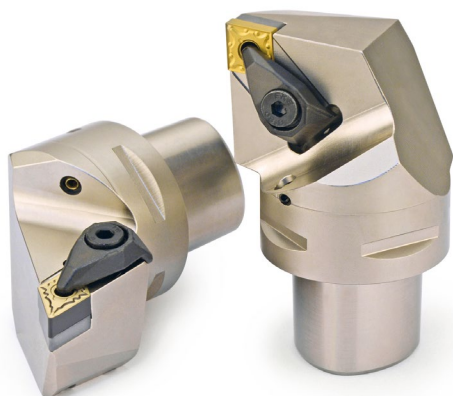




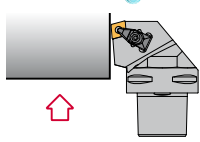
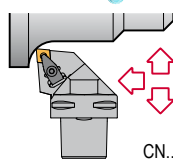
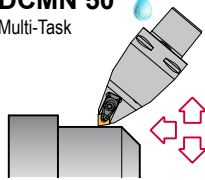
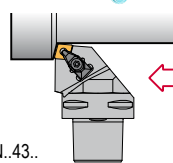
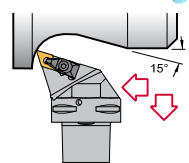
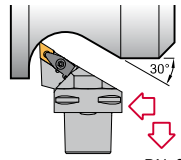
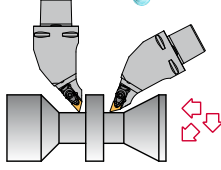
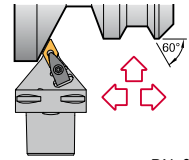
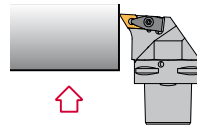
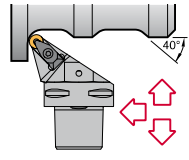
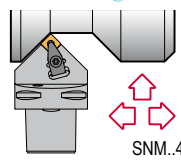
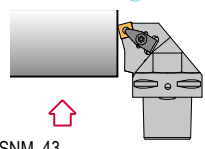
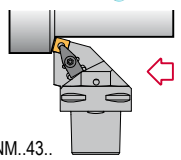
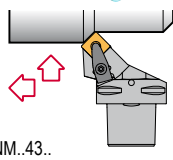
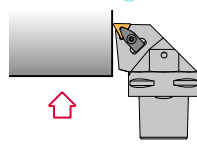
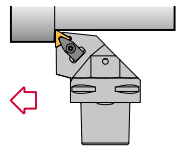
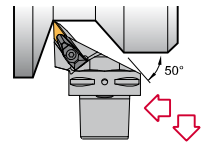
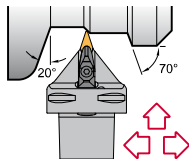
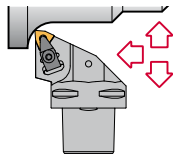
# PSC

|                                 |                |
|---------------------------------|----------------|
| Applications index              | <b>E02-06</b>  |
| Dimple lock toolholders         | <b>E07-25</b>  |
| Lever lock toolholders          | <b>E26-35</b>  |
| Center screw toolholders        | <b>E36-50</b>  |
| Antivibratory adaptor           | <b>E51</b>     |
| Dimple lock boring bars         | <b>E52-54</b>  |
| Wedge clamp boring bars         | <b>E55,57</b>  |
| Double lock boring bars         | <b>E56</b>     |
| Lever lock boring bars          | <b>E58-60</b>  |
| Center screw boring bars        | <b>E61-67</b>  |
| External and internal threading | <b>E68-69</b>  |
| Parting and grooving            | <b>E70-76</b>  |
| Drills                          | <b>E77-79</b>  |
| Arbors and adaptors             | <b>E80-117</b> |



## NEGATIVE TOOLHOLDERS

### ■ Dimple lock toolholders

|                                                                                                                                                                 |                                                                                                                                                                 |                                                                                                                                                                           |                                                                                                                                                                  |                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DCKN 75°</b><br><br>CN..43..<br>CN..54..<br>CN..64..<br><i>Page E07</i>     | <b>DCLN 95°</b><br><br>CN..32..<br>CN..64..<br><i>Page E08</i>                 | <b>DCMN 50°</b><br>Multi-Task<br><br>CN..43..<br>CN..54..<br>CN..64..<br><i>Page E09</i> | <b>DCRN 75°</b><br><br>CN..43..<br>CN..54..<br>CN..64..<br><i>Page E10</i>     | <b>DDHN 107°30'</b><br><br>DN..44..<br><i>Page E11</i>            |
| <b>DDJN 93°</b><br><br>DN..33..<br>DN..44..<br><i>Page E12</i>                 | <b>DDMN 48°</b><br>Multi-Task<br><br>DN..44..<br><i>Page E13</i>               | <b>DDNN 63°</b><br><br>DN..33..<br>DN..44..<br><i>Page E14</i>                           | <b>DDUN 93°</b><br><br>DN..44..<br><i>Page E15</i>                             | <b>DRSN</b><br><br>RNMG43..<br><i>Page E16</i>                    |
| <b>DSDN 45°</b><br><br>SNM..43..<br>SNM..54..<br>SNM..64..<br><i>Page E17</i> | <b>DSKN 75°</b><br><br>SNM..43..<br>SNM..54..<br>SNM..64..<br><i>Page E18</i> | <b>DSRN 75°</b><br><br>SNM..43..<br>SNM..54..<br>SNM..64..<br><i>Page E19</i>           | <b>DSSN 45°</b><br><br>SNM..43..<br>SNM..54..<br>SNM..64..<br><i>Page E20</i> | <b>DTFN 90°</b><br><br>TNM..33..<br>TNM..43..<br><i>Page E21</i> |
| <b>DTGN 90°</b><br><br>TNM..33..<br>TNM..43..<br><i>Page E22</i>             | <b>DVJN 93°</b><br><br>VN..33..<br><i>Page E23</i>                           | <b>DVVN 72°30'</b><br><br>VN..33..<br><i>Page E24</i>                                  | <b>DWLN 95°</b><br><br>WNMG33..<br>WNMG43..<br><i>Page E25</i>               |                                                                                                                                                      |

## NEGATIVE TOOLHOLDERS

### Lever lock toolholders

|                                                                          |                                                                        |                                                                        |                                                             |                                                             |
|--------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| <b>PCLN 95°</b><br><br>CN.. 43..<br>Page E26    CN.. 2509..              | <b>PCRN 75°</b><br><br>CN.. 43..<br>CN.. 54..<br>CN.. 64..<br>Page E27 | <b>PDJN 93°</b><br><br>DN.. 33..<br>DN.. 43..<br>DN.. 44..<br>Page E28 | <b>PDUN 93°</b><br><br>DN.. 43..<br>DN.. 44..<br>Page E29   | <b>PRDC</b><br><br>RC.. 2507M0<br>RC.. 3209M0<br>Page E30   |
| <b>PRSC</b><br><br>RC.. 2006M0<br>RC.. 2507M0<br>RC.. 3209M0<br>Page E31 | <b>PSDN 45°</b><br><br>SNM.. 43..<br>SNM.. 85..<br>Page E32            | <b>PSKN 75°</b><br><br>SNM.. 43..<br>SNM.. 85..<br>Page E33            | <b>PSRN 75°</b><br><br>SNM.. 43..<br>SNM.. 85..<br>Page E34 | <b>PSSN 45°</b><br><br>SNM.. 43..<br>SNM.. 85..<br>Page E35 |

## POSITIVE TOOLHOLDERS

### Center screw toolholders

|                                                           |                                                             |                                                             |                                                         |                                                             |
|-----------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|
| <b>SCLC 95°</b><br><br>CC..32.5..<br>CC..43..<br>Page E36 | <b>SDJC 93°</b><br><br>DC..21.5..<br>DC..32.5..<br>Page E37 | <b>SDNC 62°30'</b><br><br>DC..32.5..<br>Page E38            | <b>SRDC</b><br><br>RC..0602M0<br>RC..2006M0<br>Page E39 | <b>SRSC 45°</b><br><br>RC..0602M0<br>RC..2006M0<br>Page E40 |
| <b>SSRC 75°</b><br><br>SC..43..<br>Page E41               | <b>STGC 90°</b><br><br>TC..21.5..<br>TC..32.5..<br>Page E42 | <b>STJC 93°</b><br><br>TC..21.5..<br>TC..32.5..<br>Page E43 | <b>SVHB 107°30'</b><br><br>VBMT33..<br>Page E44         | <b>SVHC 107°30'</b><br><br>VC..22..<br>VC..33..<br>Page E45 |
| <b>SVJB 93°</b><br><br>VBMT33..<br>Page E46               | <b>SVJC 93°</b><br><br>VC..22..<br>VC..33..<br>Page E47     | <b>SVMB 50° Multi-Task</b><br><br>VBMT33..<br>Page E48      | <b>SVVB 72°30'</b><br><br>VBMT33..<br>Page E49          | <b>SVVC 72°30'</b><br><br>VC..22..<br>VC..33..<br>Page E50  |

## NEGATIVE BORING BARS

### Adaptor

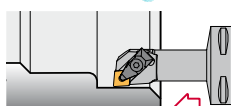
J.. 



Page E51

### Dimple lock boring bars

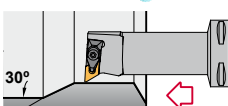
**DCLN 95°** 



CN..32..  
CN..43..  
CN..54..

Page E52

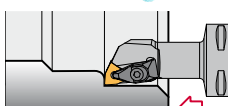
**DDUN 93°** 



Page E53

DN..33..  
DN..44..

**DWLN 95°** 

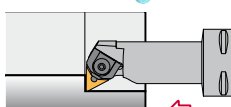


Page E54

WNMG33..  
WNMG43..

### Wedge clamp / Double lock boring bars

**MTFN 90°** 



Page E55

TNM..33..

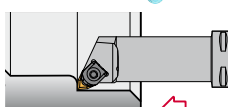
**MVUN 93°** 



Page E56

VN..33..

**MWLN 95°** 

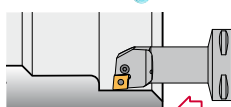


Page E57

WNMG33..  
WNMG43..

### Lever lock boring bars

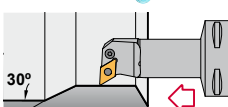
**PCLN 95°** 



CN..32..  
CN..43..  
CN..54..

Page E58

**PDUN 93°** 



DN..33..  
DN..43..  
DN..44..

Page E59

**PSKN 75°** 



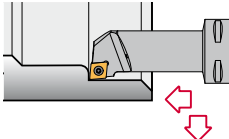
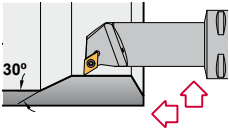
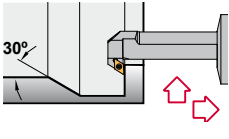
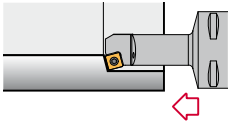
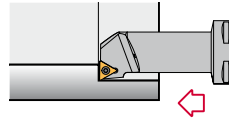
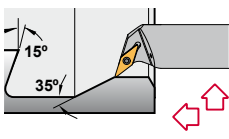
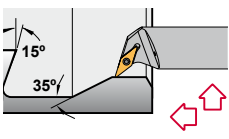
Page E60

SNM..43..



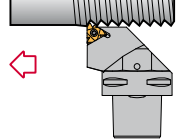
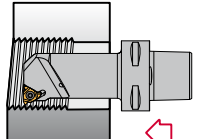
## POSITIVE BORING BARS

### Center screw boring bars

|                                                                                                                                                                                                                                |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                      |                                                                                                                                                                                                                       |                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SCLC 95°</b> <br><br>Page E61      CC..32.5..<br>CC..43.. | <b>SDUC 93°</b> <br><br>Page E62      DC..21.5..<br>DC..32.5.. | <b>SDUC-X 93°</b> <br><br>Page E63      DC..21.5.. | <b>SSKC 75°</b> <br><br>Page E64      SC..32.5.. | <b>STFC 90°</b> <br><br>Page E65      TC..21.5..<br>TC..32.5.. |
| <b>SVQB 107°30'</b> <br><br>Page E66      VBMT33..           | <b>SVQC 107°30'</b> <br><br>Page E67      VC..22..<br>VC..33.. |                                                                                                                                                                                                                      |                                                                                                                                                                                                                       |                                                                                                                                                                                                                                      |

## THREADING

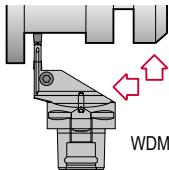
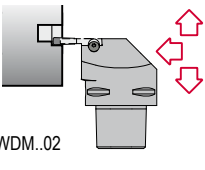
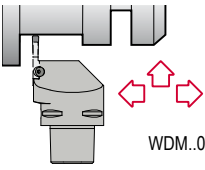
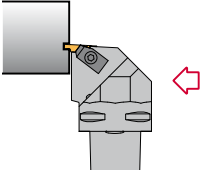
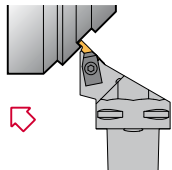
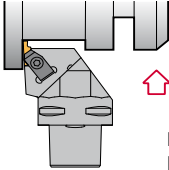
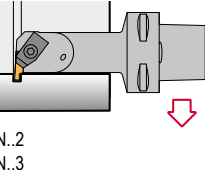
### External and internal threading

|                                                                                                                                                                                                                                |                                                                                                                                                                                                                                |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| <b>SE 90°</b> <br><br>Page E68      16ER/L..<br>22ER/L.. | <b>SI 90°</b> <br><br>Page E69      16NR/L..<br>22NR/L.. |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|

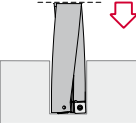


## PARTING AND GROOVING

### Toolholders and boring bars

|                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                 |                                                                                                                              |                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>CZCD</b>  <p>WDM..02<br/>..<br/>WDM..06</p> <p>Page E70</p> | <b>CZFD</b>  <p>WDM..02<br/>..<br/>WDM..06</p> <p>Page E71</p> | <b>CZGD</b>  <p>WDM..02<br/>..<br/>WDM..06</p> <p>Page E72</p> | <b>NE 93°</b>  <p>Page E73</p> <p>N..3</p> | <b>NR 45°</b>  <p>Page E74</p> <p>N..3</p> |
| <b>NS 93°</b>  <p>N..2<br/>N..3<br/>N..4</p> <p>Page E75</p>   | <b>NNTO 93°</b>  <p>N..2<br/>N..3<br/>N..4</p> <p>Page E76</p> |                                                                                                                                                 |                                                                                                                              |                                                                                                                               |

## DRILLS

|                                                                                                                                                            |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| <b>45..</b>  <p>SPMT0603..<br/>..<br/>SPMT1204..</p> <p>Page E77-79</p> |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

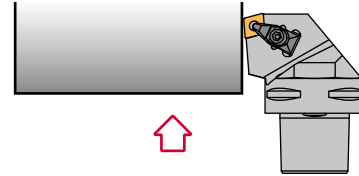
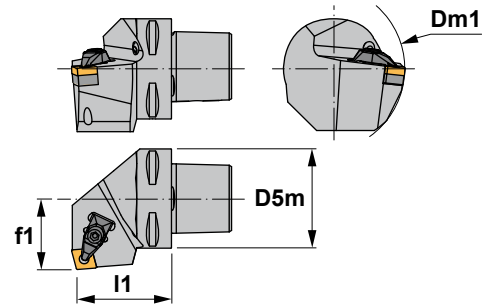
**Characteristics:**

Multipurpose toolholder equipped with rhombic negative double-sided insert (angle 80°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## DCKN 75°

| Reference             | D5m   | Dm1 min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|-----------------------|-------|----------|-------|-------|------------|---------------|-------------|-------|
| PSC40-DCKNR/L27050-12 | 1.575 | 4.331    | 1.063 | 1.969 | -6°        | -6°           | CN..43..    | 0.930 |
| PSC50-DCKNR/L35060-12 | 1.969 | 4.331    | 1.378 | 2.362 | -6°        | -6°           | CN..43..    | 1.765 |
| PSC63-DCKNR/L45065-12 | 2.480 | 4.331    | 1.772 | 2.559 | -6°        | -6°           | CN..43..    | 2.425 |
| PSC40-DCKNR/L27050-16 | 1.575 | 4.921    | 1.063 | 1.969 | -6°        | -6°           | CN..54..    | 0.930 |
| PSC50-DCKNR/L35060-16 | 1.969 | 4.921    | 1.378 | 2.362 | -6°        | -6°           | CN..54..    | 1.765 |
| PSC63-DCKNR/L45065-16 | 2.480 | 4.921    | 1.772 | 2.559 | -6°        | -6°           | CN..54..    | 2.425 |
| PSC63-DCKNR/L45065-19 | 2.480 | 4.921    | 1.772 | 2.559 | -6°        | -6°           | CN..64..    | 2.425 |
| PSC80-DCKNR/L55080-19 | 3.150 | 4.921    | 2.165 | 3.150 | -6°        | -6°           | CN..64..    | 6.040 |

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 1766                                                                                | ICSN-442                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-16 | 1768                                                                                | ICSN-533                                                                            | 2716                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-19 | 1770                                                                                | ICSN-633                                                                            | 2719                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 2613                                                                                | 1086                                                                                | 5003                                                                                | ICSN-442                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |
| PSC...-16 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ICSN-533                                                                             | 1673                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-19 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ICSN-633                                                                             | 1674                                                                                  | 5004                                                                                  | 3.0 |

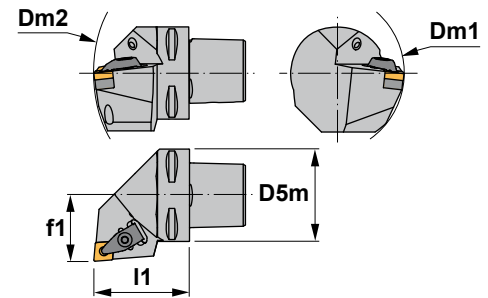
**C CLAMPING**

| Reference   |  |  |  |  |  |  | Nm  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12-4 | 1766                                                                                | ICSN-442                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-12-7 | 1766                                                                                | ICSN-422                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-16   | 1768                                                                                | ICSN-523                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-19   | 1770                                                                                | ICSN-623                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |

**Characteristics:**

Multipurpose toolholder equipped with rhombic negative double-sided insert (angle 80°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## DCLN 95°

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-DCLNR/L22040-09 | 1.260 | 2.362       | 4.567       | 0.866 | 1.575 | -6°        | -6°           | CN..32..    | 0.465                                                                               |
| PSC40-DCLNR/L27050-09 | 1.575 | 2.362       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | CN..32..    | 0.930                                                                               |
| PSC32-DCLNR/L22045-12 | 1.260 | 2.362       | 4.764       | 0.866 | 1.772 | -6°        | -6°           | CN..43..    | 0.530                                                                               |
| PSC40-DCLNR/L27050-12 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | CN..43..    | 0.930                                                                               |
| PSC50-DCLNR/L35060-12 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | CN..43..    | 1.765                                                                               |
| PSC63-DCLNR/L45065-12 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | CN..43..    | 2.425                                                                               |
| PSC80-DCLNR/L55080-12 | 3.150 | 4.331       | 9.843       | 2.165 | 3.150 | -6°        | -6°           | CN..43..    | 6.040                                                                               |
| PSC40-DCLNR/L27055-16 | 1.575 | 4.921       | 5.709       | 1.063 | 2.165 | -6°        | -6°           | CN..54..    | 0.950                                                                               |
| PSC50-DCLNR/L35060-16 | 1.969 | 4.921       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | CN..54..    | 1.765                                                                               |
| PSC63-DCLNR/L45065-16 | 2.480 | 4.921       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | CN..54..    | 2.425                                                                               |
| PSC80-DCLNR/L55080-16 | 3.150 | 4.921       | 9.843       | 2.165 | 3.150 | -6°        | -6°           | CN..54..    | 6.040                                                                               |
| PSC50-DCLNR/L35060-19 | 1.969 | 4.921       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | CN..64..    | 1.765                                                                               |
| PSC63-DCLNR/L45065-19 | 2.480 | 4.921       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | CN..64..    | 2.425                                                                               |
| PSC80-DCLNR/L55080-19 | 3.150 | 4.921       | 9.843       | 2.165 | 3.150 | -6°        | -6°           | CN..64..    | 6.040                                                                               |

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-09 | 1764                                                                                | ICSN-332                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-12 | 1766                                                                                | ICSN-442                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-16 | 1768                                                                                | ICSN-533                                                                            | 2716                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-19 | 1770                                                                                | ICSN-633                                                                            | 2719                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-09 | 2604                                                                                | 1085                                                                                | 5025                                                                                | ICSN-332                                                                             | 1665                                                                                  | 5002                                                                                  | 2.0 |
| PSC...-12 | 2613                                                                                | 1086                                                                                | 5003                                                                                | ICSN-442                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |
| PSC...-16 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ICSN-533                                                                             | 1673                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-19 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ICSN-633                                                                             | 1674                                                                                  | 5004                                                                                  | 3.0 |

**C CLAMPING**

| Reference   |  |  |  |  |  |  | Nm  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12-4 | 1766                                                                                | ICSN-442                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-12-7 | 1766                                                                                | ICSN-422                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-16   | 1768                                                                                | ICSN-523                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |

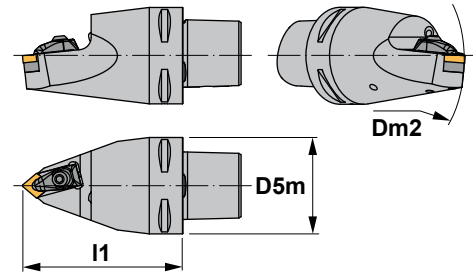
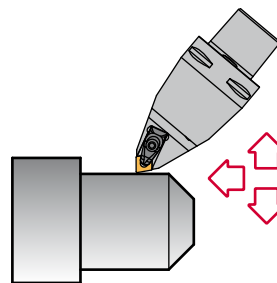
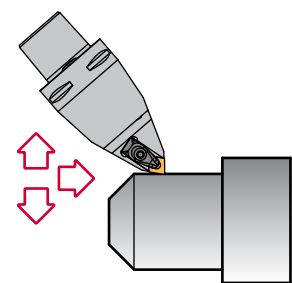
**Characteristics:**

Toolholder for multi-task machining equipped with rhombic negative inserts (angle 80°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.

**Main application****Alternative use**

## DCMN 50°

| Reference           | D5m   | Dm2 min. | I1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|---------------------|-------|----------|-------|------------|---------------|-------------|---------------------------------------------------------------------------------------|
| PSC63-DCMNN00115-12 | 2.480 | 4.331    | 4.528 | -6°        | -6°           | CN..43..    | 3.750                                                                                 |
| PSC80-DCMNN00150-16 | 3.150 | 4.528    | 5.906 | -6°        | -6°           | CN..54..    | 7.275                                                                                 |

| Reference           |  |  |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC63-DCMNN00115-12 | 1766                                                                                | ICSN-442                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC80-DCMNN00150-16 | 1768                                                                                | ICSN-533                                                                            | 2716                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

**CN..**

80° rhombic negative inserts.  A24-26

**Reference****I****T****d**

CN..43..

0.508

0.187

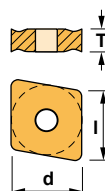
0.500

CN..54..

0.633

0.250

0.625


**CNMG-CC** **CNMG-FC** **CNMG-FMC** **CNMG-KC** **CNMG-MC**

**CNMG-MFC** **CNMG-MHC** **CNMG-RC** **CNMG-TC** **CNMM**



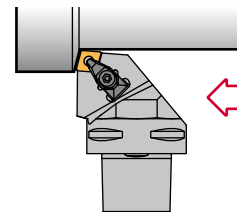
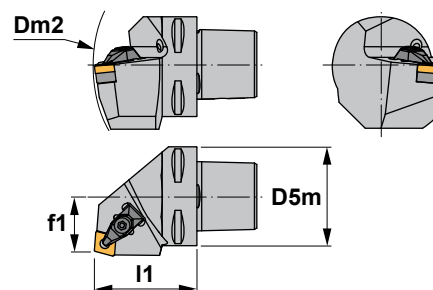

#### Characteristics:

Multipurpose toolholder equipped with rhombic negative double-sided insert (angle 80°).

PSC with internal coolant.

1)  $\gamma$ = Rake angle (valid with a flat insert).

2)  $\lambda s$ = Angle of inclination.



## DCRN 75°

| Reference             | D5m   | Dm2 min. | f1    | l1    | $\gamma$ 1) | $\lambda s$ 2) | Insert size | lbs   |
|-----------------------|-------|----------|-------|-------|-------------|----------------|-------------|-------|
| PSC40-DCRNR/L22050-12 | 1.575 | 5.512    | 0.866 | 1.969 | -6°         | -6°            | CN..43..    | 0.930 |
| PSC50-DCRNR/L27060-12 | 1.969 | 6.496    | 1.063 | 2.362 | -6°         | -6°            | CN..43..    | 1.765 |
| PSC63-DCRNR/L35065-12 | 2.480 | 7.480    | 1.378 | 2.559 | -6°         | -6°            | CN..43..    | 3.085 |
| PSC50-DCRNR/L27060-16 | 1.969 | 6.496    | 1.063 | 2.362 | -6°         | -6°            | CN..54..    | 1.765 |
| PSC63-DCRNR/L35065-16 | 2.480 | 7.480    | 1.378 | 2.559 | -6°         | -6°            | CN..54..    | 3.085 |
| PSC80-DCRNR/L55080-16 | 3.150 | 9.843    | 2.165 | 3.150 | -6°         | -6°            | CN..54..    | 6.040 |
| PSC50-DCRNR/L27060-19 | 1.969 | 6.496    | 1.063 | 2.362 | -6°         | -6°            | CN..64..    | 1.765 |
| PSC63-DCRNR/L35065-19 | 2.480 | 7.480    | 1.378 | 2.559 | -6°         | -6°            | CN..64..    | 3.085 |
| PSC80-DCRNR/L55080-19 | 3.150 | 9.843    | 2.165 | 3.150 | -6°         | -6°            | CN..64..    | 6.040 |

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 1766                                                                                | ICSN-442                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-16 | 1768                                                                                | ICSN-533                                                                            | 2716                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-19 | 1770                                                                                | ICSN-633                                                                            | 2719                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems



#### M CLAMPING

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 2613                                                                                | 1086                                                                                | 5003                                                                                | ICSN-442                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |
| PSC...-16 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ICSN-533                                                                             | 1673                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-19 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ICSN-633                                                                             | 1674                                                                                  | 5004                                                                                  | 3.0 |



#### C CLAMPING

| Reference   |  |  |  |  |  |  | Nm  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12-4 | 1766                                                                                | ICSN-442                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-12-7 | 1766                                                                                | ICSN-422                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-16   | 1768                                                                                | ICSN-523                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-19   | 1770                                                                                | ICSN-623                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |

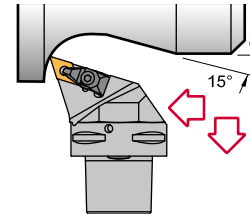
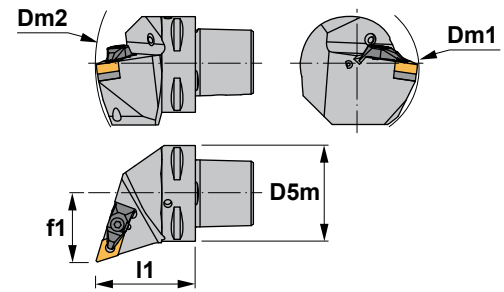
**Characteristics:**

Turning and profiling toolholder equipped with rhombic negative double-sided insert (angle 55°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## DDHN 107° 30'

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  lbs |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-----------------------------------------------------------------------------------------|
| PSC40-DDHNR/L27055-15 | 1.575 | 4.331       | 5.709       | 1.063 | 2.165 | -6°        | -7°           | DN..44..    | 0.950                                                                                   |
| PSC50-DDHNR/L35060-15 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -7°           | DN..44..    | 1.765                                                                                   |
| PSC63-DDHNR/L45065-15 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -7°           | DN..44..    | 2.425                                                                                   |
| PSC80-DDHNR/L55080-15 | 3.150 | 4.331       | 9.843       | 2.165 | 3.150 | -6°        | -7°           | DN..44..    | 6.040                                                                                   |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-DDHNR/L27055-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DDHNR/L35060-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DDHNR/L45065-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC80-DDHNR/L55080-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-15 | 2613                                                                                | 1086                                                                                | 5003                                                                                | IDSN-432                                                                             | 1657                                                                                  | 5025                                                                                  | 3.5 |

**C CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-15 | 1766                                                                                | IDSN-422                                                                            | 9416                                                                                | 2717                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |



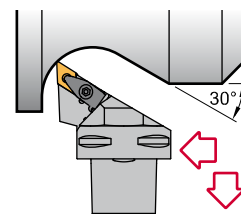
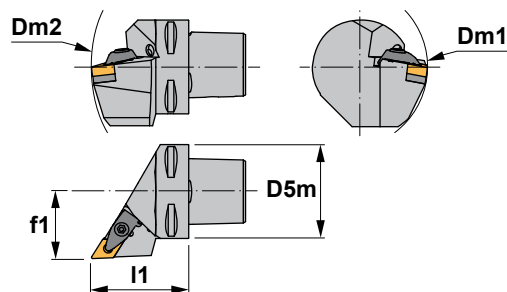
**Characteristics:**

Turning and profiling toolholder equipped with rhombic negative double-sided insert (angle 55°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda s$  = Angle of inclination.



## DDJN 93°

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size |  lbs |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-----------------------------------------------------------------------------------------|
| PSC32-DDJNR/L22045-11 | 1.260 | 2.362       | 4.764       | 0.866 | 1.772 | -6°        | -7°           | DN..33..    | 0.530                                                                                   |
| PSC40-DDJNR/L27050-11 | 1.575 | 2.362       | 5.512       | 1.063 | 1.969 | -6°        | -7°           | DN..33..    | 0.930                                                                                   |
| PSC50-DDJNR/L35060-11 | 1.969 | 2.559       | 6.496       | 1.378 | 2.362 | -6°        | -7°           | DN..33..    | 1.765                                                                                   |
| PSC63-DDJNR/L45065-11 | 2.480 | 3.189       | 7.480       | 1.772 | 2.559 | -6°        | -7°           | DN..33..    | 2.425                                                                                   |
| PSC40-DDJNR/L27055-15 | 1.575 | 4.331       | 5.709       | 1.063 | 2.165 | -6°        | -7°           | DN..44..    | 0.930                                                                                   |
| PSC50-DDJNR/L35060-15 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -7°           | DN..44..    | 1.765                                                                                   |
| PSC63-DDJNR/L45065-15 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -7°           | DN..44..    | 2.425                                                                                   |
| PSC80-DDJNR/L55080-15 | 3.150 | 4.331       | 9.843       | 2.165 | 3.150 | -6°        | -7°           | DN..44..    | 6.040                                                                                   |

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-11 | 1764                                                                                | IDSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-11 | 2604                                                                                | 1085                                                                                | 5025                                                                                | IDSN-322                                                                             | 1665                                                                                  | 5002                                                                                  | 2.0 |
| PSC...-15 | 2613                                                                                | 1086                                                                                | 5003                                                                                | IDSN-432                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |

**C CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-15 | 1766                                                                                | IDSN-422                                                                            | 9416                                                                                | 2717                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |



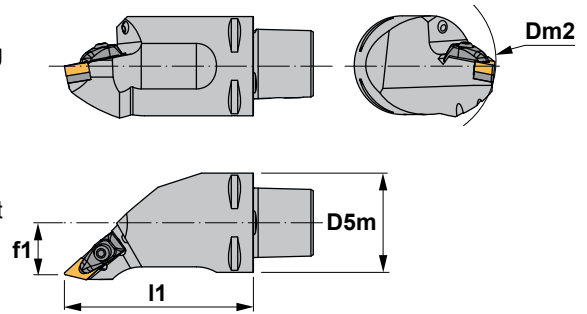
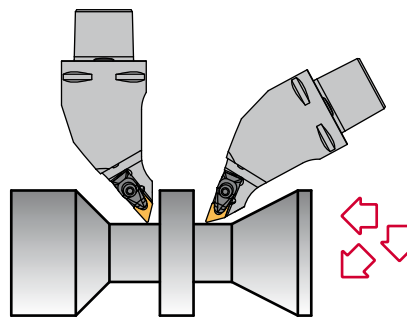
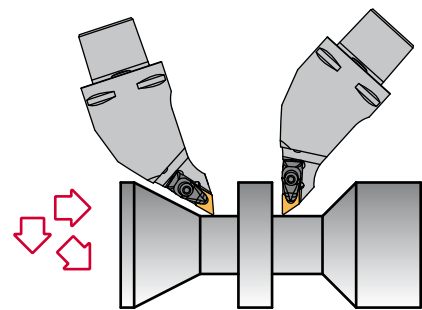
**Characteristics:**

Toolholder for multi-task machining equipped with rhombic negative inserts (angle 55°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.

**Main application****Alternative use**

## DDMN 48°

| Reference             | D5m   | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------|-------|------------|---------------|-------------|---------------------------------------------------------------------------------------|
| PSC63-DDMNR/L33120-15 | 2.480 | 5.118       | 1.299 | 4.724 | -5°        | -9°           | DN..44..    | 5.070                                                                                 |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC63-DDMNR/L33120-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

**DN..**

55° rhombic negative inserts.  A28-30

| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| DN..44..  | 0.610 | 0.250 | 0.500 |



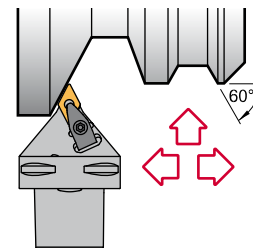
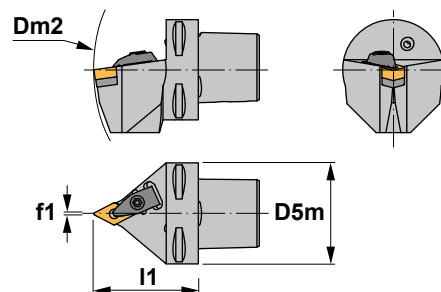
| DNMA                                                                                 | DNMG-FC                                                                               | DNMG-FMC                                                                              | DNMG-KC                                                                               |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |
| DNMG-MC                                                                              | DNMG-MHC                                                                              | DNMG-TC                                                                               | DNMX                                                                                  |
|  |  |  |  |

**Characteristics:**

Profiling toolholder equipped with rhombic negative double-sided insert (angle 55°).  
PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda s$  = Angle of inclination.



## DDNN 63°

| Reference           | D5m   | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size |  |
|---------------------|-------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-DDNNN00050-11 | 1.575 | 5.512       | 0.020 | 1.969 | -5°        | -9°           | DN..33..    | 0.770                                                                               |
| PSC50-DDNNN00060-11 | 1.969 | 6.496       | 0.020 | 2.362 | -5°        | -9°           | DN..33..    | 1.655                                                                               |
| PSC40-DDNNN00055-15 | 1.575 | 5.709       | 0.020 | 2.165 | -5°        | -9°           | DN..44..    | 0.770                                                                               |
| PSC50-DDNNN00060-15 | 1.969 | 6.496       | 0.020 | 2.362 | -5°        | -9°           | DN..44..    | 1.655                                                                               |
| PSC63-DDNNN00065-15 | 2.480 | 7.480       | 0.020 | 2.559 | -5°        | -9°           | DN..44..    | 2.360                                                                               |
| PSC80-DDNNN00080-15 | 3.150 | 9.843       | 0.020 | 3.150 | -5°        | -9°           | DN..44..    | 5.115                                                                               |

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-11 | 1764                                                                                | IDSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-11 | 2604                                                                                | 1085                                                                                | 5025                                                                                | IDSN-322                                                                             | 1665                                                                                  | 5002                                                                                  | 2.0 |
| PSC...-15 | 2613                                                                                | 1086                                                                                | 5003                                                                                | IDSN-432                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |

**C CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-15 | 1766                                                                                | IDSN-422                                                                            | 9416                                                                                | 2717                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |

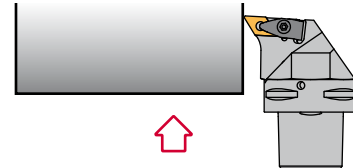
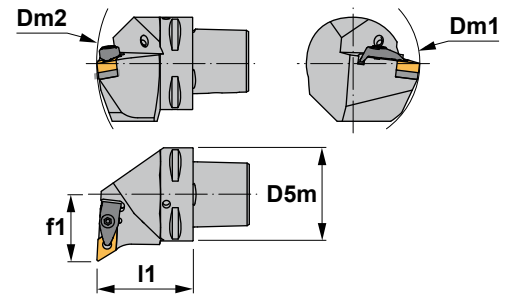
**Characteristics:**

Turning and profiling toolholder equipped with rhombic negative double-sided insert (angle 55°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## DDUN 93°

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma$ (1) | $\lambda_s$ (2) | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|--------------|-----------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-DDUNR/L27050-15 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°          | -7°             | DN..44..    | 0.930                                                                               |
| PSC50-DDUNR/L35060-15 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°          | -7°             | DN..44..    | 1.765                                                                               |
| PSC63-DDUNR/L45065-15 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°          | -7°             | DN..44..    | 2.425                                                                               |
| PSC80-DDUNR/L55080-15 | 3.150 | 4.331       | 9.843       | 2.165 | 3.150 | -6°          | -7°             | DN..44..    | 6.040                                                                               |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-DDUNR/L27050-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DDUNR/L35060-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DDUNR/L45065-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC80-DDUNR/L55080-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-15 | 2613                                                                                | 1086                                                                                | 5003                                                                                | IDSN-432                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |

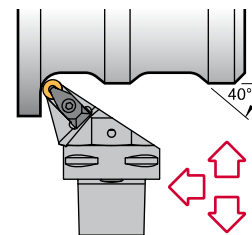
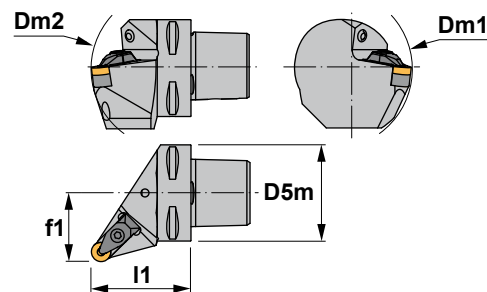
**C CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-15 | 1766                                                                                | IDSN-422                                                                            | 9416                                                                                | 2717                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |

**Characteristics:**

Profiling multipurpose turning toolholder equipped with round negative insert. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## DRSN

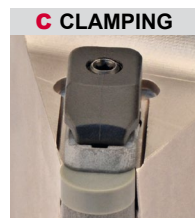
| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-DRSNR/L27050-12 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | RNMG43..    | 0.930                                                                               |
| PSC50-DRSNR/L35060-12 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | RNMG43..    | 1.765                                                                               |
| PSC63-DRSNR/L45065-12 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | RNMG43..    | 2.425                                                                               |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-DRSNR/L27050-12 | 1766                                                                                | IRSN-44                                                                             | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DRSNR/L35060-12 | 1766                                                                                | IRSN-44                                                                             | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DRSNR/L45065-12 | 1766                                                                                | IRSN-44                                                                             | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

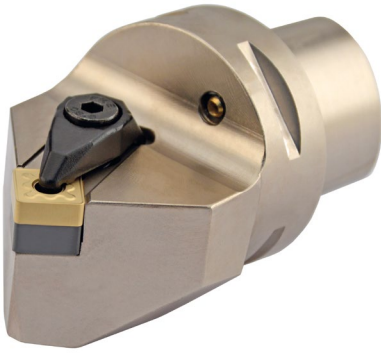
## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 2613                                                                                | 1086                                                                                | 5003                                                                                | IRSN-44                                                                              | 1657                                                                                  | 5025                                                                                  | 3.5 |

**C CLAMPING**

| Reference   |  |  |  |  |  |  | Nm  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12-4 | 1766                                                                                | IRSN-44                                                                             | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-12-7 | 1766                                                                                | IRSN-42                                                                             | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |

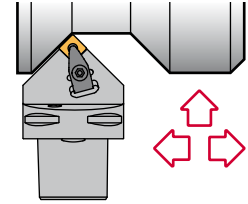
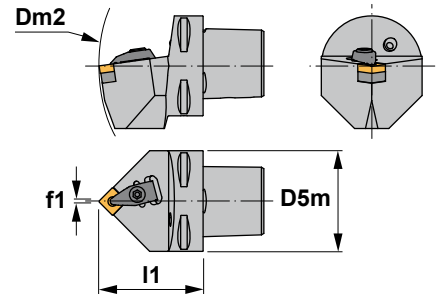
**Characteristics:**

Toolholder for external turning and chamfering applications equipped with square negative inserts.

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda s$  = Angle of inclination.



## DSDN 45°

| Reference           | D5m   | Dm2 min. | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size |  lbs |
|---------------------|-------|----------|-------|-------|------------|---------------|-------------|-----------------------------------------------------------------------------------------|
| PSC32-DSDNN00048-12 | 1.260 | 4.882    | 0.012 | 1.890 | -6°        | -6°           | SNM..43..   | 0.530                                                                                   |
| PSC40-DSDNN00050-12 | 1.575 | 5.512    | 0.012 | 1.969 | -6°        | -6°           | SNM..43..   | 0.770                                                                                   |
| PSC50-DSDNN00060-12 | 1.969 | 6.496    | 0.012 | 2.362 | -6°        | -6°           | SNM..43..   | 1.655                                                                                   |
| PSC63-DSDNN00065-12 | 2.480 | 7.480    | 0.012 | 2.559 | -6°        | -6°           | SNM..43..   | 2.360                                                                                   |
| PSC50-DSDNN00060-15 | 1.969 | 6.496    | 0.020 | 2.362 | -6°        | -6°           | SNM..54..   | 1.655                                                                                   |
| PSC63-DSDNN00065-15 | 2.480 | 7.480    | 0.020 | 2.559 | -6°        | -6°           | SNM..54..   | 2.360                                                                                   |
| PSC50-DSDNN00065-19 | 1.969 | 6.693    | 0.020 | 2.559 | -6°        | -6°           | SNM..64..   | 1.765                                                                                   |
| PSC63-DSDNN00070-19 | 2.480 | 7.677    | 0.020 | 2.756 | -6°        | -6°           | SNM..64..   | 2.780                                                                                   |

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 1766                                                                                | ISSN-442                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-15 | 1768                                                                                | ISSN-533                                                                            | 2716                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-19 | 1770                                                                                | ISSN-633                                                                            | 2719                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 2613                                                                                | 1086                                                                                | 5003                                                                                | ISSN-442                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |
| PSC...-15 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ISSN-533                                                                             | 1673                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-19 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ISSN-633                                                                             | 1674                                                                                  | 5004                                                                                  | 3.0 |

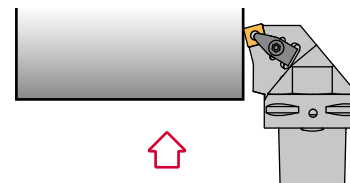
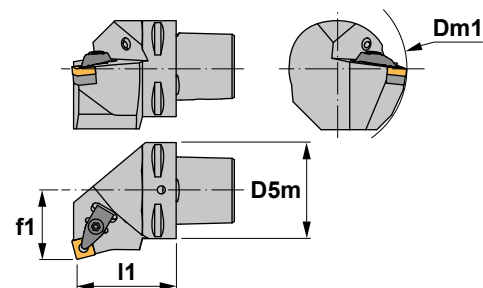
**C CLAMPING**

| Reference   |  |  |  |  |  |  | Nm  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12-4 | 1766                                                                                | ISSN-442                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-12-7 | 1766                                                                                | ISSN-422                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |

**Characteristics:**

Toolholder for face turning applications equipped with square negative inserts. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## DSKN 75°

| Reference             | D5m   | Dm1 min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|-----------------------|-------|----------|-------|-------|------------|---------------|-------------|-------|
| PSC32-DSKNR/L22040-12 | 1.260 | 2.362    | 0.866 | 1.575 | -6°        | -6°           | SNM..43..   | 0.465 |
| PSC40-DSKNR/L27050-12 | 1.575 | 4.331    | 1.063 | 1.969 | -6°        | -6°           | SNM..43..   | 0.930 |
| PSC50-DSKNR/L35060-12 | 1.969 | 4.331    | 1.378 | 2.362 | -6°        | -6°           | SNM..43..   | 1.765 |
| PSC63-DSKNR/L45065-12 | 2.480 | 4.331    | 1.772 | 2.559 | -6°        | -6°           | SNM..43..   | 2.425 |
| PSC50-DSKNR/L35060-15 | 1.969 | 4.921    | 1.378 | 2.362 | -6°        | -6°           | SNM..54..   | 1.765 |
| PSC63-DSKNR/L45065-15 | 2.480 | 4.921    | 1.772 | 2.559 | -6°        | -6°           | SNM..54..   | 2.425 |
| PSC50-DSKNR/L35060-19 | 1.969 | 4.921    | 1.378 | 2.362 | -6°        | -6°           | SNM..64..   | 1.765 |
| PSC63-DSKNR/L45065-19 | 2.480 | 4.921    | 1.772 | 2.559 | -6°        | -6°           | SNM..64..   | 2.425 |
| PSC80-DSKNR/L55080-19 | 3.150 | 4.921    | 2.165 | 3.150 | -6°        | -6°           | SNM..64..   | 6.040 |

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 1766                                                                                | ISSN-442                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-15 | 1768                                                                                | ISSN-533                                                                            | 2716                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-19 | 1770                                                                                | ISSN-633                                                                            | 2719                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 2613                                                                                | 1086                                                                                | 5003                                                                                | ISSN-442                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |
| PSC...-15 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ISSN-533                                                                             | 1673                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-19 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ISSN-633                                                                             | 1674                                                                                  | 5004                                                                                  | 3.0 |

**C CLAMPING**

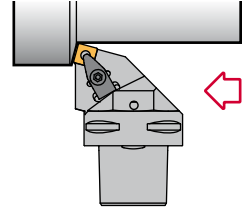
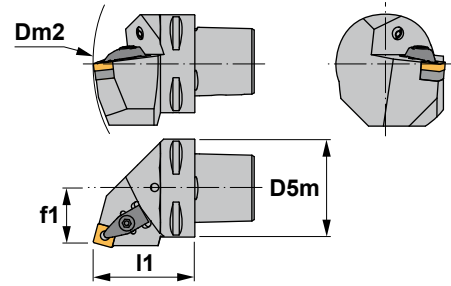
| Reference   |  |  |  |  |  |  | Nm  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12-4 | 1766                                                                                | ISSN-442                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-12-7 | 1766                                                                                | ISSN-422                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |



**Characteristics:**

Toolholder for face turning applications equipped with square negative inserts. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



## DSRN 75°

| Reference             | D5m   | Dm2 min. | f1    | I1    | $\gamma^1$ | $\lambda s^2$ | Insert size | lbs   |
|-----------------------|-------|----------|-------|-------|------------|---------------|-------------|-------|
| PSC32-DSRNR/L19048-12 | 1.260 | 4.882    | 0.748 | 1.890 | -6°        | -6°           | SNM..43..   | 0.575 |
| PSC40-DSRNR/L22050-12 | 1.575 | 5.512    | 0.866 | 1.969 | -6°        | -6°           | SNM..43..   | 0.930 |
| PSC50-DSRNR/L27060-12 | 1.969 | 6.496    | 1.063 | 2.362 | -6°        | -6°           | SNM..43..   | 1.765 |
| PSC63-DSRNR/L35065-12 | 2.480 | 7.480    | 1.378 | 2.559 | -6°        | -6°           | SNM..43..   | 3.085 |
| PSC50-DSRNR/L27060-15 | 1.969 | 6.496    | 1.063 | 2.362 | -6°        | -6°           | SNM..54..   | 1.765 |
| PSC63-DSRNR/L35065-15 | 2.480 | 7.480    | 1.378 | 2.559 | -6°        | -6°           | SNM..54..   | 3.085 |
| PSC50-DSRNR/L27060-19 | 1.969 | 6.496    | 1.063 | 2.362 | -6°        | -6°           | SNM..64..   | 1.765 |
| PSC63-DSRNR/L35065-19 | 2.480 | 7.480    | 1.378 | 2.559 | -6°        | -6°           | SNM..64..   | 3.085 |
| PSC80-DSRNR/L45080-19 | 3.150 | 9.843    | 1.772 | 3.150 | -6°        | -6°           | SNM..64..   | 6.170 |

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 1766                                                                                | ISSN-442                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-15 | 1768                                                                                | ISSN-533                                                                            | 2716                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-19 | 1770                                                                                | ISSN-633                                                                            | 2719                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 2613                                                                                | 1086                                                                                | 5003                                                                                | ISSN-442                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |
| PSC...-15 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ISSN-533                                                                             | 1673                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-19 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ISSN-633                                                                             | 1674                                                                                  | 5004                                                                                  | 3.0 |

**C CLAMPING**

| Reference   |  |  |  |  |  |  | Nm  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12-4 | 1766                                                                                | ISSN-442                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-12-7 | 1766                                                                                | ISSN-422                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |

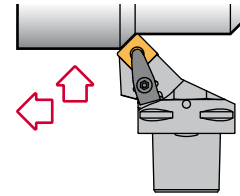
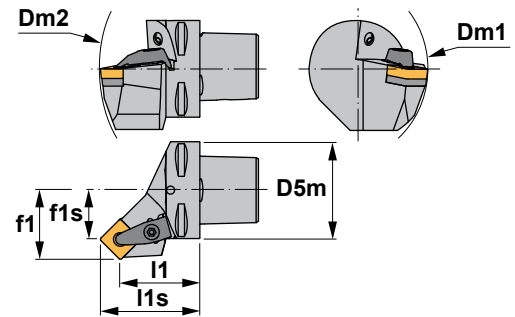


**Characteristics:**

Toolholder for external turning and chamfering applications equipped with square negative inserts.  
PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## DSSN 45°

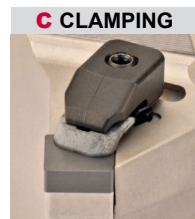
| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | f1s   | l1    | l1s   | $\gamma^1$ $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|-------|-------|--------------------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-DSSNR/L22040-12 | 1.260 | 2.362       | 4.882       | 0.866 | 0.539 | 1.575 | 1.901 | -8° 0°                   | SNM..43..   | 0.465                                                                               |
| PSC40-DSSNR/L27042-12 | 1.575 | 4.331       | 5.512       | 1.063 | 0.735 | 1.654 | 1.981 | -8° 0°                   | SNM..43..   | 0.770                                                                               |
| PSC50-DSSNR/L35052-12 | 1.969 | 4.331       | 6.496       | 1.378 | 1.050 | 2.047 | 2.375 | -8° 0°                   | SNM..43..   | 1.545                                                                               |
| PSC63-DSSNR/L45056-12 | 2.480 | 4.331       | 7.480       | 1.772 | 1.444 | 2.205 | 2.532 | -8° 0°                   | SNM..43..   | 2.470                                                                               |
| PSC40-DSSNR/L27045-15 | 1.575 | 4.921       | 5.709       | 1.063 | 0.661 | 1.772 | 2.173 | -8° 0°                   | SNM..54..   | 0.880                                                                               |
| PSC50-DSSNR/L35050-15 | 1.969 | 4.921       | 6.496       | 1.378 | 0.975 | 1.969 | 2.372 | -8° 0°                   | SNM..54..   | 1.500                                                                               |
| PSC63-DSSNR/L45054-15 | 2.480 | 4.921       | 7.480       | 1.772 | 1.369 | 2.126 | 2.529 | -8° 0°                   | SNM..54..   | 2.515                                                                               |
| PSC50-DSSNR/L35048-19 | 1.969 | 4.921       | 6.496       | 1.378 | 0.885 | 1.890 | 2.381 | -8° 0°                   | SNM..64..   | 1.545                                                                               |
| PSC63-DSSNR/L45052-19 | 2.480 | 4.921       | 7.480       | 1.772 | 1.280 | 2.047 | 2.539 | -8° 0°                   | SNM..64..   | 2.490                                                                               |

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 1766                                                                                | ISSN-442                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-15 | 1768                                                                                | ISSN-533                                                                            | 2716                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC...-19 | 1770                                                                                | ISSN-633                                                                            | 2719                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12 | 2613                                                                                | 1086                                                                                | 5003                                                                                | ISSN-442                                                                             | 1657                                                                                  | 5025                                                                                  | 3.0 |
| PSC...-15 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ISSN-533                                                                             | 1673                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-19 | 2614                                                                                | 1086                                                                                | 5003                                                                                | ISSN-633                                                                             | 1674                                                                                  | 5004                                                                                  | 3.0 |

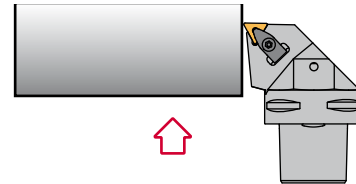
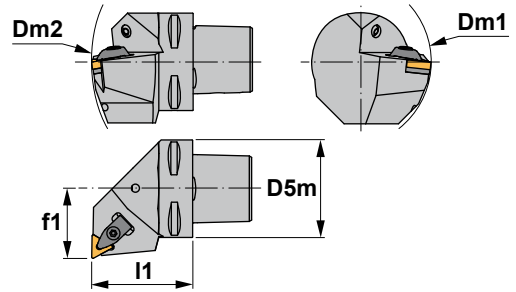
**C CLAMPING**

| Reference   |  |  |  |  |  |  | Nm  |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-12-4 | 1766                                                                                | ISSN-442                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |
| PSC...-12-7 | 1766                                                                                | ISSN-422                                                                            | 9414                                                                                | 2713                                                                                 | 1086                                                                                  | 5003                                                                                  | 3.0 |

**Characteristics:**

Toolholder for face turning applications equipped with triangular negative inserts. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## DTFN 90°

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-DTFNR/L22040-16 | 1.260 | 2.362       | 4.567       | 0.866 | 1.575 | -6°        | -6°           | TNM..33..   | 0.465                                                                               |
| PSC40-DTFNR/L27050-16 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | TNM..33..   | 0.930                                                                               |
| PSC50-DTFNR/L35060-16 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | TNM..33..   | 1.765                                                                               |
| PSC63-DTFNR/L45065-16 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | TNM..33..   | 2.425                                                                               |
| PSC40-DTFNR/L27050-22 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | TNM..43..   | 0.930                                                                               |
| PSC50-DTFNR/L35060-22 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | TNM..43..   | 1.765                                                                               |
| PSC63-DTFNR/L45065-22 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | TNM..43..   | 2.425                                                                               |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-DTFNR/L22040-16 | 1764                                                                                | ITSN-342                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC40-DTFNR/L27050-16 | 1764                                                                                | ITSN-342                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DTFNR/L35060-16 | 1764                                                                                | ITSN-342                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DTFNR/L45065-16 | 1764                                                                                | ITSN-342                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC40-DTFNR/L27050-22 | 1766                                                                                | ITSN-443                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DTFNR/L35060-22 | 1766                                                                                | ITSN-443                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DTFNR/L45065-22 | 1766                                                                                | ITSN-443                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

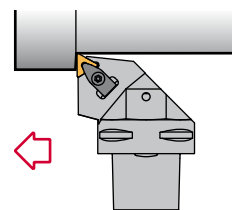
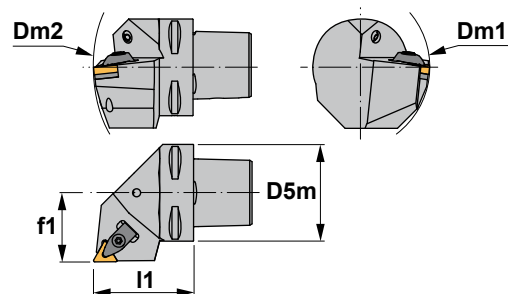


| Reference |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-16 | 2604                                                                                | 1085                                                                                | 5025                                                                                | ITSN-342                                                                             | 1675 5002                                                                             | 2.0 |

**Characteristics:**

Toolholder for external turning applications equipped with triangular negative inserts. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## DTGN 90°

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-DTGNR/L27050-16 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | TNM..33..   | 0.930                                                                               |
| PSC50-DTGNR/L35060-16 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | TNM..33..   | 1.765                                                                               |
| PSC63-DTGNR/L45065-16 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | TNM..33..   | 2.425                                                                               |
| PSC40-DTGNR/L27050-22 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | TNM..43..   | 0.930                                                                               |
| PSC50-DTGNR/L35060-22 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | TNM..43..   | 1.765                                                                               |
| PSC63-DTGNR/L45065-22 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | TNM..43..   | 2.425                                                                               |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-DTGNR/L27050-16 | 1764                                                                                | ITSN-342                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DTGNR/L35060-16 | 1764                                                                                | ITSN-342                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DTGNR/L45065-16 | 1764                                                                                | ITSN-342                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC40-DTGNR/L27050-22 | 1766                                                                                | ITSN-433                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DTGNR/L35060-22 | 1766                                                                                | ITSN-433                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DTGNR/L45065-22 | 1766                                                                                | ITSN-433                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems



| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-16 | 2604                                                                                | 1085                                                                                | 5025                                                                                | ITSN-342                                                                             | 1675                                                                                  | 5002                                                                                  | 2.0 |

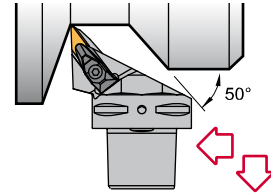
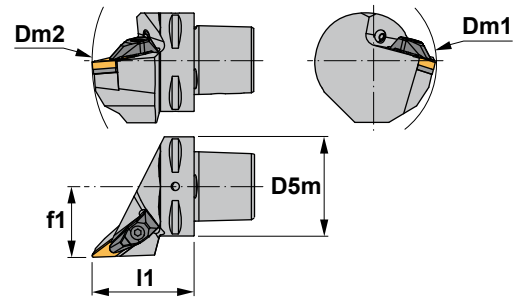
**Characteristics:**

Toolholder for very specific operations equipped with rhombic negative inserts (angle 35°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## DVJN 93°

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  lbs |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-----------------------------------------------------------------------------------------|
| PSC40-DVJNR/L27062-16 | 1.575 | 2.362       | 5.984       | 1.063 | 2.441 | -4°        | -13°          | VN..33..    | 0.990                                                                                   |
| PSC50-DVJNR/L35065-16 | 1.969 | 2.559       | 6.693       | 1.378 | 2.559 | -4°        | -13°          | VN..33..    | 1.740                                                                                   |
| PSC63-DVJNR/L45065-16 | 2.480 | 3.189       | 7.480       | 1.772 | 2.559 | -4°        | -13°          | VN..33..    | 2.425                                                                                   |
| PSC80-DVJNR/L55080-16 | 3.150 | 3.937       | 9.843       | 2.165 | 3.150 | -4°        | -13°          | VN..33..    | 6.040                                                                                   |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-DVJNR/L27062-16 | 1764                                                                                | IVSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DVJNR/L35065-16 | 1764                                                                                | IVSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DVJNR/L45065-16 | 1764                                                                                | IVSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC80-DVJNR/L55080-16 | 1764                                                                                | IVSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

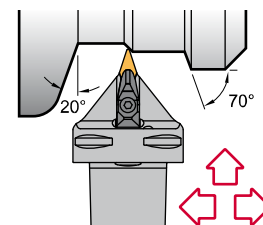
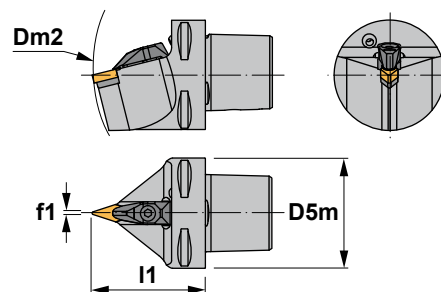


| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-16 | 2604                                                                                | 1085                                                                                | 5025                                                                                | IVSN-322                                                                             | 1665                                                                                  | 5002                                                                                  | 2.0 |

**Characteristics:**

Profiling toolholder equipped with rhombic negative double-sided insert (angle 35°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## DVVN 72° 30'

| Reference           | D5m   | Dm2 min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|---------------------|-------|----------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-DVVNN00062-16 | 1.575 | 5.984    | 0.024 | 2.441 | -4°        | -13°          | VN..33..    | 0.950                                                                               |
| PSC50-DVVNN00065-16 | 1.969 | 6.693    | 0.024 | 2.559 | -4°        | -13°          | VN..33..    | 1.765                                                                               |
| PSC63-DVVNN00065-16 | 2.480 | 7.480    | 0.024 | 2.559 | -4°        | -13°          | VN..33..    | 2.360                                                                               |
| PSC80-DVVNN00080-16 | 3.150 | 9.843    | 0.024 | 3.150 | -4°        | -13°          | VN..33..    | 5.115                                                                               |

| Reference           |  |  |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-DVVNN00062-16 | 1764                                                                                | IVSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DVVNN00065-16 | 1764                                                                                | IVSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DVVNN00065-16 | 1764                                                                                | IVSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC80-DVVNN00080-16 | 1764                                                                                | IVSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |

## Optional clamping systems

**M CLAMPING**

| Reference |  |  |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC...-16 | 2604                                                                                | 1085                                                                                | 5025                                                                                | IVSN-322                                                                             | 1665                                                                                  | 5002                                                                                  | 2.0 |

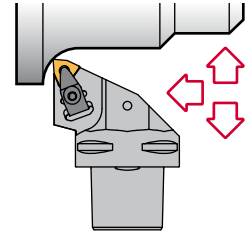
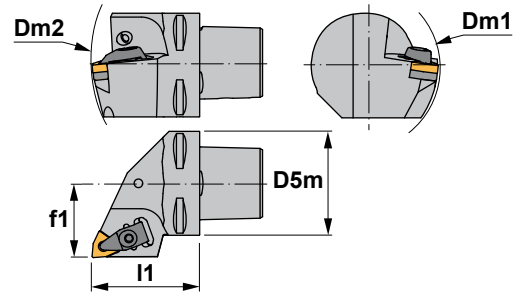
**Characteristics:**

Multipurpose toolholder equipped with trigon negative double-sided insert (angle 80°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## DWLN 95°

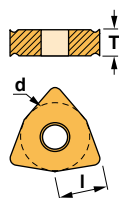
| Reference            | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-DWLN/L22040-06 | 1.260 | 2.362       | 4.567       | 0.866 | 1.575 | -6°        | -6°           | WNMG33..    | 0.465                                                                               |
| PSC40-DWLN/L27050-06 | 1.575 | 2.362       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | WNMG33..    | 0.930                                                                               |
| PSC50-DWLN/L35060-06 | 1.969 | 2.559       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | WNMG33..    | 1.765                                                                               |
| PSC63-DWLN/L45065-06 | 2.480 | 3.189       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | WNMG33..    | 2.425                                                                               |
| PSC40-DWLN/L27050-08 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | WNMG43..    | 0.930                                                                               |
| PSC50-DWLN/L35060-08 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | WNMG43..    | 1.765                                                                               |
| PSC63-DWLN/L45065-08 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | WNMG43..    | 2.425                                                                               |
| PSC80-DWLN/L55080-08 | 3.150 | 4.331       | 9.843       | 2.165 | 3.150 | -6°        | -6°           | WNMG43..    | 6.040                                                                               |

| Reference            |  |  |  |  |  |  | Nm  |
|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-DWLN/L22040-06 | 1764                                                                                | IWSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC40-DWLN/L27050-06 | 1764                                                                                | IWSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DWLN/L35060-06 | 1764                                                                                | IWSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DWLN/L45065-06 | 1764                                                                                | IWSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC40-DWLN/L27050-08 | 1766                                                                                | IWSN-433                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DWLN/L35060-08 | 1766                                                                                | IWSN-433                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DWLN/L45065-08 | 1766                                                                                | IWSN-433                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC80-DWLN/L55080-08 | 1766                                                                                | IWSN-433                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

**WNMG**

80° trigon negative inserts.  A42-43

| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| WNMG33..  | 0.241 | 0.187 | 0.375 |
| WNMG43..  | 0.320 | 0.187 | 0.500 |



WNMG-FC WNMG-FMC WNMG-KC WNMG-MFC



WNMG-MC WNMG-MHC WNMG-TC

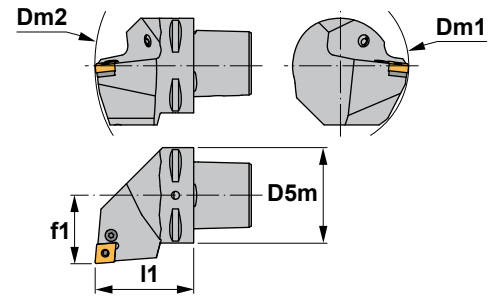
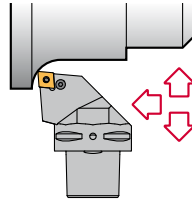




**Characteristics:**

Multipurpose toolholder equipped with rhombic negative double-sided insert (angle 80°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



## PCLN 95°

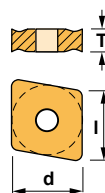
| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-PCLNR/L22040-12 | 1.260 | 2.362       | 4.882       | 0.866 | 1.575 | -6°        | -6°           | CN..43..    | 0.465                                                                               |
| PSC40-PCLNR/L27050-12 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | CN..43..    | 0.930                                                                               |
| PSC50-PCLNR/L35060-12 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | CN..43..    | 1.765                                                                               |
| PSC63-PCLNR/L45065-12 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | CN..43..    | 2.425                                                                               |
| PSC80-PCLNR/L55080-12 | 3.150 | 4.331       | 9.843       | 2.165 | 3.150 | -6°        | -6°           | CN..43..    | 6.040                                                                               |
| PSC40-PCLNR/L27050-16 | 1.575 | 4.921       | 5.512       | 1.063 | 1.969 | -6°        | -6°           | CN..54..    | 0.930                                                                               |
| PSC50-PCLNR/L35060-16 | 1.969 | 4.921       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | CN..54..    | 1.765                                                                               |
| PSC63-PCLNR/L45065-16 | 2.480 | 4.921       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | CN..54..    | 2.425                                                                               |
| PSC80-PCLNR/L55080-16 | 3.150 | 4.921       | 9.843       | 2.165 | 3.150 | -6°        | -6°           | CN..54..    | 6.040                                                                               |
| PSC50-PCLNR/L35060-19 | 1.969 | 4.921       | 6.496       | 1.378 | 2.362 | -6°        | -6°           | CN..64..    | 1.765                                                                               |
| PSC63-PCLNR/L45065-19 | 2.480 | 4.921       | 7.480       | 1.772 | 2.559 | -6°        | -6°           | CN..64..    | 2.425                                                                               |
| PSC80-PCLNR/L55080-19 | 3.150 | 4.921       | 9.843       | 2.165 | 3.150 | -6°        | -6°           | CN..64..    | 6.040                                                                               |
| PSC80-PCLNR/L55080-25 | 3.150 | 5.906       | 9.843       | 2.165 | 3.150 | -6°        | -6°           | CN..2509..  | 6.040                                                                               |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-PCLNR/L22040-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3612                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC40-PCLNR/L27050-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3612                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC50-PCLNR/L35060-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3612                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC63-PCLNR/L45065-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3612                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC80-PCLNR/L55080-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3612                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC40-PCLNR/L27050-16 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3616                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC50-PCLNR/L35060-16 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3616                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC63-PCLNR/L45065-16 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3616                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC80-PCLNR/L55080-16 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3616                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC50-PCLNR/L35060-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3619                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC63-PCLNR/L45065-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3619                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PCLNR/L55080-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3619                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PCLNR/L55080-25 | 8025                                                                                | 1612                                                                                | 5005                                                                                | 3625                                                                                | 4125                                                                                  | 0025                                                                                  | 4.0 |

**CN..**

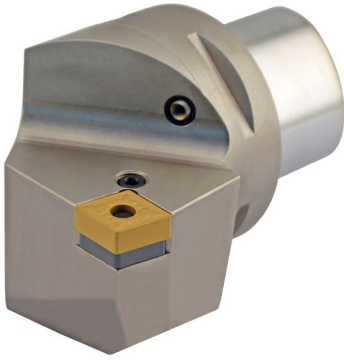
80° rhombic negative inserts.  A24-26

| Reference  | l     | T     | d     |
|------------|-------|-------|-------|
| CN..43..   | 0.508 | 0.187 | 0.500 |
| CN..54..   | 0.633 | 0.250 | 0.625 |
| CN..64..   | 0.763 | 0.250 | 0.750 |
| CN..2509.. | 1.015 | 0.375 | 1.000 |


**CNMG-CC CNMG-FC CNMG-FMC CNMG-KC CNMG-MC**

**CNMG-MFC CNMG-MHC CNMG-RC CNMG-TC CNMM**



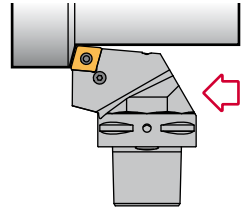
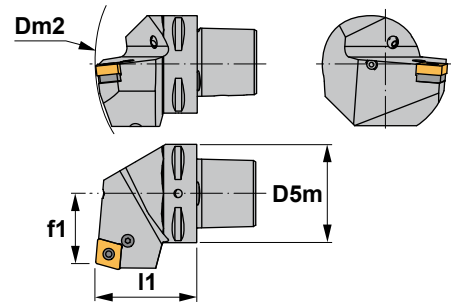

**Characteristics:**

Multipurpose toolholder equipped with rhombic negative double-sided insert (angle 80°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## PCRN 75°

| Reference             | D5m   | Dm2<br>min. | f1    | l1    | $\gamma^1)$ | $\lambda_s^2)$ | Insert size |  lbs |
|-----------------------|-------|-------------|-------|-------|-------------|----------------|-------------|-----------------------------------------------------------------------------------------|
| PSC50-PCNRN/L27060-12 | 1.969 | 6.496       | 1.063 | 2.362 | -6°         | -6°            | CN..43..    | 1.765                                                                                   |
| PSC63-PCNRN/L35065-12 | 2.480 | 7.480       | 1.378 | 2.559 | -6°         | -6°            | CN..43..    | 3.085                                                                                   |
| PSC50-PCNRN/L27060-16 | 1.969 | 6.496       | 1.063 | 2.362 | -6°         | -6°            | CN..54..    | 1.765                                                                                   |
| PSC63-PCNRN/L35065-16 | 2.480 | 7.480       | 1.378 | 2.559 | -6°         | -6°            | CN..54..    | 3.085                                                                                   |
| PSC50-PCNRN/L27060-19 | 1.969 | 6.496       | 1.063 | 2.362 | -6°         | -6°            | CN..64..    | 1.765                                                                                   |
| PSC63-PCNRN/L35065-19 | 2.480 | 7.480       | 1.378 | 2.559 | -6°         | -6°            | CN..64..    | 3.085                                                                                   |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC50-PCNRN/L27060-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3612                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC63-PCNRN/L35065-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3612                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC50-PCNRN/L27060-16 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3616                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC63-PCNRN/L35065-16 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3616                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC50-PCNRN/L27060-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3619                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC63-PCNRN/L35065-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3619                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |

**CN..**

80° rhombic negative inserts.  A24-26

**Reference****l****T****d**

CN..43..

0.508

0.187

0.500

CN..54..

0.633

0.250

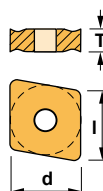
0.625

CN..64..

0.763

0.250

0.750

**CNMG-CC****CNMG-FC****CNMG-FMC****CNMG-KC****CNMG-MC****CNMG-MFC****CNMG-MHC****CNMG-RC****CNMG-TC****CNMM**

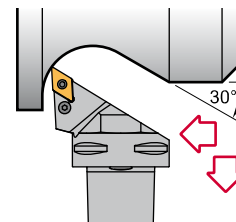
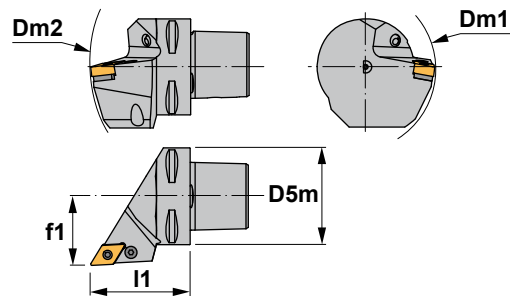
**Characteristics:**

Turning and profiling toolholder equipped with rhombic negative double-sided insert (angle 55°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## PDJN 93°

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC50-PDJNR/L35060-11 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -7°           | DN..33..    | 1.765                                                                               |
| PSC40-PDJNR/L27055-15 | 1.575 | 4.331       | 5.709       | 1.063 | 2.165 | -6°        | -7°           | DN..44..    | 0.950                                                                               |
| PSC50-PDJNR/L35060-15 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -7°           | DN..44..    | 1.765                                                                               |
| PSC63-PDJNR/L45065-15 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -7°           | DN..44..    | 2.425                                                                               |
| PSC80-PDJNR/L55080-15 | 3.150 | 4.331       | 9.843       | 2.165 | 3.150 | -6°        | -7°           | DN..44..    | 6.040                                                                               |

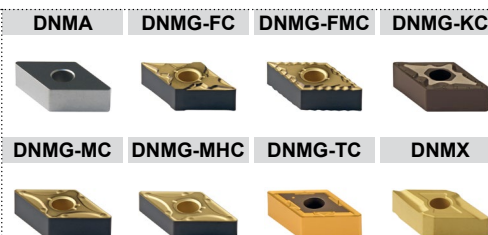
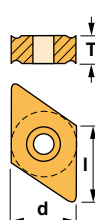
| Reference             |  |  |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC50-PDJNR/L35060-11 | 8009                                                                                | 1606                                                                                | 5025                                                                                | 3711                                                                                | 4109                                                                                | 0009                                                                                 | -                                                                                     | -                                                                                     | 2.0 |
| PSC40-PDJNR/L27055-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC50-PDJNR/L35060-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC63-PDJNR/L45065-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC80-PDJNR/L55080-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |

For inserts DN..43..

**DN..**

55° rhombic negative inserts.  A28-30

| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| DN..33..  | 0.457 | 0.187 | 0.375 |
| DN..43..  | 0.610 | 0.187 | 0.500 |
| DN..44..  | 0.610 | 0.250 | 0.500 |



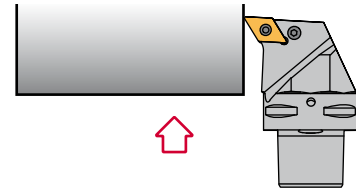
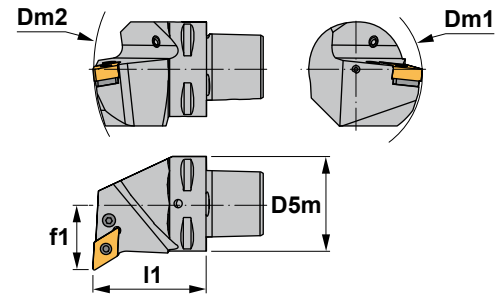
**Characteristics:**

Turning and profiling toolholder equipped with rhombic negative double-sided insert (angle 55°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## PDUN 93°



| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  lbs |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-----------------------------------------------------------------------------------------|
| PSC40-PDUNR/L27050-15 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | -6°        | -7°           | DN..44..    | 0.930                                                                                   |
| PSC50-PDUNR/L35060-15 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | -6°        | -7°           | DN..44..    | 1.765                                                                                   |
| PSC63-PDUNR/L45065-15 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | -6°        | -7°           | DN..44..    | 2.425                                                                                   |
| PSC80-PDUNR/L55080-15 | 3.150 | 4.331       | 9.843       | 2.165 | 3.150 | -6°        | -7°           | DN..44..    | 6.040                                                                                   |

| Reference             |  |  |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-PDUNR/L27050-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC50-PDUNR/L35060-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC63-PDUNR/L45065-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC80-PDUNR/L55080-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |

For inserts DN..43..

**DN..**

55° rhombic negative inserts.  A28-30

**Reference****l****T****d**

DN..43..

0.610

0.187

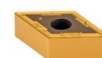
0.500

DN..44..

0.610

0.250

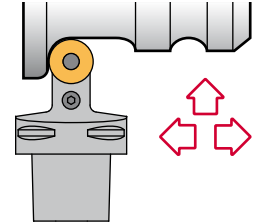
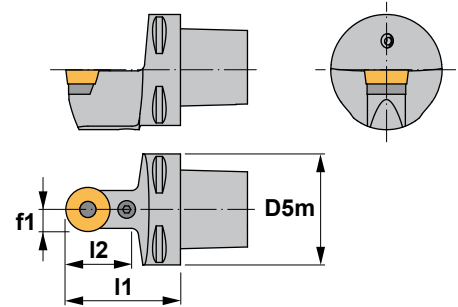
0.500

**DNMA****DNMG-FC****DNMG-FMC****DNMG-KC****DNMG-MC****DNMG-MHC****DNMG-TC****DNMX**

**Characteristics:**

Profiling toolholder equipped with round positive insert. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
 2)  $\lambda_s$  = Angle of inclination.



## PRDC

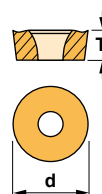
| Reference           | D5m   | f1    | l1    | l2    | $\gamma^{(1)}$ | $\lambda_s^{(2)}$ | Insert size |  |
|---------------------|-------|-------|-------|-------|----------------|-------------------|-------------|-------------------------------------------------------------------------------------|
| PSC63-PRDCN00065-25 | 2.480 | 0.492 | 2.559 | 1.575 | 0°             | 0°                | RC..2507M0  | 2.360                                                                               |
| PSC80-PRDCN00080-25 | 3.150 | 0.492 | 3.150 | 1.575 | 0°             | 0°                | RC..2507M0  | 5.115                                                                               |
| PSC80-PRDCN00080-32 | 3.150 | 0.630 | 3.150 | 1.772 | 0°             | 0°                | RC..3209M0  | 5.115                                                                               |

| Reference           |  |  |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC63-PRDCN00065-25 | 8125                                                                                | 1710                                                                                | 5004                                                                                | 3825                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PRDCN00080-25 | 8125                                                                                | 1710                                                                                | 5004                                                                                | 3825                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PRDCN00080-32 | 8132                                                                                | 1612                                                                                | 5005                                                                                | 3832                                                                                | 4125                                                                                  | 0025                                                                                  | 4.0 |

**RC..**

Round positive inserts with 7° clearance.  A31

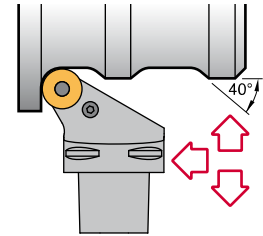
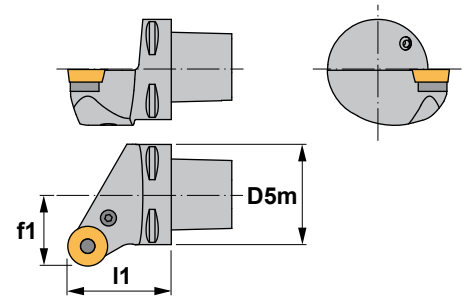
| Reference  | T     | d     |
|------------|-------|-------|
| RC..2507M0 | 0.312 | 0.984 |
| RC..3209M0 | 0.375 | 1.260 |

**RCGT-AL****RCGT-AP****RCMT**

**Characteristics:**

Profiling toolholder equipped with round positive insert. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



## PRSC

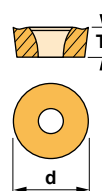
| Reference             | D5m   | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size |  lbs |
|-----------------------|-------|-------|-------|------------|---------------|-------------|-----------------------------------------------------------------------------------------|
| PSC80-PRSCR/L55080-20 | 3.150 | 2.165 | 3.150 | 0°         | 0°            | RC..2006M0  | 6.040                                                                                   |
| PSC63-PRSCR/L45065-25 | 2.480 | 1.772 | 2.559 | 0°         | 0°            | RC..2507M0  | 2.425                                                                                   |
| PSC80-PRSCR/L55080-25 | 3.150 | 2.165 | 3.150 | 0°         | 0°            | RC..2507M0  | 6.040                                                                                   |
| PSC80-PRSCR/L55080-32 | 3.150 | 2.165 | 3.150 | 0°         | 0°            | RC..3209M0  | 6.040                                                                                   |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC80-PRSCR/L55080-20 | 8120                                                                                | 1708                                                                                | 5003                                                                                | 3820                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC63-PRSCR/L45065-25 | 8125                                                                                | 1710                                                                                | 5004                                                                                | 3825                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PRSCR/L55080-25 | 8125                                                                                | 1710                                                                                | 5004                                                                                | 3825                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PRSCR/L55080-32 | 8132                                                                                | 1612                                                                                | 5005                                                                                | 3832                                                                                | 4125                                                                                  | 0025                                                                                  | 4.0 |

**RC..**

Round positive inserts with 7° clearance.  A31

| Reference  | T     | d     |
|------------|-------|-------|
| RC..2006M0 | 0.250 | 0.787 |
| RC..2507M0 | 0.312 | 1.000 |
| RC..3209M0 | 0.375 | 1.260 |

**RCGT-AL****RCGT-AP****RCMT**

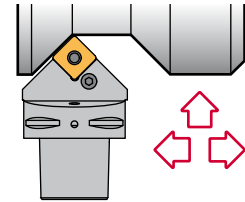
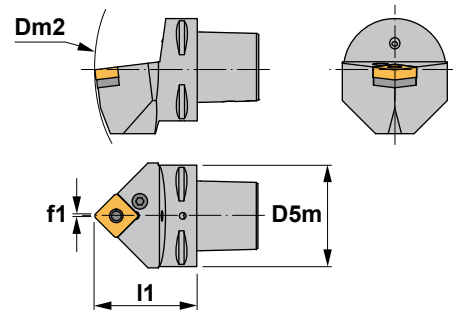
**Characteristics:**

Toolholder for external turning and chamfering applications equipped with square negative inserts.

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## PSDN 45°

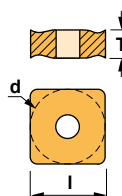
| Reference           | D5m   | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|---------------------|-------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-PSDNN00050-12 | 1.575 | 5.512       | 0.012 | 1.969 | -6°        | -6°           | SNM..43..   | 0.770                                                                               |
| PSC50-PSDNN00060-12 | 1.969 | 6.496       | 0.012 | 2.362 | -6°        | -6°           | SNM..43..   | 1.655                                                                               |
| PSC63-PSDNN00065-12 | 2.480 | 7.480       | 0.012 | 2.559 | -6°        | -6°           | SNM..43..   | 2.360                                                                               |
| PSC40-PSDNN00050-15 | 1.575 | 5.512       | 0.020 | 1.969 | -6°        | -6°           | SNM..54..   | 0.770                                                                               |
| PSC50-PSDNN00060-15 | 1.969 | 6.496       | 0.020 | 2.362 | -6°        | -6°           | SNM..54..   | 1.655                                                                               |
| PSC63-PSDNN00065-15 | 2.480 | 7.480       | 0.020 | 2.559 | -6°        | -6°           | SNM..54..   | 2.360                                                                               |
| PSC50-PSDNN00060-19 | 1.969 | 6.693       | 0.020 | 2.362 | -6°        | -6°           | SNM..64..   | 1.655                                                                               |
| PSC63-PSDNN00065-19 | 2.480 | 7.677       | 0.020 | 2.559 | -6°        | -6°           | SNM..64..   | 2.360                                                                               |
| PSC63-PSDNN00065-25 | 2.480 | 7.677       | 0.039 | 2.559 | -6°        | -6°           | SNM..85..   | 2.360                                                                               |
| PSC80-PSDNN00080-25 | 3.150 | 9.843       | 0.039 | 3.150 | -6°        | -6°           | SNM..85..   | 5.115                                                                               |

| Reference           |  |  |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-PSDNN00050-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC50-PSDNN00060-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC63-PSDNN00065-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC40-PSDNN00050-15 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3515                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC50-PSDNN00060-15 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3515                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC63-PSDNN00065-15 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3515                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC50-PSDNN00060-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3519                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC63-PSDNN00065-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3519                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC63-PSDNN00065-25 | 8025                                                                                | 1612                                                                                | 5005                                                                                | 3525                                                                                | 4125                                                                                  | 0025                                                                                  | 4.0 |
| PSC80-PSDNN00080-25 | 8025                                                                                | 1612                                                                                | 5005                                                                                | 3525                                                                                | 4125                                                                                  | 0025                                                                                  | 4.0 |

**SNM..**

Square negative inserts.  A33-34

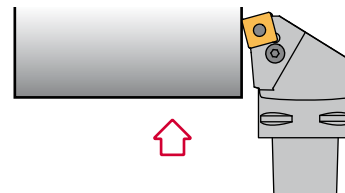
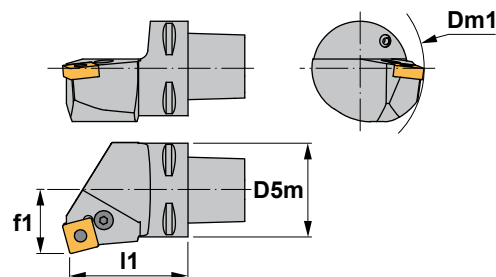
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| SNM..43.. | 0.500 | 0.187 | 0.500 |
| SNM..54.. | 0.625 | 0.250 | 0.625 |
| SNM..64.. | 0.750 | 0.250 | 0.750 |
| SNM..85.. | 1.000 | 0.312 | 1.000 |

**SNMG-FMC****SNMG-KC****SNMG-MHC****SNMG-RC****SNMG-TC****SNMM**

**Characteristics:**

Toolholder for face turning applications equipped with square negative inserts. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## PSKN 75°

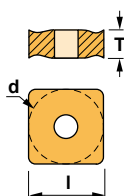
| Reference             | D5m   | Dm1 min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|----------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-PSKNR/L27050-12 | 1.575 | 4.331    | 1.063 | 1.969 | -6°        | -6°           | SNM..43..   | 0.930                                                                               |
| PSC50-PSKNR/L35060-12 | 1.969 | 4.331    | 1.378 | 2.362 | -6°        | -6°           | SNM..43..   | 1.765                                                                               |
| PSC63-PSKNR/L45065-12 | 2.480 | 4.331    | 1.772 | 2.559 | -6°        | -6°           | SNM..43..   | 2.425                                                                               |
| PSC50-PSKNR/L35060-15 | 1.969 | 4.921    | 1.378 | 2.362 | -6°        | -6°           | SNM..54..   | 1.765                                                                               |
| PSC63-PSKNR/L45065-15 | 2.480 | 4.921    | 1.772 | 2.559 | -6°        | -6°           | SNM..54..   | 2.425                                                                               |
| PSC50-PSKNR/L35060-19 | 1.969 | 4.921    | 1.378 | 2.362 | -6°        | -6°           | SNM..64..   | 1.765                                                                               |
| PSC63-PSKNR/L45065-19 | 2.480 | 4.921    | 1.772 | 2.559 | -6°        | -6°           | SNM..64..   | 2.425                                                                               |
| PSC80-PSKNR/L55080-19 | 3.150 | 4.921    | 2.165 | 3.150 | -6°        | -6°           | SNM..64..   | 6.040                                                                               |
| PSC80-PSKNR/L55080-25 | 3.150 | 5.906    | 2.165 | 3.150 | -6°        | -6°           | SNM..85..   | 6.040                                                                               |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-PSKNR/L27050-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC50-PSKNR/L35060-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC63-PSKNR/L45065-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC50-PSKNR/L35060-15 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3515                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC63-PSKNR/L45065-15 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3515                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC50-PSKNR/L35060-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3519                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC63-PSKNR/L45065-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3519                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PSKNR/L55080-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3519                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PSKNR/L55080-25 | 8025                                                                                | 1612                                                                                | 5005                                                                                | 3525                                                                                | 4125                                                                                  | 0025                                                                                  | 4.0 |

**SNM..**

Square negative inserts.  A33-34

| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| SNM..43.. | 0.500 | 0.187 | 0.500 |
| SNM..54.. | 0.625 | 0.250 | 0.625 |
| SNM..64.. | 0.750 | 0.250 | 0.750 |
| SNM..85.. | 1.000 | 0.312 | 1.000 |

**SNMG-FMC****SNMG-KC****SNMG-MHC****SNMG-RC****SNMG-TC****SNMM**

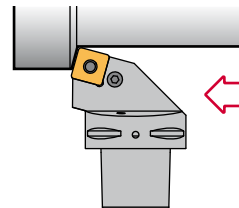
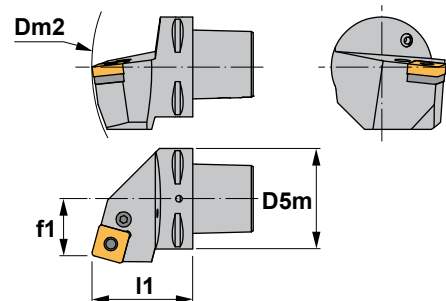




#### Characteristics:

Toolholder for face turning applications equipped with square negative inserts. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## PSRN 75°

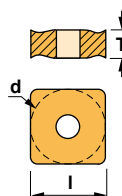
| Reference             | D5m   | Dm2 min. | f1    | I1    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|-----------------------|-------|----------|-------|-------|------------|---------------|-------------|-------|
| PSC32-PSRNR/L17040-12 | 1.260 | 4.882    | 0.669 | 1.575 | -6°        | -6°           | SNM..43..   | 0.440 |
| PSC40-PSRNR/L22050-12 | 1.575 | 5.512    | 0.866 | 1.969 | -6°        | -6°           | SNM..43..   | 0.930 |
| PSC50-PSRNR/L27060-12 | 1.969 | 6.496    | 1.063 | 2.362 | -6°        | -6°           | SNM..43..   | 1.765 |
| PSC63-PSRNR/L35065-12 | 2.480 | 7.480    | 1.378 | 2.559 | -6°        | -6°           | SNM..43..   | 3.085 |
| PSC50-PSRNR/L27060-15 | 1.969 | 6.496    | 1.063 | 2.362 | -6°        | -6°           | SNM..54..   | 1.765 |
| PSC63-PSRNR/L35065-15 | 2.480 | 7.480    | 1.378 | 2.559 | -6°        | -6°           | SNM..54..   | 3.085 |
| PSC50-PSRNR/L27060-19 | 1.969 | 6.496    | 1.063 | 2.362 | -6°        | -6°           | SNM..64..   | 1.765 |
| PSC63-PSRNR/L35065-19 | 2.480 | 7.480    | 1.378 | 2.559 | -6°        | -6°           | SNM..64..   | 3.085 |
| PSC80-PSRNR/L45080-19 | 3.150 | 9.843    | 1.772 | 3.150 | -6°        | -6°           | SNM..64..   | 6.170 |
| PSC80-PSRNR/L45080-25 | 3.150 | 9.843    | 1.772 | 3.150 | -6°        | -6°           | SNM..85..   | 6.170 |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-PSRNR/L17040-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC40-PSRNR/L22050-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC50-PSRNR/L27060-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC63-PSRNR/L35065-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC50-PSRNR/L27060-15 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3515                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC63-PSRNR/L35065-15 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3515                                                                                | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC50-PSRNR/L27060-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3519                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC63-PSRNR/L35065-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3519                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PSRNR/L45080-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3519                                                                                | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PSRNR/L45080-25 | 8025                                                                                | 1612                                                                                | 5005                                                                                | 3525                                                                                | 4125                                                                                  | 0025                                                                                  | 4.0 |

### SNM..

Square negative inserts.  A33-34

| Reference | I     | T     | d     |
|-----------|-------|-------|-------|
| SNM..43.. | 0.500 | 0.187 | 0.500 |
| SNM..54.. | 0.625 | 0.250 | 0.625 |
| SNM..64.. | 0.750 | 0.250 | 0.750 |
| SNM..85.. | 1.000 | 0.312 | 1.000 |



#### SNMG-FMC



#### SNMG-KC



#### SNMG-MHC



#### SNMG-RC



#### SNMG-TC



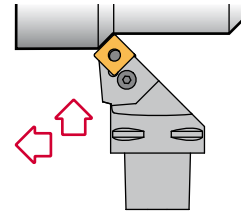
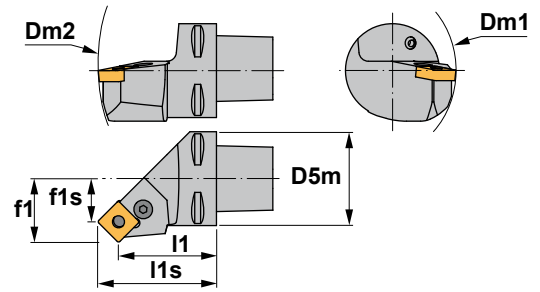
#### SNMM



**Characteristics:**

Toolholder for external turning and chamfering applications equipped with square negative inserts.  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



## PSSN 45°

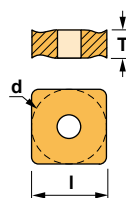
| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | f1s   | l1    | l1s   | $\gamma^1$ | $\lambda s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-PSSNR/L22032-12 | 1.260 | 2.362       | 4.882       | 0.866 | 0.539 | 1.260 | 1.586 | -8°        | 0°            | SNM..43..   | 0.400                                                                               |
| PSC40-PSSNR/L27042-12 | 1.575 | 4.331       | 5.512       | 1.063 | 0.735 | 1.654 | 1.981 | -8°        | 0°            | SNM..43..   | 0.770                                                                               |
| PSC50-PSSNR/L35052-12 | 1.969 | 4.331       | 6.496       | 1.378 | 1.050 | 2.047 | 2.375 | -8°        | 0°            | SNM..43..   | 1.545                                                                               |
| PSC63-PSSNR/L45056-12 | 2.480 | 4.331       | 7.480       | 1.772 | 1.444 | 2.205 | 2.532 | -8°        | 0°            | SNM..43..   | 2.470                                                                               |
| PSC63-PSSNR/L45054-15 | 2.480 | 4.921       | 7.480       | 1.772 | 1.369 | 2.126 | 2.529 | -8°        | 0°            | SNM..54..   | 2.515                                                                               |
| PSC63-PSSNR/L45052-19 | 2.480 | 4.921       | 7.480       | 1.772 | 1.280 | 2.047 | 2.539 | -8°        | 0°            | SNM..64..   | 2.490                                                                               |
| PSC80-PSSNR/L55070-25 | 3.150 | 5.906       | 10.078      | 2.165 | 1.535 | 2.756 | 3.385 | -8°        | 0°            | SNM..85..   | 5.780                                                                               |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-PSSNR/L22032-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                 | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC40-PSSNR/L27042-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                 | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC50-PSSNR/L35052-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                 | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC63-PSSNR/L45056-12 | 8012                                                                                | 1608                                                                                | 5003                                                                                | 3512                                                                                 | 4112                                                                                  | 0012                                                                                  | 3.0 |
| PSC63-PSSNR/L45054-15 | 8016                                                                                | 1618                                                                                | 5003                                                                                | 3515                                                                                 | 4115                                                                                  | 0015                                                                                  | 3.0 |
| PSC63-PSSNR/L45052-19 | 8019                                                                                | 1610                                                                                | 5004                                                                                | 3519                                                                                 | 4119                                                                                  | 0019                                                                                  | 3.5 |
| PSC80-PSSNR/L55070-25 | 8025                                                                                | 1612                                                                                | 5005                                                                                | 3525                                                                                 | 4125                                                                                  | 0025                                                                                  | 4.0 |

**SNM..**

Square negative inserts.  A33-34

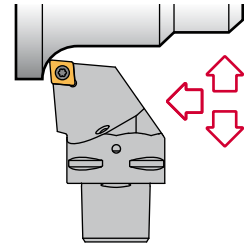
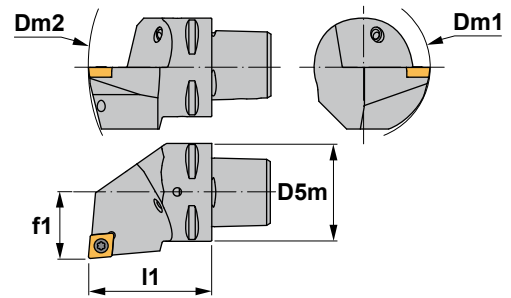
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| SNM..43.. | 0.500 | 0.187 | 0.500 |
| SNM..54.. | 0.625 | 0.250 | 0.625 |
| SNM..64.. | 0.750 | 0.250 | 0.750 |
| SNM..85.. | 1.000 | 0.312 | 1.000 |

**SNMG-FMC****SNMG-KC****SNMG-MHC****SNMG-RC****SNMG-TC****SNMM**

**Characteristics:**

Multipurpose toolholder equipped with rhombic positive insert (angle 80°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## SCLC 95°

| Reference             | D5m   | Dm1 min. | Dm2 min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|-----------------------|-------|----------|----------|-------|-------|------------|---------------|-------------|-------|
| PSC32-SCLCR/L22040-09 | 1.260 | 3.150    | 4.882    | 0.866 | 1.575 | 0°         | 0°            | CC..32.5..  | 0.465 |
| PSC40-SCLCR/L27050-09 | 1.575 | 3.150    | 5.512    | 1.063 | 1.969 | 0°         | 0°            | CC..32.5..  | 0.930 |
| PSC50-SCLCR/L35060-09 | 1.969 | 3.150    | 6.496    | 1.378 | 2.362 | 0°         | 0°            | CC..32.5..  | 1.765 |
| PSC63-SCLCR/L45065-09 | 2.480 | 3.150    | 7.480    | 1.772 | 2.559 | 0°         | 0°            | CC..32.5..  | 2.425 |
| PSC32-SCLCR/L22040-12 | 1.260 | 4.331    | 4.882    | 0.866 | 1.575 | 0°         | 0°            | CC..43..    | 0.465 |
| PSC40-SCLCR/L27050-12 | 1.575 | 4.331    | 5.512    | 1.063 | 1.969 | 0°         | 0°            | CC..43..    | 0.930 |
| PSC50-SCLCR/L35060-12 | 1.969 | 4.331    | 6.496    | 1.378 | 2.362 | 0°         | 0°            | CC..43..    | 1.765 |
| PSC63-SCLCR/L45065-12 | 2.480 | 4.331    | 7.480    | 1.772 | 2.559 | 0°         | 0°            | CC..43..    | 2.425 |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SCLCR/L22040-09 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC40-SCLCR/L27050-09 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC50-SCLCR/L35060-09 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC63-SCLCR/L45065-09 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC32-SCLCR/L22040-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |
| PSC40-SCLCR/L27050-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |
| PSC50-SCLCR/L35060-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |
| PSC63-SCLCR/L45065-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |

**CC..**

80° rhombic positive inserts with 7° clearance.  A23

**Reference**

CC..32.5..

CC..43..

l

T

d

0.380

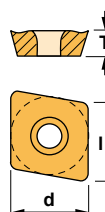
0.156

0.375

0.508

0.187

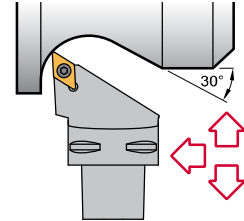
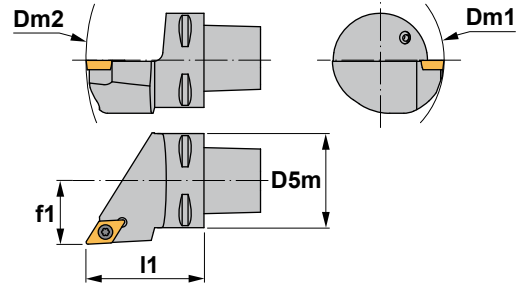
0.500

**CCGT-AL****CCGT-AP****CCMT****CCMW**

**Characteristics:**

Multipurpose toolholder equipped with rhombic positive insert (angle 55°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



## SDJC 93°

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size |  lbs |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-----------------------------------------------------------------------------------------|
| PSC32-SDJCR/L22040-07 | 1.260 | 3.150       | 4.882       | 0.866 | 1.575 | 0°         | 0°            | DC..21.5..  | 0.465                                                                                   |
| PSC40-SDJCR/L27050-07 | 1.575 | 3.150       | 5.512       | 1.063 | 1.969 | 0°         | 0°            | DC..21.5..  | 0.930                                                                                   |
| PSC32-SDJCR/L22040-11 | 1.260 | 4.331       | 4.882       | 0.866 | 1.575 | 0°         | 0°            | DC..32.5..  | 0.465                                                                                   |
| PSC40-SDJCR/L27050-11 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | 0°         | 0°            | DC..32.5..  | 0.930                                                                                   |
| PSC50-SDJCR/L35060-11 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | 0°         | 0°            | DC..32.5..  | 1.765                                                                                   |
| PSC63-SDJCR/L45065-11 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | 0°         | 0°            | DC..32.5..  | 2.425                                                                                   |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SDJCR/L22040-07 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-SDJCR/L27050-07 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC32-SDJCR/L22040-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC40-SDJCR/L27050-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SDJCR/L35060-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC63-SDJCR/L45065-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |

**DC..**

55° rhombic positive inserts with 7° clearance.  A27

**Reference****l****T****d**

DC..21.5..

0.305

0.093

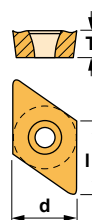
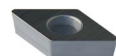
0.250

DC..32.5..

0.456

0.156

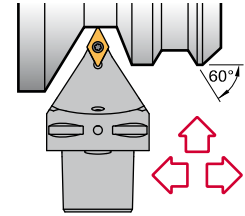
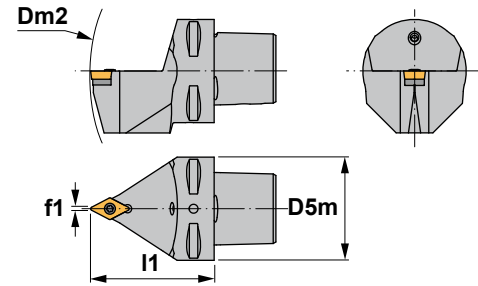
0.375

**DCGT-AL****DCGT-AP****DCMT****DCMW**

**Characteristics:**

Multipurpose profiling toolholder equipped with rhombic positive insert (angle 55°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



## SDNC 62° 30'

| Reference           | D5m   | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size |  |
|---------------------|-------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-SDNCN00040-11 | 1.260 | 4.882       | 0.020 | 1.575 | 0°         | 0°            | DC..32.5..  | 0.350                                                                               |
| PSC40-SDNCN00050-11 | 1.575 | 5.512       | 0.020 | 1.969 | 0°         | 0°            | DC..32.5..  | 0.770                                                                               |
| PSC50-SDNCN00060-11 | 1.969 | 6.496       | 0.020 | 2.362 | 0°         | 0°            | DC..32.5..  | 1.655                                                                               |

| Reference           |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SDNCN00040-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC40-SDNCN00050-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SDNCN00060-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |

**DC..**

55° rhombic positive inserts with 7° clearance.  A27

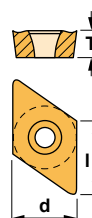
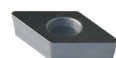
**Reference****l****T****d**

DC..32.5..

0.456

0.156

0.375

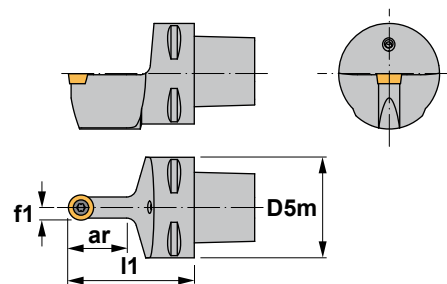
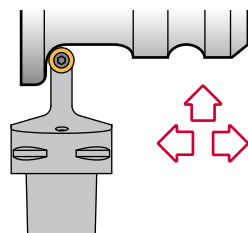
**DCGT-AL****DCGT-AP****DCMT****DCMW**



## Characteristics:

Profiling toolholder equipped with round positive insert. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



## SRDC



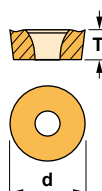
| Reference           | ar    | D5m   | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size | lbs   |
|---------------------|-------|-------|-------|-------|------------|---------------|-------------|-------|
| PSC32-SRDCN00040-06 | 0.472 | 1.260 | 0.118 | 1.575 | 0°         | 0°            | RC..0602M0  | 0.350 |
| PSC40-SRDCN00050-06 | 0.472 | 1.575 | 0.118 | 1.969 | 0°         | 0°            | RC..0602M0  | 0.770 |
| PSC50-SRDCN00060-06 | 0.472 | 1.969 | 0.118 | 2.362 | 0°         | 0°            | RC..0602M0  | 1.655 |
| PSC32-SRDCN00040-08 | 0.630 | 1.260 | 0.157 | 1.575 | 0°         | 0°            | RC..0803M0  | 0.350 |
| PSC40-SRDCN00050-08 | 0.630 | 1.575 | 0.157 | 1.969 | 0°         | 0°            | RC..0803M0  | 0.770 |
| PSC50-SRDCN00060-08 | 0.630 | 1.969 | 0.157 | 2.362 | 0°         | 0°            | RC..0803M0  | 1.655 |
| PSC32-SRDCN00040-10 | 0.787 | 1.260 | 0.197 | 1.575 | 0°         | 0°            | RC..10T3M0  | 0.350 |
| PSC40-SRDCN00050-10 | 0.984 | 1.575 | 0.197 | 1.969 | 0°         | 0°            | RC..10T3M0  | 0.770 |
| PSC50-SRDCN00060-10 | 0.984 | 1.969 | 0.197 | 2.362 | 0°         | 0°            | RC..10T3M0  | 1.655 |
| PSC63-SRDCN00065-10 | 0.984 | 2.480 | 0.197 | 2.559 | 0°         | 0°            | RC..10T3M0  | 2.360 |
| PSC40-SRDCN00050-12 | 1.102 | 1.575 | 0.236 | 1.969 | 0°         | 0°            | RC..1204M0  | 0.770 |
| PSC50-SRDCN00060-12 | 1.102 | 1.969 | 0.236 | 2.362 | 0°         | 0°            | RC..1204M0  | 1.655 |
| PSC63-SRDCN00065-12 | 1.102 | 2.480 | 0.236 | 2.559 | 0°         | 0°            | RC..1204M0  | 2.360 |
| PSC50-SRDCN00060-16 | 1.378 | 1.969 | 0.315 | 2.362 | 0°         | 0°            | RC..1606M0  | 1.655 |
| PSC63-SRDCN00065-16 | 1.378 | 2.480 | 0.315 | 2.559 | 0°         | 0°            | RC..1606M0  | 2.360 |
| PSC50-SRDCN00060-20 | 1.575 | 1.969 | 0.394 | 2.362 | 0°         | 0°            | RC..2006M0  | 1.655 |
| PSC63-SRDCN00065-20 | 1.575 | 2.480 | 0.394 | 2.559 | 0°         | 0°            | RC..2006M0  | 2.360 |

| Reference |      |      |      |      | Nm  |
|-----------|------|------|------|------|-----|
| ... -06   | 1225 | 5507 | -    | -    | 0.9 |
| ... -08   | 1230 | 5508 | -    | -    | 1.2 |
| ... -10   | 1335 | 5516 | 3811 | 1750 | 3.0 |
| ... -12   | 1335 | 5516 | 3814 | 1750 | 3.0 |
| ... -16   | 1540 | 5517 | 3816 | 1765 | 3.0 |
| ... -20   | 1260 | 5520 | 3919 | 1059 | 4.0 |

### RC..

Round positive inserts with 7° clearance. A31

| Reference  | T     | d     |
|------------|-------|-------|
| RC..0602M0 | 0.094 | 0.236 |
| RC..0803M0 | 0.125 | 0.315 |
| RC..10T3M0 | 0.156 | 0.394 |
| RC..1204M0 | 0.187 | 0.472 |
| RC..1606M0 | 0.250 | 0.630 |
| RC..2006M0 | 0.250 | 0.787 |



## RCGT-AL

## RCGT-AP



## RCMT

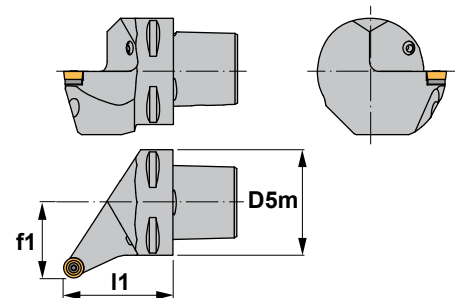
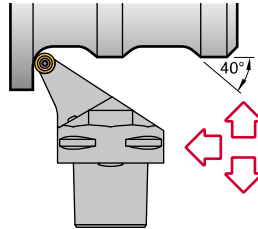




#### Characteristics:

Profiling toolholder equipped with round positive insert. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).
- 2)  $\lambda_s$  = Angle of inclination.



## SRSC 45°

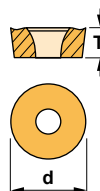
| Reference             | D5m   | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|-----------------------|-------|-------|-------|------------|---------------|-------------|-------|
| PSC32-SRSCR/L22040-06 | 1.260 | 0.866 | 1.575 | 0°         | 0°            | RC..0602M0  | 0.465 |
| PSC40-SRSCR/L27050-06 | 1.575 | 1.063 | 1.969 | 0°         | 0°            | RC..0602M0  | 0.930 |
| PSC50-SRSCR/L35060-06 | 1.969 | 1.378 | 2.362 | 0°         | 0°            | RC..0602M0  | 1.765 |
| PSC32-SRSCR/L22040-08 | 1.260 | 0.866 | 1.575 | 0°         | 0°            | RC..0803M0  | 0.465 |
| PSC40-SRSCR/L27050-08 | 1.575 | 1.063 | 1.969 | 0°         | 0°            | RC..0803M0  | 0.930 |
| PSC50-SRSCR/L35060-08 | 1.969 | 1.378 | 2.362 | 0°         | 0°            | RC..0803M0  | 1.765 |
| PSC32-SRSCR/L22040-10 | 1.260 | 0.866 | 1.575 | 0°         | 0°            | RC..10T3M0  | 0.465 |
| PSC40-SRSCR/L27050-10 | 1.575 | 1.063 | 1.969 | 0°         | 0°            | RC..10T3M0  | 0.930 |
| PSC50-SRSCR/L35060-10 | 1.969 | 1.378 | 2.362 | 0°         | 0°            | RC..10T3M0  | 1.765 |
| PSC63-SRSCR/L45065-10 | 2.480 | 1.772 | 2.559 | 0°         | 0°            | RC..10T3M0  | 2.425 |
| PSC40-SRSCR/L27050-12 | 1.575 | 1.063 | 1.969 | 0°         | 0°            | RC..1204M0  | 0.930 |
| PSC50-SRSCR/L35060-12 | 1.969 | 1.378 | 2.362 | 0°         | 0°            | RC..1204M0  | 1.765 |
| PSC63-SRSCR/L45065-12 | 2.480 | 1.772 | 2.559 | 0°         | 0°            | RC..1204M0  | 2.425 |
| PSC50-SRSCR/L35060-16 | 1.969 | 1.378 | 2.362 | 0°         | 0°            | RC..1606M0  | 1.765 |
| PSC63-SRSCR/L45065-16 | 2.480 | 1.772 | 2.559 | 0°         | 0°            | RC..1606M0  | 2.425 |
| PSC50-SRSCR/L35060-20 | 1.969 | 1.378 | 2.362 | 0°         | 0°            | RC..2006M0  | 1.765 |
| PSC63-SRSCR/L45065-20 | 2.480 | 1.772 | 2.559 | 0°         | 0°            | RC..2006M0  | 2.425 |

| Reference |      |      |      |      | Nm  |
|-----------|------|------|------|------|-----|
| ...-06    | 1225 | 5507 | -    | -    | 0.9 |
| ...-08    | 1230 | 5508 | -    | -    | 1.2 |
| ...-10    | 1335 | 5516 | 3811 | 1750 | 3.0 |
| ...-12    | 1335 | 5516 | 3814 | 1750 | 3.0 |
| ...-16    | 1540 | 5517 | 3816 | 1765 | 3.0 |
| ...-20    | 1260 | 5520 | 3919 | 1059 | 4.0 |

### RC..

Round positive inserts with 7° clearance. A31

| Reference  | T     | d     |
|------------|-------|-------|
| RC..0602M0 | 0.094 | 0.236 |
| RC..0803M0 | 0.125 | 0.315 |
| RC..10T3M0 | 0.156 | 0.394 |
| RC..1204M0 | 0.187 | 0.472 |
| RC..1606M0 | 0.250 | 0.630 |
| RC..2006M0 | 0.250 | 0.787 |



#### RCGT-AL

#### RCGT-AP



#### RCMT



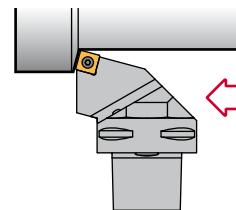
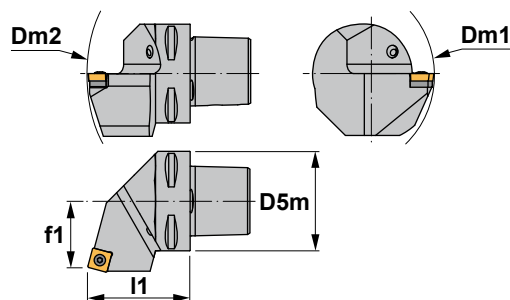


**Characteristics:**

Toolholder for external turning and chamfering applications equipped with square positive inserts.  
PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## SSRC 75°

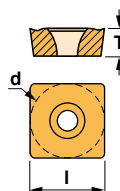
| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  lbs |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|------------------------------------------------------------------------------------------|
| PSC40-SSRCR/L22050-12 | 1.575 | 4.331       | 5.512       | 0.866 | 1.969 | 0°         | 0°            | SC..43..    | 0.930                                                                                    |
| PSC50-SSRCR/L27060-12 | 1.969 | 4.331       | 6.496       | 1.063 | 2.362 | 0°         | 0°            | SC..43..    | 1.765                                                                                    |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-SSRCR/L22050-12 | 1540                                                                                | 5517                                                                                | 3514                                                                                 | 1760                                                                                  | 3.0 |
| PSC50-SSRCR/L27060-12 | 1540                                                                                | 5517                                                                                | 3514                                                                                 | 1760                                                                                  | 3.0 |

**SC..**

Square positive inserts with 7° clearance.  A32

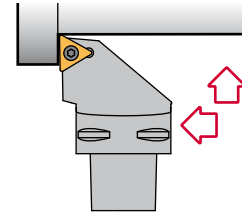
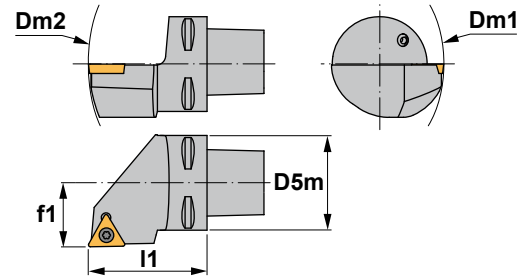
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| SC..43..  | 0.500 | 0.187 | 0.500 |

**SCGT-AL****SCMT****SCMT-39****SCMW**

**Characteristics:**

Toolholder for external turning applications equipped with triangular positive inserts. PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## STGC 90°

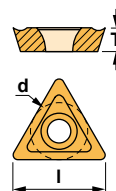
| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1)$ | $\lambda_s^2)$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|-------------|----------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-STGCR/L22040-11 | 1.260 | 3.150       | 4.882       | 0.866 | 1.575 | 0°          | 0°             | TC..21.5..  | 0.465                                                                               |
| PSC40-STGCR/L27050-11 | 1.575 | 3.150       | 5.512       | 1.063 | 1.969 | 0°          | 0°             | TC..21.5..  | 0.930                                                                               |
| PSC32-STGCR/L22040-16 | 1.260 | 4.331       | 4.882       | 0.866 | 1.575 | 0°          | 0°             | TC..32.5..  | 0.465                                                                               |
| PSC40-STGCR/L27050-16 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | 0°          | 0°             | TC..32.5..  | 0.930                                                                               |
| PSC50-STGCR/L35060-16 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | 0°          | 0°             | TC..32.5..  | 1.765                                                                               |
| PSC63-STGCR/L45065-16 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | 0°          | 0°             | TC..32.5..  | 2.425                                                                               |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-STGCR/L22040-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-STGCR/L27050-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC32-STGCR/L22040-16 | 1335                                                                                | 5516                                                                                | 3414                                                                                 | 1750                                                                                  | 3.0 |
| PSC40-STGCR/L27050-16 | 1335                                                                                | 5516                                                                                | 3414                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-STGCR/L35060-16 | 1335                                                                                | 5516                                                                                | 3414                                                                                 | 1750                                                                                  | 3.0 |
| PSC63-STGCR/L45065-16 | 1335                                                                                | 5516                                                                                | 3414                                                                                 | 1750                                                                                  | 3.0 |

**TC..**

Triangular positive inserts with 7° clearance.  A36

| Reference  | l     | T     | d     |
|------------|-------|-------|-------|
| TC..21.5.. | 0.433 | 0.094 | 0.250 |
| TC..32.5.. | 0.650 | 0.156 | 0.375 |

**TCGT-AL****TCMT****TCMW**

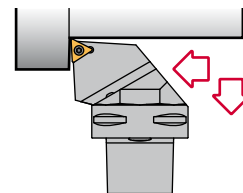
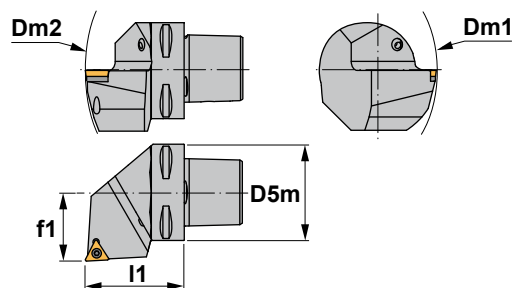
**Characteristics:**

Toolholder for external and face turning applications equipped with triangular positive inserts.

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## STJC 93°

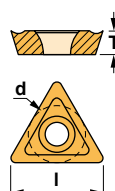
| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-STJCR/L22040-11 | 1.260 | 3.150       | 4.882       | 0.866 | 1.575 | 0°         | 0°            | TC..21.5..  | 0.465                                                                               |
| PSC40-STJCR/L27050-11 | 1.575 | 3.150       | 5.512       | 1.063 | 1.969 | 0°         | 0°            | TC..21.5..  | 0.930                                                                               |
| PSC32-STJCR/L22040-16 | 1.260 | 4.331       | 4.882       | 0.866 | 1.575 | 0°         | 0°            | TC..32.5..  | 0.465                                                                               |
| PSC40-STJCR/L27050-16 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | 0°         | 0°            | TC..32.5..  | 0.930                                                                               |
| PSC50-STJCR/L35060-16 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | 0°         | 0°            | TC..32.5..  | 1.765                                                                               |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-STJCR/L22040-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-STJCR/L27050-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC32-STJCR/L22040-16 | 1335                                                                                | 5516                                                                                | 3414                                                                                 | 1750                                                                                  | 3.0 |
| PSC40-STJCR/L27050-16 | 1335                                                                                | 5516                                                                                | 3414                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-STJCR/L35060-16 | 1335                                                                                | 5516                                                                                | 3414                                                                                 | 1750                                                                                  | 3.0 |

**TC..**

Triangular positive inserts with 7° clearance.  A36

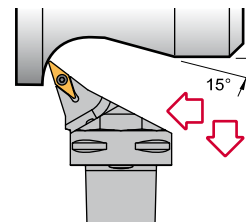
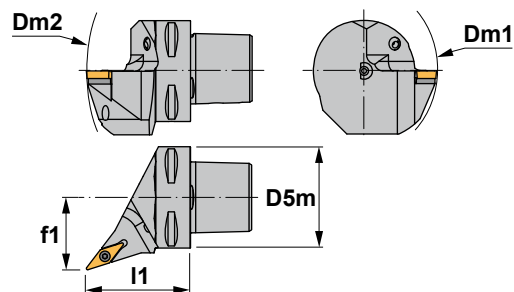
| Reference  | l     | T     | d     |
|------------|-------|-------|-------|
| TC..21.5.. | 0.433 | 0.094 | 0.250 |
| TC..32.5.. | 0.650 | 0.156 | 0.375 |

**TCGT-AL****TCMT****TCMW**

**Characteristics:**

Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## SVHB 107° 30'

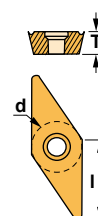
| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-SVHBR/L27050-16 | 1.575 | 4.331       | 5.512       | 1.063 | 1.969 | 0°         | 0°            | VBMT33..    | 0.930                                                                               |
| PSC50-SVHBR/L35060-16 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | 0°         | 0°            | VBMT33..    | 1.765                                                                               |
| PSC63-SVHBR/L45065-16 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | 0°         | 0°            | VBMT33..    | 2.425                                                                               |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-SVHBR/L27050-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SVHBR/L35060-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC63-SVHBR/L45065-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |

**VBMT**

35° rhombic positive insert with 5° clearance.  A40

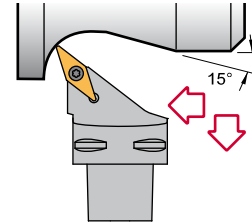
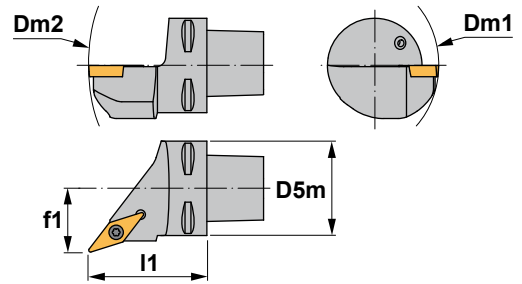
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| VBMT33..  | 0.650 | 0.187 | 0.375 |

**VBMT**

**Characteristics:**

Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## SVHC 107° 30'

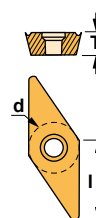
| Reference             | D5m   | Dm1 min. | Dm2 min. | f1    | l1    | $\gamma_1$ | $\lambda_{s2}$ | Insert size |  |
|-----------------------|-------|----------|----------|-------|-------|------------|----------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-SVHCR/L22040-11 | 1.260 | 3.150    | 4.882    | 0.866 | 1.575 | 0°         | 0°             | VC..22..    | 0.465                                                                               |
| PSC40-SVHCR/L27050-11 | 1.575 | 3.150    | 5.512    | 1.063 | 1.969 | 0°         | 0°             | VC..22..    | 0.930                                                                               |
| PSC50-SVHCR/L35060-11 | 1.969 | 3.150    | 6.496    | 1.378 | 2.362 | 0°         | 0°             | VC..22..    | 1.765                                                                               |
| PSC40-SVHCR/L27050-16 | 1.575 | 4.331    | 5.512    | 1.063 | 1.969 | 0°         | 0°             | VC..33..    | 0.930                                                                               |
| PSC50-SVHCR/L35060-16 | 1.969 | 4.331    | 6.496    | 1.378 | 2.362 | 0°         | 0°             | VC..33..    | 1.765                                                                               |
| PSC63-SVHCR/L45065-16 | 2.480 | 4.331    | 7.480    | 1.772 | 2.559 | 0°         | 0°             | VC..33..    | 2.425                                                                               |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SVHCR/L22040-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-SVHCR/L27050-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC50-SVHCR/L35060-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-SVHCR/L27050-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SVHCR/L35060-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC63-SVHCR/L45065-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |

**VC..**

35° rhombic positive inserts with 7° clearance.  A40

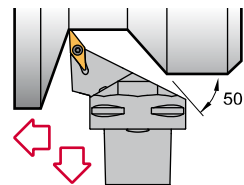
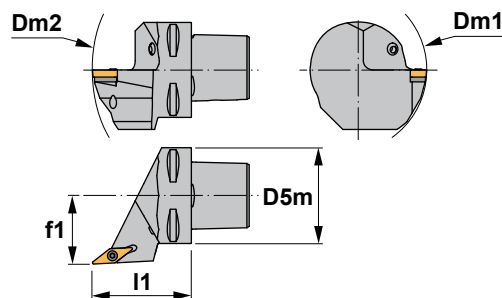
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| VC..22..  | 0.433 | 0.125 | 0.250 |
| VC..33..  | 0.650 | 0.187 | 0.375 |

**VC GT-AL****VC GT-AP****VC MT**

**Characteristics:**

Multipurpose profiling toolholder equipped with rhombic 5° positive insert (angle 35°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



## SVJB 93°

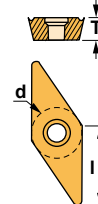
| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size |  lbs |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-----------------------------------------------------------------------------------------|
| PSC40-SVJBR/L27050-16 | 1.575 | 4.331       | 5.709       | 1.063 | 1.969 | 0°         | 0°            | VBMT33..    | 0.930                                                                                   |
| PSC50-SVJBR/L35060-16 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | 0°         | 0°            | VBMT33..    | 1.765                                                                                   |
| PSC63-SVJBR/L45065-16 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | 0°         | 0°            | VBMT33..    | 2.425                                                                                   |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-SVJBR/L27050-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SVJBR/L35060-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC63-SVJBR/L45065-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |

**VBMT**

35° rhombic positive insert with 5° clearance.  A40

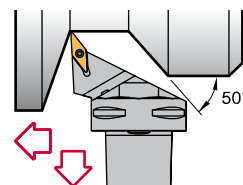
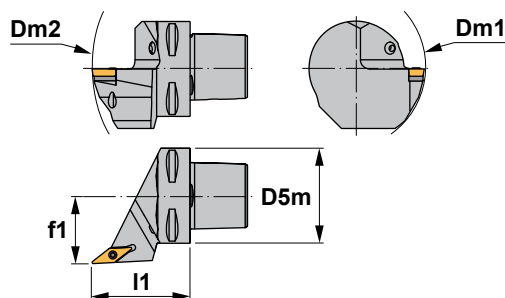
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| VBMT33..  | 0.650 | 0.187 | 0.375 |

**VBMT**

**Characteristics:**

Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



## SVJC 93°

| Reference             | D5m   | Dm1<br>min. | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda s^2$ | Insert size |  lbs |
|-----------------------|-------|-------------|-------------|-------|-------|------------|---------------|-------------|-----------------------------------------------------------------------------------------|
| PSC32-SVJCR/L22040-11 | 1.260 | 3.150       | 4.764       | 0.866 | 1.575 | 0°         | 0°            | VC..22..    | 0.465                                                                                   |
| PSC40-SVJCR/L27050-11 | 1.575 | 3.150       | 5.709       | 1.063 | 1.969 | 0°         | 0°            | VC..22..    | 0.930                                                                                   |
| PSC50-SVJCR/L35060-11 | 1.969 | 3.150       | 6.496       | 1.378 | 2.362 | 0°         | 0°            | VC..22..    | 1.765                                                                                   |
| PSC40-SVJCR/L27050-16 | 1.575 | 4.331       | 5.709       | 1.063 | 1.969 | 0°         | 0°            | VC..33..    | 0.930                                                                                   |
| PSC50-SVJCR/L35060-16 | 1.969 | 4.331       | 6.496       | 1.378 | 2.362 | 0°         | 0°            | VC..33..    | 1.765                                                                                   |
| PSC63-SVJCR/L45065-16 | 2.480 | 4.331       | 7.480       | 1.772 | 2.559 | 0°         | 0°            | VC..33..    | 2.425                                                                                   |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SVJCR/L22040-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-SVJCR/L27050-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC50-SVJCR/L35060-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-SVJCR/L27050-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SVJCR/L35060-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC63-SVJCR/L45065-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |

**VC..**

35° rhombic positive inserts with 7° clearance.  A40

**Reference****l****T****d**

VC..22..

0.433

0.125

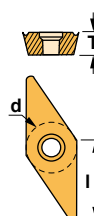
0.250

VC..33..

0.650

0.187

0.375

**VC GT-AL****VC GT-AP****VC MT**



**Characteristics:**

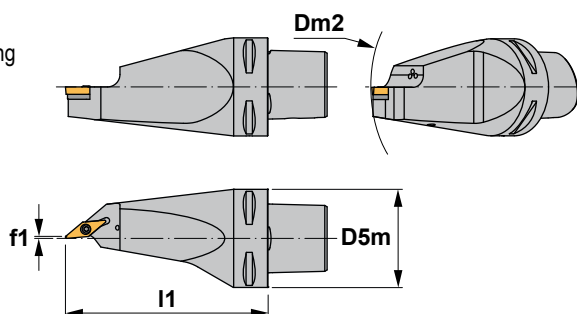
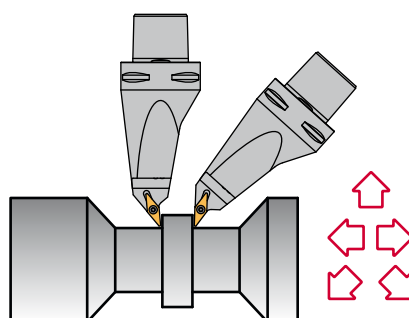
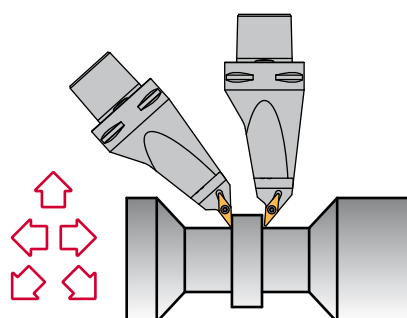
Toolholder for multi-task machining equipped with rhombic negative inserts (angle 35°).

PSC with internal coolant.

HP= High pressure coolant.

1)  $\gamma$ = Rake angle (valid with a flat insert).

2)  $\lambda_s$ = Angle of inclination.

**Main application****Alternative use**

## SVMB 50°

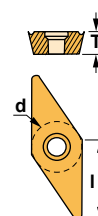
| Reference               | D5m   | Dm2<br>min. | f1    | l1    | $\gamma^{(1)}$ | $\lambda_s^{(2)}$ | Insert size |  lbs |
|-------------------------|-------|-------------|-------|-------|----------------|-------------------|-------------|-------------------------------------------------------------------------------------------|
| PSC63-SVMBR/L00130-16HP | 2.480 | 4.331       | 0.047 | 5.118 | 0°             | 0°                | VBMT33..    | 3.725                                                                                     |

| Reference               |  |  |  |  | Nm  |
|-------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC63-SVMBR/L00130-16HP | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |

**VBMT**

35° rhombic positive insert with 5° clearance.  A40

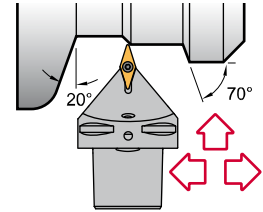
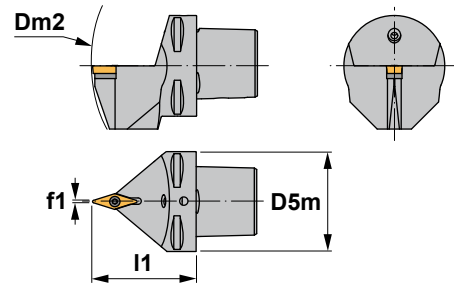
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| VBMT33..  | 0.650 | 0.187 | 0.375 |

**VBMT**

**Characteristics:**

Multipurpose profiling toolholder equipped with rhombic 5° positive insert (angle 35°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## SVVB 72° 30'

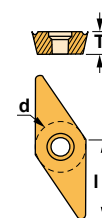
| Reference           | D5m   | Dm2 min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|---------------------|-------|----------|-------|-------|------------|---------------|-------------|-------|
| PSC40-SVVBN00050-16 | 1.575 | 5.512    | 0.024 | 1.969 | 0°         | 0°            | VBMT33..    | 0.770 |
| PSC50-SVVBN00060-16 | 1.969 | 6.496    | 0.024 | 2.362 | 0°         | 0°            | VBMT33..    | 1.655 |
| PSC63-SVVBN00065-16 | 2.480 | 7.480    | 0.024 | 2.559 | 0°         | 0°            | VBMT33..    | 2.360 |

| Reference           |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-SVVBN00050-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SVVBN00060-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC63-SVVBN00065-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |

**VBMT**

35° rhombic positive insert with 5° clearance. ⓘ A40

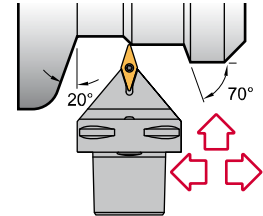
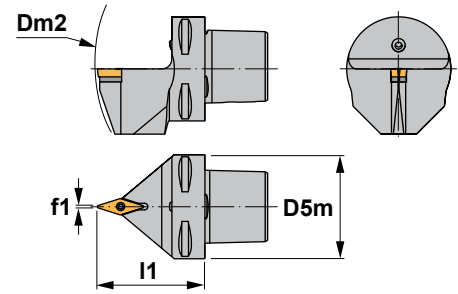
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| VBMT33..  | 0.650 | 0.187 | 0.375 |

**VBMT**

**Characteristics:**

Multipurpose profiling toolholder equipped with rhombic positive insert (angle 35°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## SVVC 72° 30'

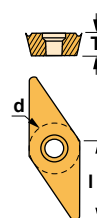
| Reference           | D5m   | Dm2<br>min. | f1    | l1    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|---------------------|-------|-------------|-------|-------|------------|---------------|-------------|-------|
| PSC32-SVVCN00040-11 | 1.260 | 4.882       | 0.012 | 1.575 | 0°         | 0°            | VC..22..    | 0.350 |
| PSC40-SVVCN00050-11 | 1.575 | 5.512       | 0.012 | 1.969 | 0°         | 0°            | VC..22..    | 0.770 |
| PSC40-SVVCN00050-16 | 1.575 | 5.512       | 0.024 | 1.969 | 0°         | 0°            | VC..33..    | 0.770 |
| PSC50-SVVCN00060-16 | 1.969 | 6.496       | 0.024 | 2.362 | 0°         | 0°            | VC..33..    | 1.655 |
| PSC63-SVVCN00065-16 | 2.480 | 7.480       | 0.024 | 2.559 | 0°         | 0°            | VC..33..    | 2.360 |

| Reference           |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SVVCN00040-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-SVVCN00050-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-SVVCN00050-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SVVCN00060-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |
| PSC63-SVVCN00065-16 | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |

**VC..**

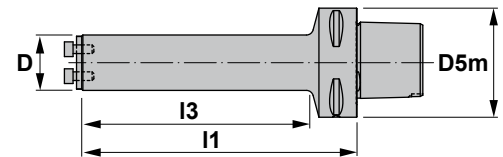
35° rhombic positive inserts with 7° clearance.  A40

| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| VC..22..  | 0.433 | 0.125 | 0.250 |
| VC..33..  | 0.650 | 0.187 | 0.375 |

**VC GT-AL****VC GT-AP****VC MT**



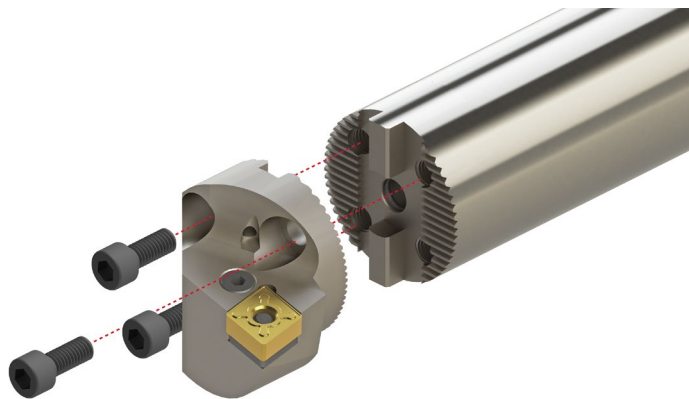
Characteristics:  
Antivibratory adaptor.



**J..**  

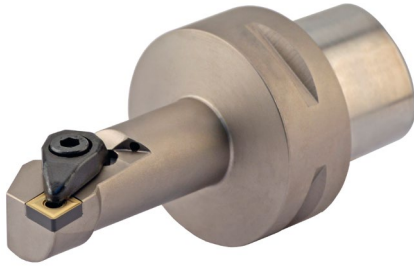
| Reference | D5m   | D     | I3     | I1     |  |
|-----------|-------|-------|--------|--------|-------------------------------------------------------------------------------------|
| PSC63-J25 | 2.480 | 0.984 | 4.055  | 5.196  | 2.865                                                                               |
| PSC63-J32 | 2.480 | 1.260 | 5.078  | 6.300  | 3.750                                                                               |
| PSC63-J40 | 2.480 | 1.575 | 6.653  | 7.795  | 5.070                                                                               |
| PSC63-J50 | 2.480 | 1.969 | 8.346  | 9.410  | 7.275                                                                               |
| PSC63-J60 | 2.480 | 2.362 | 10.354 | 11.300 | 13.010                                                                              |

| Reference |  |  | Nm  |
|-----------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|
| PSC63-J25 | 1924                                                                              | 5025                                                                                | 2.0 |
| PSC63-J32 | 1925                                                                              | 5003                                                                                | 3.0 |
| PSC63-J40 | 1926                                                                              | 5004                                                                                | 3.5 |
| PSC63-J50 | 1928                                                                              | 5005                                                                                | 4.0 |
| PSC63-J60 | 1928                                                                              | 5005                                                                                | 4.0 |



Boring heads for anti-vibration bars.  A176-183

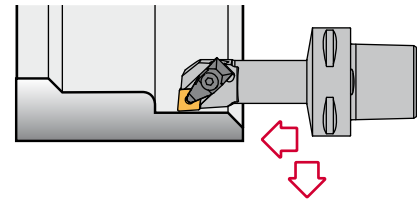
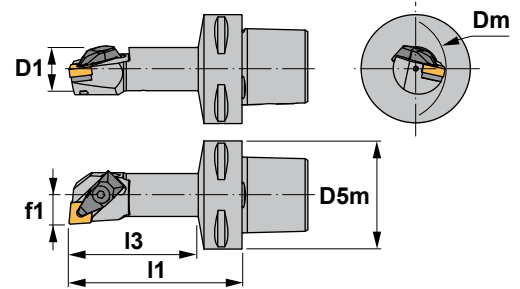
| MTUN 93°-N                                                                          | PCLN 95°-N                                                                          | PDUN 93°-N                                                                           | PWLN 95°-N                                                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |
| SCLC 95°-N                                                                          | SDUC 93°-N                                                                          | STFC 90°-N                                                                           | STXN 90°-N                                                                            |
|  |  |  |  |



#### Characteristics:

Boring bar for internal turning applications equipped with rhombic negative inserts (angle 80°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).
- 2)  $\lambda_s$  = Angle of inclination.



## DCLN 95°

| Reference             | Dm    | D1    | D5m   | f1    | I1    | I3    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-DCLNR/L13080-09 | 0.984 | 0.787 | 1.575 | 0.512 | 3.150 | 2.244 | -6°        | -14°          | CN..32..    | 0.880                                                                               |
| PSC50-DCLNR/L13080-09 | 0.984 | 0.787 | 1.969 | 0.512 | 3.150 | 2.205 | -6°        | -14°          | CN..32..    | 1.260                                                                               |
| PSC40-DCLNR/L17090-12 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.677 | -6°        | -12°          | CN..43..    | 1.060                                                                               |
| PSC50-DCLNR/L17090-12 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.598 | -6°        | -12°          | CN..43..    | 1.545                                                                               |
| PSC63-DCLNR/L17100-12 | 1.260 | 0.984 | 2.480 | 0.669 | 3.937 | 2.835 | -6°        | -12°          | CN..43..    | 2.205                                                                               |
| PSC63-DCLNR/L27140-16 | 1.969 | 1.575 | 2.480 | 1.063 | 5.512 | 4.488 | -6°        | -16°          | CN..54..    | 3.925                                                                               |

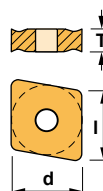
| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-DCLNR/L13080-09 | -                                                                                   | -                                                                                   | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DCLNR/L13080-09 | -                                                                                   | -                                                                                   | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC40-DCLNR/L17090-12 | 1766                                                                                | ICSN-422                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DCLNR/L17090-12 | 1766                                                                                | ICSN-422                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DCLNR/L17100-12 | 1766                                                                                | ICSN-422                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DCLNR/L27140-16 | 1768                                                                                | ICSN-533                                                                            | 2716                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

### CN..

80° rhombic negative inserts.  A24-26

#### Reference

| Reference | I     | T     | d     |
|-----------|-------|-------|-------|
| CN..32..  | 0.380 | 0.125 | 0.375 |
| CN..43..  | 0.508 | 0.187 | 0.500 |
| CN..54..  | 0.633 | 0.250 | 0.625 |



#### CNMG-CC CNMG-FC CNMG-FMC CNMG-KC CNMG-MC



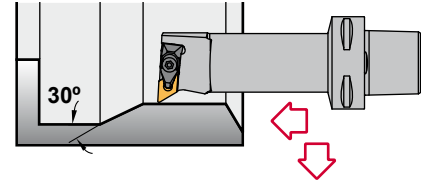
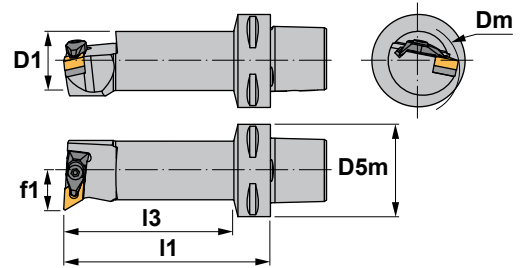
#### CNMG-MFC CNMG-MHC CNMG-RC CNMG-TC CNMM



**Characteristics:**

Boring bar for internal turning and profiling applications equipped with rhombic negative inserts (angle 55°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## DDUN 93°

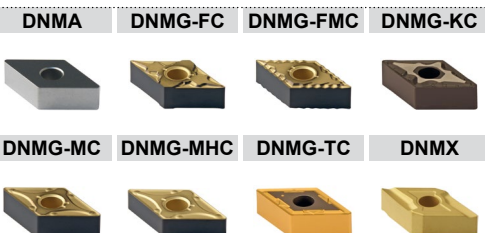
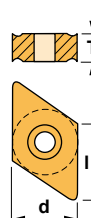
| Reference             | Dm    | D1    | D5m   | f1    | l1    | l3    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-DDUNR/L17090-11 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.677 | -6°        | -12°          | DN..33..    | 1.060                                                                               |
| PSC50-DDUNR/L17090-11 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.598 | -6°        | -12°          | DN..33..    | 1.545                                                                               |
| PSC40-DDUNR/L27080-15 | 1.969 | 1.562 | 1.575 | 1.063 | 3.150 | 2.323 | -6°        | -11°          | DN..44..    | 1.630                                                                               |
| PSC50-DDUNR/L27140-15 | 1.969 | 1.575 | 1.969 | 1.063 | 5.512 | 4.646 | -6°        | -11°          | DN..44..    | 3.240                                                                               |
| PSC63-DDUNR/L27140-15 | 1.969 | 1.575 | 2.480 | 1.063 | 5.512 | 4.488 | -6°        | -11°          | DN..44..    | 3.925                                                                               |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-DDUNR/L17090-11 | 1764                                                                                | IDSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DDUNR/L17090-11 | 1764                                                                                | IDSN-322                                                                            | 2708                                                                                | 1695                                                                                 | 4294                                                                                  | 5004                                                                                  | 3.5 |
| PSC40-DDUNR/L27080-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC50-DDUNR/L27140-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |
| PSC63-DDUNR/L27140-15 | 1766                                                                                | IDSN-432                                                                            | 2712                                                                                | 1696                                                                                 | 4295                                                                                  | 5004                                                                                  | 3.5 |

**DN..**

55° rhombic negative inserts.  A28-30

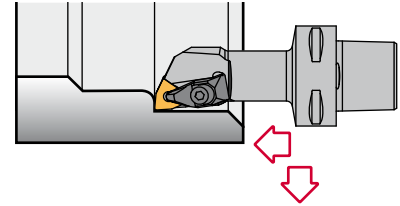
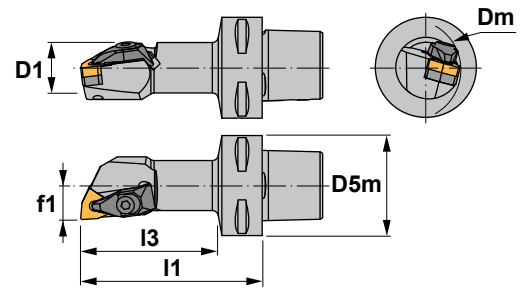
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| DN..33..  | 0.457 | 0.187 | 0.375 |
| DN..44..  | 0.610 | 0.250 | 0.500 |



**Characteristics:**

Multipurpose boring bar equipped with trigon negative double-sided insert (angle 80°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## DWLN 95°

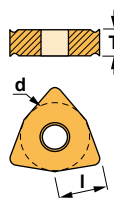
| Reference            | Dm    | D1    | D5m   | f1    | I1    | I3    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------|
| PSC40-DWLN/L13075-06 | 1.299 | 0.787 | 1.575 | 0.512 | 2.953 | 2.047 | -6°        | -17°          | WNMG33..    | 0.925 |
| PSC40-DWLN/L17090-08 | 1.378 | 0.984 | 1.575 | 0.669 | 3.543 | 2.677 | -6°        | -12°          | WNMG43..    | 1.060 |
| PSC50-DWLN/L17090-08 | 1.378 | 0.984 | 1.969 | 0.669 | 3.543 | 2.598 | -6°        | -12°          | WNMG43..    | 1.545 |

| Reference            |      |          |      |      |      |      | Nm  |
|----------------------|------|----------|------|------|------|------|-----|
| PSC40-DWLN/L13075-06 | 1764 | IWSN-322 | 2708 | 1695 | 4294 | 5004 | 3.5 |
| PSC40-DWLN/L17090-08 | 1766 | IWSN-433 | 2712 | 1696 | 4295 | 5004 | 3.5 |
| PSC50-DWLN/L17090-08 | 1766 | IWSN-433 | 2712 | 1696 | 4295 | 5004 | 3.5 |

**WNMG**

80° trigon negative inserts. A42-43

| Reference | I     | T     | d     |
|-----------|-------|-------|-------|
| WNMG33..  | 0.254 | 0.187 | 0.375 |
| WNMG43..  | 0.320 | 0.187 | 0.500 |



WNMG-FC WNMG-FMC WNMG-KC WNMG-MFC



WNMG-MC WNMG-MHC WNMG-TC

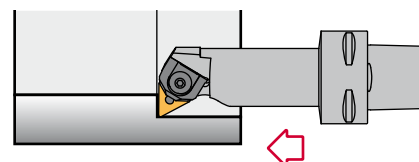
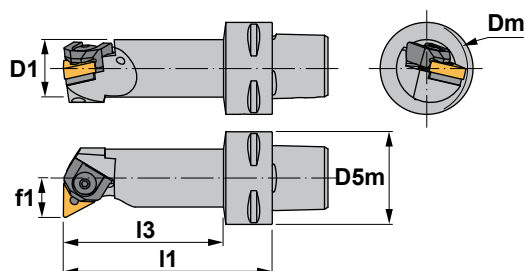




**Characteristics:**

Internal turning and profiling boring bar equipped with triangular negative double-sided insert.  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## MTFN 90°

| Reference             | Dm    | D1    | D5m   | f1    | l1    | l3    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-MTFNR/L17090-16 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | -6°        | -13°          | TNM..33..   | 1.060                                                                               |
| PSC40-MTFNR/L22110-16 | 1.575 | 1.260 | 1.575 | 0.866 | 4.331 | 3.504 | -6°        | -12°          | TNM..33..   | 1.655                                                                               |
| PSC40-MTFNR/L27120-16 | 1.969 | 1.575 | 1.575 | 1.063 | 4.724 | 3.937 | -6°        | -11°          | TNM..33..   | 2.490                                                                               |
| PSC50-MTFNR/L17090-16 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | -6°        | -13°          | TNM..33..   | 1.545                                                                               |
| PSC50-MTFNR/L22110-16 | 1.575 | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | -6°        | -12°          | TNM..33..   | 2.050                                                                               |
| PSC50-MTFNR/L27140-16 | 1.969 | 1.575 | 1.969 | 1.063 | 5.512 | 4.685 | -6°        | -11°          | TNM..33..   | 3.240                                                                               |
| PSC63-MTFNR/L22110-16 | 1.575 | 1.260 | 2.480 | 0.866 | 4.331 | 3.307 | -6°        | -12°          | TNM..33..   | 2.780                                                                               |
| PSC63-MTFNR/L27140-16 | 1.969 | 1.575 | 2.480 | 1.063 | 5.512 | 4.528 | -6°        | -11°          | TNM..33..   | 3.925                                                                               |

| Reference             |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-MTFNR/L17090-16 | 2017                                                                                | 1644                                                                                | 5025                                                                                | 3414                                                                                  | 1813                                                                                  | 2.0 |
| PSC40-MTFNR/L22110-16 | 2017                                                                                | 1644                                                                                | 5025                                                                                | 3414                                                                                  | 1393                                                                                  | 2.0 |
| PSC40-MTFNR/L27120-16 | 2017                                                                                | 1644                                                                                | 5025                                                                                | 3414                                                                                  | 1393                                                                                  | 2.0 |
| PSC50-MTFNR/L17090-16 | 2017                                                                                | 1644                                                                                | 5025                                                                                | 3414                                                                                  | 1393                                                                                  | 2.0 |
| PSC50-MTFNR/L22110-16 | 2017                                                                                | 1644                                                                                | 5025                                                                                | 3414                                                                                  | 1393                                                                                  | 2.0 |
| PSC50-MTFNR/L27140-16 | 2017                                                                                | 1644                                                                                | 5025                                                                                | 3414                                                                                  | 1393                                                                                  | 2.0 |
| PSC63-MTFNR/L22110-16 | 2017                                                                                | 1644                                                                                | 5025                                                                                | 3414                                                                                  | 1393                                                                                  | 2.0 |
| PSC63-MTFNR/L27140-16 | 2017                                                                                | 1644                                                                                | 5025                                                                                | 3414                                                                                  | 1393                                                                                  | 2.0 |

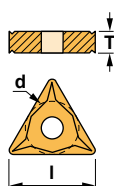
**TNM..**Triangular negative inserts.  A37-38**Reference****l****T****d**

TNM..33..

0.650

0.187

0.375



TNMA

TNMG-CC

TNMG-FC

TNMG-FMC

TNMG-KC



TNMG-MC

TNMG-MFC

TNMG-MHC

TNMG-TC

TNMX-R/L

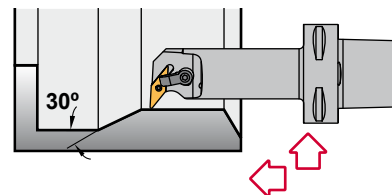
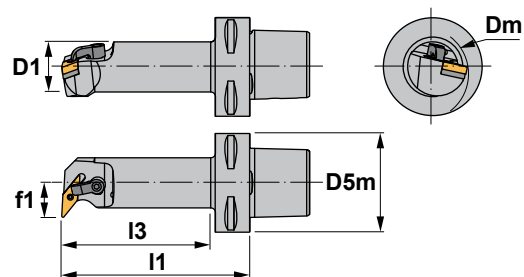


**Characteristics:**

Internal turning and profiling boring bar equipped with rhombic negative double-sided insert (angle 35°).

PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## MVUN 93°

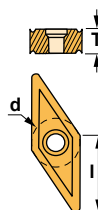
| Reference             | Dm    | D1    | D5m   | f1    | I1    | I3    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-MVUNR/L27120-16 | 1.969 | 1.575 | 1.575 | 1.063 | 4.724 | 3.937 | -6°        | -10°          | VN..33..    | 2.490                                                                               |
| PSC50-MVUNR/L27140-16 | 1.969 | 1.575 | 1.969 | 1.063 | 5.512 | 4.685 | -6°        | -10°          | VN..33..    | 3.240                                                                               |
| PSC50-MVUNR/L35150-16 | 2.480 | 1.969 | 1.969 | 1.378 | 5.906 | 5.157 | -6°        | -10°          | VN..33..    | 4.960                                                                               |
| PSC63-MVUNR/L22120-16 | 1.575 | 1.260 | 2.480 | 0.866 | 4.724 | 3.701 | -6°        | -12°          | VN..33..    | 2.820                                                                               |
| PSC63-MVUNR/L35175-16 | 2.480 | 1.969 | 2.480 | 1.378 | 6.890 | 5.984 | -6°        | -10°          | VN..33..    | 6.285                                                                               |

| Reference             |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-MVUNR/L27120-16 | 2614                                                                                | 5003                                                                                | IVSN-322                                                                            | 1086                                                                                 | 1665                                                                                  | 5002                                                                                  | 3.0 |
| PSC50-MVUNR/L27140-16 | 2614                                                                                | 5003                                                                                | IVSN-322                                                                            | 1086                                                                                 | 1665                                                                                  | 5002                                                                                  | 3.0 |
| PSC50-MVUNR/L35150-16 | 2614                                                                                | 5003                                                                                | IVSN-322                                                                            | 1086                                                                                 | 1665                                                                                  | 5002                                                                                  | 3.0 |
| PSC63-MVUNR/L22120-16 | 2614                                                                                | 5003                                                                                | IVSN-322                                                                            | 1186                                                                                 | 1665                                                                                  | 5002                                                                                  | 3.0 |
| PSC63-MVUNR/L35175-16 | 2614                                                                                | 5003                                                                                | IVSN-322                                                                            | 1086                                                                                 | 1665                                                                                  | 5002                                                                                  | 3.0 |

**VN..**

35° rhombic negative inserts.  A41

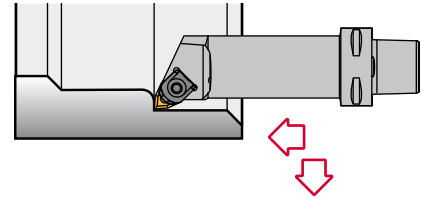
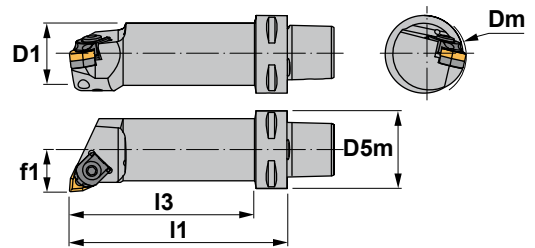
| Reference | I     | T     | d     |
|-----------|-------|-------|-------|
| VN..33..  | 0.650 | 0.187 | 0.375 |

**VNGP****VNMG****VNMG-TC**

**Characteristics:**

Multipurpose boring bar equipped with trigon negative double-sided insert (angle 80°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## MWLN 95°

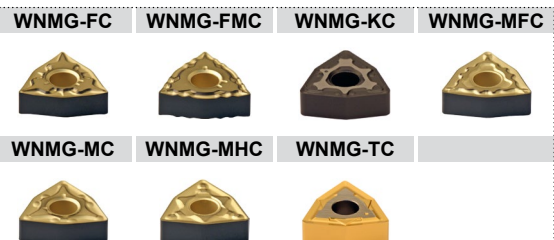
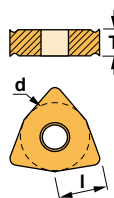
| Reference            | Dm    | D1    | D5m   | f1    | I1    | I3    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------|
| PSC32-MWLN/L13075-06 | 0.984 | 0.787 | 1.260 | 0.512 | 2.953 | 2.323 | -6°        | -14°          | WNMG33..    | 0.530 |
| PSC32-MWLN/L17090-06 | 1.260 | 0.984 | 1.260 | 0.669 | 3.543 | 2.953 | -6°        | -12°          | WNMG33..    | 0.795 |
| PSC40-MWLN/L13075-06 | 0.984 | 0.787 | 1.575 | 0.512 | 2.953 | 2.087 | -6°        | -14°          | WNMG33..    | 0.925 |
| PSC40-MWLN/L17090-06 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | -6°        | -12°          | WNMG33..    | 1.060 |
| PSC40-MWLN/L17090-08 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | -6°        | -14°          | WNMG43..    | 1.060 |
| PSC40-MWLN/L22110-08 | 1.575 | 1.260 | 1.575 | 0.866 | 4.331 | 3.504 | -6°        | -14°          | WNMG43..    | 1.655 |
| PSC40-MWLN/L27120-08 | 1.969 | 1.575 | 1.575 | 1.063 | 4.724 | 3.937 | -6°        | -12°          | WNMG43..    | 2.490 |
| PSC50-MWLN/L17090-08 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | -6°        | -14°          | WNMG43..    | 1.545 |
| PSC50-MWLN/L22110-08 | 1.575 | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | -6°        | -14°          | WNMG43..    | 2.050 |
| PSC50-MWLN/L27140-08 | 1.969 | 1.575 | 1.969 | 1.063 | 5.512 | 4.685 | -6°        | -12°          | WNMG43..    | 3.240 |

| Reference            |      |      |          |      |      | Nm  |
|----------------------|------|------|----------|------|------|-----|
| PSC32-MWLN/L13075-06 | 2006 | 5025 | -        | 1643 | 1813 | 2.0 |
| PSC32-MWLN/L17090-06 | 2006 | 5025 | 3006     | 1644 | 1813 | 2.0 |
| PSC40-MWLN/L13075-06 | 2006 | 5025 | -        | 1643 | 1813 | 2.0 |
| PSC40-MWLN/L17090-06 | 2006 | 5025 | 3006     | 1644 | 1813 | 2.0 |
| PSC40-MWLN/L17090-08 | 2011 | 5005 | -        | 1647 | 1814 | 4.0 |
| PSC40-MWLN/L22110-08 | 2011 | 5005 | IWSN-433 | 1661 | 1814 | 4.0 |
| PSC40-MWLN/L27120-08 | 2011 | 5005 | IWSN-433 | 1661 | 1814 | 4.0 |
| PSC50-MWLN/L17090-08 | 2011 | 5005 | -        | 1647 | 1814 | 4.0 |
| PSC50-MWLN/L22110-08 | 2011 | 5005 | IWSN-433 | 1661 | 1814 | 4.0 |
| PSC50-MWLN/L27140-08 | 2011 | 5005 | IWSN-433 | 1661 | 1814 | 4.0 |

**WNMG**

80° trigon negative inserts. A42-43

| Reference | I     | T     | d     |
|-----------|-------|-------|-------|
| WNMG33..  | 0.254 | 0.187 | 0.375 |
| WNMG43..  | 0.320 | 0.187 | 0.500 |

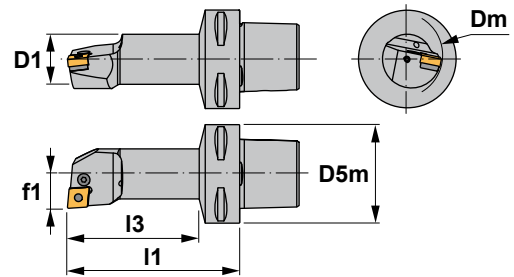
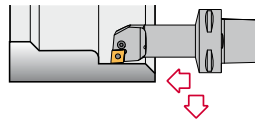




## PCLN 95°

Characteristics: Boring bar for internal turning applications equipped with rhombic negative inserts (angle 80°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle (valid with a flat insert).
- 2)  $\lambda_s$  = Angle of inclination.



| Reference             | Dm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D1    | D5m   | f1    | I1    | I3    | $\gamma^{(1)}$ | $\lambda_s^{(2)}$ | Insert size |  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|----------------|-------------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-PCLNR/L13080-09 | 0.984                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.787 | 1.575 | 0.512 | 3.150 | 2.283 | -6°            | -11°              | CN..32..    | 0.880                                                                               |
| PSC50-PCLNR/L13080-09 | 0.984                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.787 | 1.969 | 0.512 | 3.150 | 2.205 | -6°            | -11°              | CN..32..    | 1.260                                                                               |
| PSC32-PCLNR/L17090-12 | 1.260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.984 | 1.260 | 0.669 | 3.543 | 2.953 | -6°            | -11°              | CN..43..    | 0.795                                                                               |
| PSC32-PCLNR/L22064-12 | 1.575                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.260 | 1.260 | 0.866 | 2.520 | 1.969 | -6°            | -11°              | CN..43..    | 0.770                                                                               |
| PSC32-PCLNR/L22096-12 | 1.575                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.260 | 1.260 | 0.866 | 3.780 | 3.228 | -6°            | -11°              | CN..43..    | 1.215                                                                               |
| PSC40-PCLNR/L17090-12 | 1.260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | -6°            | -11°              | CN..43..    | 1.060                                                                               |
| PSC40-PCLNR/L22110-12 | 1.575                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.260 | 1.575 | 0.866 | 4.331 | 3.504 | -6°            | -11°              | CN..43..    | 1.655                                                                               |
| PSC40-PCLNR/L27080-12 | 1.969                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.575 | 1.575 | 1.063 | 3.150 | 2.362 | -6°            | -10°              | CN..43..    | 1.630                                                                               |
| PSC40-PCLNR/L27120-12 | 1.969                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.575 | 1.575 | 1.063 | 4.724 | 3.937 | -6°            | -11°              | CN..43..    | 2.490                                                                               |
| PSC50-PCLNR/L17090-12 | 1.260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | -6°            | -11°              | CN..43..    | 1.545                                                                               |
| PSC50-PCLNR/L22110-12 | 1.575                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | -6°            | -11°              | CN..43..    | 2.050                                                                               |
| PSC50-PCLNR/L27140-12 | 1.969                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.575 | 1.969 | 1.063 | 5.512 | 4.685 | -6°            | -10°              | CN..43..    | 3.240                                                                               |
| PSC50-PCLNR/L35100-12 | 2.480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.969 | 1.969 | 1.378 | 3.937 | 3.189 | -6°            | -7°               | CN..43..    | 3.265                                                                               |
| PSC63-PCLNR/L17100-12 | 1.260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.984 | 2.480 | 0.669 | 3.937 | 2.913 | -6°            | -11°              | CN..43..    | 2.205                                                                               |
| PSC63-PCLNR/L22110-12 | 1.575                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.260 | 2.480 | 0.866 | 4.331 | 3.307 | -6°            | -11°              | CN..43..    | 2.780                                                                               |
| PSC50-PCLNR/L35150-16 | 2.480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.969 | 1.969 | 1.378 | 5.906 | 5.157 | -6°            | -11°              | CN..54..    | 4.960                                                                               |
| PSC63-PCLNR/L27140-16 | 1.969                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.575 | 2.480 | 1.063 | 5.512 | 4.528 | -6°            | -11°              | CN..54..    | 3.925                                                                               |
| PSC63-PCLNR/L35175-16 | 2.480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.969 | 2.480 | 1.378 | 6.890 | 5.984 | -6°            | -11°              | CN..54..    | 6.285                                                                               |
| Reference             |       |       |       |       |       |       |                |                   | Nm          |                                                                                     |
| PSC40-PCLNR/L13080-09 | 8005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1605  | 5002  |       | -     | -              | -                 | 1.4         |                                                                                     |
| PSC50-PCLNR/L13080-09 | 8005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1605  | 5002  |       | -     | -              | -                 | 1.4         |                                                                                     |
| PSC32-PCLNR/L17090-12 | 8212                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1626  | 5025  |       | -     | -              | -                 | 2.0         |                                                                                     |
| PSC32-PCLNR/L22064-12 | 8312                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1648  | 5003  | 3612  | 4112  | 0012           |                   | 3.0         |                                                                                     |
| PSC32-PCLNR/L22096-12 | 8312                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1648  | 5003  | 3612  | 4112  | 0012           |                   | 3.0         |                                                                                     |
| PSC40-PCLNR/L17090-12 | 8212                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1626  | 5025  | -     | -     | -              |                   | 2.0         |                                                                                     |
| PSC40-PCLNR/L22110-12 | 8312                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1648  | 5003  | 3612  | 4112  | 0012           |                   | 3.0         |                                                                                     |
| PSC40-PCLNR/L27080-12 | 8012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1608  | 5003  | 3612  | 4112  | 0012           |                   | 3.0         |                                                                                     |
| PSC40-PCLNR/L27120-12 | 8012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1608  | 5003  | 3612  | 4112  | 0012           |                   | 3.0         |                                                                                     |
| PSC50-PCLNR/L17090-12 | 8212                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1626  | 5025  | -     | -     | -              |                   | 2.0         |                                                                                     |
| PSC50-PCLNR/L22110-12 | 8312                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1648  | 5003  | 3612  | 4112  | 0012           |                   | 3.0         |                                                                                     |
| PSC50-PCLNR/L27140-12 | 8012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1608  | 5003  | 3612  | 4112  | 0012           |                   | 3.0         |                                                                                     |
| PSC50-PCLNR/L35100-12 | 8012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1608  | 5003  | 3612  | 4112  | 0012           |                   | 3.0         |                                                                                     |
| PSC63-PCLNR/L17100-12 | 8212                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1626  | 5025  | -     | -     | -              |                   | 2.0         |                                                                                     |
| PSC63-PCLNR/L22110-12 | 8312                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1648  | 5003  | 3612  | 4112  | 0012           |                   | 3.0         |                                                                                     |
| PSC50-PCLNR/L35150-16 | 8016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1618  | 5003  | 3616  | 4115  | 0015           |                   | 3.0         |                                                                                     |
| PSC63-PCLNR/L27140-16 | 8016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1618  | 5003  | 3616  | 4115  | 0015           |                   | 3.0         |                                                                                     |
| PSC63-PCLNR/L35175-16 | 8016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 1618  | 5003  | 3616  | 4115  | 0015           |                   | 3.0         |                                                                                     |

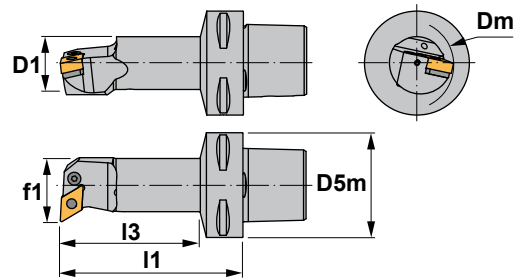
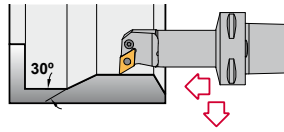
CN..

80° rhombic negative inserts.  A24-26

**Characteristics:**

Boring bar for internal turning and profiling applications equipped with rhombic negative inserts (angle 55°). PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda s$  = Angle of inclination.



# PDUN 93°

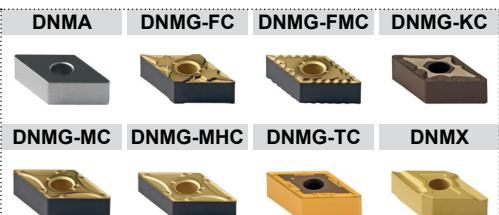
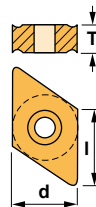
| Reference             | Dm    | D1    | D5m   | f1    | I1    | I3    | $\gamma^1$ | $\lambda s^2$ | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-PDUNR/L17090-11 | 1.260 | 0.984 | 1.260 | 0.669 | 3.543 | 2.953 | -6°        | -11°          | DN..33..    | 0.795                                                                               |
| PSC40-PDUNR/L17090-11 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | -6°        | -11°          | DN..33..    | 1.060                                                                               |
| PSC40-PDUNR/L22110-11 | 1.575 | 1.260 | 1.575 | 0.866 | 4.331 | 3.504 | -6°        | -10°          | DN..33..    | 1.655                                                                               |
| PSC50-PDUNR/L17090-11 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | -6°        | -11°          | DN..33..    | 1.545                                                                               |
| PSC50-PDUNR/L22110-11 | 1.575 | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | -6°        | -10°          | DN..33..    | 2.050                                                                               |
| PSC63-PDUNR/L17100-11 | 1.260 | 0.984 | 2.480 | 0.669 | 3.937 | 2.913 | -6°        | -11°          | DN..33..    | 2.205                                                                               |
| PSC40-PDUNR/L27080-15 | 1.969 | 1.575 | 1.575 | 1.063 | 3.150 | 2.362 | -6°        | -11°          | DN..44..    | 1.630                                                                               |
| PSC40-PDUNR/L27120-15 | 1.969 | 1.575 | 1.575 | 1.063 | 4.724 | 3.937 | -6°        | -11°          | DN..44..    | 2.490                                                                               |
| PSC50-PDUNR/L27140-15 | 1.969 | 1.575 | 1.969 | 1.063 | 5.512 | 4.685 | -6°        | -11°          | DN..44..    | 3.240                                                                               |
| PSC50-PDUNR/L35100-15 | 2.480 | 1.969 | 1.969 | 1.378 | 3.937 | 3.189 | -6°        | -10°          | DN..44..    | 3.265                                                                               |
| PSC50-PDUNR/L35150-15 | 2.480 | 1.969 | 1.969 | 1.378 | 5.906 | 5.157 | -6°        | -10°          | DN..44..    | 4.960                                                                               |
| PSC63-PDUNR/L22110-15 | 1.575 | 1.260 | 2.480 | 0.866 | 4.331 | 3.307 | -6°        | -12°          | DN..44..    | 2.780                                                                               |
| PSC63-PDUNR/L27140-15 | 1.969 | 1.575 | 2.480 | 1.063 | 5.512 | 4.528 | -6°        | -11°          | DN..44..    | 3.925                                                                               |
| PSC63-PDUNR/L35175-15 | 2.480 | 1.969 | 2.480 | 1.378 | 6.890 | 5.984 | -6°        | -10°          | DN..44..    | 6.285                                                                               |

| Reference             |  |  |  |  |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-PDUNR/L17090-11 | 8009                                                                                | 1606                                                                                | 5025                                                                                | 3711                                                                                | 4109                                                                                | 0009                                                                                 | 3725                                                                                  | 4135                                                                                  | 2.0 |
| PSC40-PDUNR/L17090-11 | 8009                                                                                | 1606                                                                                | 5025                                                                                | 3711                                                                                | 4109                                                                                | 0009                                                                                 | 3725                                                                                  | 4135                                                                                  | 2.0 |
| PSC40-PDUNR/L22110-11 | 8009                                                                                | 1606                                                                                | 5025                                                                                | 3711                                                                                | 4109                                                                                | 0009                                                                                 | 3725                                                                                  | 4135                                                                                  | 2.0 |
| PSC50-PDUNR/L17090-11 | 8009                                                                                | 1606                                                                                | 5025                                                                                | 3711                                                                                | 4109                                                                                | 0009                                                                                 | 3725                                                                                  | 4135                                                                                  | 2.0 |
| PSC50-PDUNR/L22110-11 | 8009                                                                                | 1606                                                                                | 5025                                                                                | 3711                                                                                | 4109                                                                                | 0009                                                                                 | 3725                                                                                  | 4135                                                                                  | 2.0 |
| PSC63-PDUNR/L17100-11 | 8009                                                                                | 1606                                                                                | 5025                                                                                | 3711                                                                                | 4109                                                                                | 0009                                                                                 | 3725                                                                                  | 4135                                                                                  | 2.0 |
| PSC40-PDUNR/L27080-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC40-PDUNR/L27120-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC50-PDUNR/L27140-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC50-PDUNR/L35100-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC50-PDUNR/L35150-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC63-PDUNR/L22110-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC63-PDUNR/L27140-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |
| PSC63-PDUNR/L35175-15 | 8415                                                                                | 1638                                                                                | 5003                                                                                | 3715                                                                                | 4112                                                                                | 0012                                                                                 | 3725                                                                                  | 4135                                                                                  | 3.0 |

For DN..43.. inserts

**DN..**55° rhombic negative inserts.  A28-30

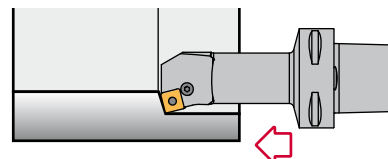
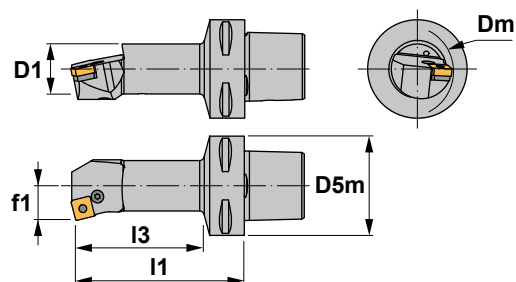
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| DN..33..  | 0.457 | 0.187 | 0.375 |
| DN..43..  | 0.610 | 0.187 | 0.500 |
| DN..44..  | 0.610 | 0.250 | 0.500 |



**Characteristics:**

Boring bar for internal turning applications equipped with square negative inserts.  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## PSKN 75°

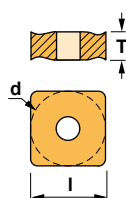
| Reference             | Dm    | D1    | D5m   | f1    | l1    | l3    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------|
| PSC40-PSKNR/L17090-12 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | -6°        | -11°          | SNM..43..   | 1.060 |
| PSC50-PSKNR/L17090-12 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | -6°        | -11°          | SNM..43..   | 1.545 |
| PSC50-PSKNR/L22110-12 | 1.575 | 1.260 | 1.969 | 0.866 | 4.331 | 2.677 | -6°        | -10°          | SNM..43..   | 2.050 |
| PSC50-PSKNR/L27140-12 | 1.969 | 1.575 | 1.969 | 1.063 | 5.512 | 4.685 | -6°        | -10°          | SNM..43..   | 3.240 |
| PSC63-PSKNR/L22110-12 | 1.575 | 1.260 | 2.480 | 0.866 | 4.331 | 3.307 | -6°        | -10°          | SNM..43..   | 2.780 |

| Reference             |      |      |      |      |      |      | Nm  |
|-----------------------|------|------|------|------|------|------|-----|
| PSC40-PSKNR/L17090-12 | 8212 | 1626 | 5025 | -    | -    | -    | 2.0 |
| PSC50-PSKNR/L17090-12 | 8212 | 1626 | 5025 | -    | -    | -    | 2.0 |
| PSC50-PSKNR/L22110-12 | 8312 | 1648 | 5003 | 3512 | 4112 | 0012 | 3.0 |
| PSC50-PSKNR/L27140-12 | 8012 | 1608 | 5003 | 3512 | 4112 | 0012 | 3.0 |
| PSC63-PSKNR/L22110-12 | 8012 | 1608 | 5003 | 3512 | 4112 | 0012 | 3.0 |

**SNM..**

Square negative inserts. A33-34

| Reference | I     | T     | d     |
|-----------|-------|-------|-------|
| SNM..43.. | 0.500 | 0.187 | 0.500 |

**SNMG-FMC****SNMG-KC****SNMG-MHC****SNMG-RC****SNMG-TC****SNMM**





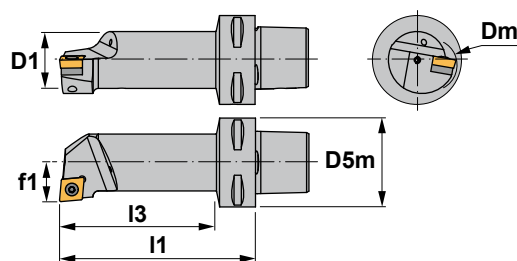
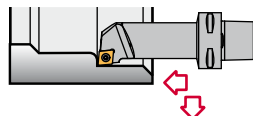
## SCLC 95°

### Characteristics:

Multipurpose boring bar equipped with rhombic positive insert (angle 80°). PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



| Reference             | Dm    | D1    | D5m   | f1    | I1    | I3    | $\gamma^{1)}$ | $\lambda_s^{2)}$ | Insert size | lbs   |
|-----------------------|-------|-------|-------|-------|-------|-------|---------------|------------------|-------------|-------|
| PSC32-SCLCR/L11065-09 | 0.787 | 0.630 | 1.260 | 0.433 | 2.559 | 1.890 | 0°            | -12°             | CC..32.5..  | 0.400 |
| PSC32-SCLCR/L13075-09 | 0.984 | 0.787 | 1.260 | 0.512 | 2.953 | 2.323 | 0°            | -8°              | CC..32.5..  | 0.530 |
| PSC32-SCLCR/L17090-09 | 1.260 | 0.984 | 1.260 | 0.669 | 3.543 | 2.953 | 0°            | -6°              | CC..32.5..  | 0.795 |
| PSC40-SCLCR/L11070-09 | 0.787 | 0.630 | 1.575 | 0.433 | 2.756 | 1.850 | 0°            | -12°             | CC..32.5..  | 0.730 |
| PSC40-SCLCR/L13080-09 | 0.984 | 0.787 | 1.575 | 0.512 | 3.150 | 2.283 | 0°            | -8°              | CC..32.5..  | 0.880 |
| PSC40-SCLCR/L17090-09 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | 0°            | -6°              | CC..32.5..  | 1.060 |
| PSC40-SCLCR/L27080-09 | 1.969 | 1.562 | 1.575 | 1.063 | 3.150 | 2.362 | 0°            | -6°              | CC..32.5..  | 1.630 |
| PSC50-SCLCR/L11070-09 | 0.787 | 0.630 | 1.969 | 0.433 | 2.756 | 1.811 | 0°            | -12°             | CC..32.5..  | 1.100 |
| PSC50-SCLCR/L13080-09 | 0.984 | 0.787 | 1.969 | 0.512 | 3.150 | 2.205 | 0°            | -8°              | CC..32.5..  | 1.260 |
| PSC50-SCLCR/L17090-09 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | 0°            | -6°              | CC..32.5..  | 1.545 |
| PSC50-SCLCR/L35100-09 | 2.480 | 1.956 | 1.969 | 1.378 | 3.937 | 3.189 | 0°            | -4°              | CC..32.5..  | 3.265 |
| PSC32-SCLCR/L17090-12 | 1.260 | 0.984 | 1.260 | 0.669 | 3.543 | 2.953 | 0°            | -6°              | CC..43..    | 0.795 |
| PSC32-SCLCR/L22064-12 | 1.575 | 1.248 | 1.260 | 0.866 | 2.520 | 1.969 | 0°            | -10°             | CC..43..    | 0.770 |
| PSC32-SCLCR/L22096-12 | 1.575 | 1.366 | 1.260 | 0.866 | 3.780 | 3.228 | 0°            | -10°             | CC..43..    | 1.215 |
| PSC40-SCLCR/L17090-12 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | 0°            | -6°              | CC..43..    | 1.060 |
| PSC40-SCLCR/L22110-12 | 1.575 | 1.260 | 1.575 | 0.866 | 4.331 | 3.504 | 0°            | -10°             | CC..43..    | 1.655 |
| PSC40-SCLCR/L27080-12 | 1.969 | 1.562 | 1.575 | 1.063 | 3.150 | 2.362 | 0°            | -8°              | CC..43..    | 1.630 |
| PSC50-SCLCR/L17090-12 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | 0°            | -6°              | CC..43..    | 1.545 |
| PSC50-SCLCR/L22110-12 | 1.575 | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | 0°            | -10°             | CC..43..    | 2.050 |
| PSC50-SCLCR/L27140-12 | 1.969 | 1.575 | 1.969 | 1.063 | 5.512 | 4.685 | 0°            | -8°              | CC..43..    | 3.240 |
| PSC50-SCLCR/L35100-12 | 2.480 | 1.956 | 1.969 | 1.378 | 3.937 | 3.150 | 0°            | -5°              | CC..43..    | 3.265 |

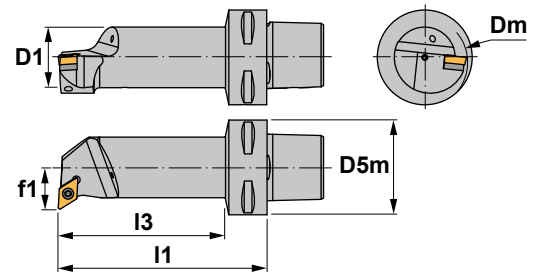
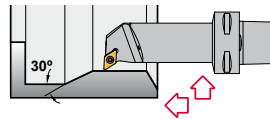
| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SCLCR/L.....-09 | 1440                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC40-SCLCR/L.....-09 | 1440                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC40-SCLCR/L17090-09 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC40-SCLCR/L27080-09 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC50-SCLCR/L.....-09 | 1440                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC50-SCLCR/L17090-09 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC50-SCLCR/L35100-09 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC32-SCLCR/L17090-12 | 1250                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC32-SCLCR/L22064-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |
| PSC32-SCLCR/L22096-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |
| PSC40-SCLCR/L17090-12 | 1250                                                                                | 5520                                                                                | -                                                                                    | -                                                                                     | 4.0 |
| PSC40-SCLCR/L22110-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |
| PSC40-SCLCR/L27080-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |
| PSC50-SCLCR/L17090-12 | 1250                                                                                | 5520                                                                                | -                                                                                    | -                                                                                     | 4.0 |
| PSC50-SCLCR/L22110-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |
| PSC50-SCLCR/L27140-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |
| PSC50-SCLCR/L35100-12 | 1540                                                                                | 5517                                                                                | 3614                                                                                 | 1760                                                                                  | 3.0 |



**Characteristics:**

Multipurpose profiling boring bar equipped with rhombic positive insert (angle 55°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## SDUC 93°



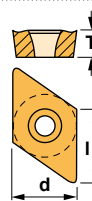
| Reference             | Dm    | D1    | D5m   | f1    | I1    | I3    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-SDUCR/L11065-07 | 0.787 | 0.630 | 1.260 | 0.433 | 2.559 | 1.890 | 0°         | -6°           | DC..21.5..  | 0.400                                                                               |
| PSC40-SDUCR/L11070-07 | 0.787 | 0.630 | 1.575 | 0.433 | 2.756 | 1.850 | 0°         | -8°           | DC..21.5..  | 0.730                                                                               |
| PSC50-SDUCR/L11070-07 | 0.787 | 0.630 | 1.969 | 0.433 | 2.756 | 1.811 | 0°         | -8°           | DC..21.5..  | 1.100                                                                               |
| PSC32-SDUCR/L13075-11 | 0.984 | 0.787 | 1.260 | 0.512 | 2.953 | 2.323 | 0°         | -6°           | DC..32.5..  | 0.530                                                                               |
| PSC32-SDUCR/L17090-11 | 1.260 | 0.984 | 1.260 | 0.669 | 3.543 | 2.953 | 0°         | -6°           | DC..32.5..  | 0.795                                                                               |
| PSC32-SDUCR/L22064-11 | 1.575 | 1.248 | 1.260 | 0.866 | 2.520 | 1.969 | 0°         | -6°           | DC..32.5..  | 0.770                                                                               |
| PSC32-SDUCR/L22096-11 | 1.575 | 1.248 | 1.260 | 0.866 | 3.780 | 3.228 | 0°         | -6°           | DC..32.5..  | 1.215                                                                               |
| PSC40-SDUCR/L13080-11 | 0.984 | 0.787 | 1.575 | 0.512 | 3.150 | 2.283 | 0°         | -6°           | DC..32.5..  | 0.880                                                                               |
| PSC40-SDUCR/L17090-11 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | 0°         | -6°           | DC..32.5..  | 1.060                                                                               |
| PSC40-SDUCR/L22110-11 | 1.575 | 1.260 | 1.575 | 0.866 | 4.331 | 3.504 | 0°         | -6°           | DC..32.5..  | 1.655                                                                               |
| PSC40-SDUCR/L27080-11 | 1.969 | 1.575 | 1.575 | 1.063 | 3.150 | 2.362 | 0°         | -6°           | DC..32.5..  | 1.630                                                                               |
| PSC50-SDUCR/L13080-11 | 0.984 | 0.787 | 1.969 | 0.512 | 3.150 | 2.205 | 0°         | -6°           | DC..32.5..  | 1.260                                                                               |
| PSC50-SDUCR/L17090-11 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | 0°         | -6°           | DC..32.5..  | 1.545                                                                               |
| PSC50-SDUCR/L22110-11 | 1.575 | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | 0°         | -6°           | DC..32.5..  | 2.050                                                                               |
| PSC50-SDUCR/L35100-11 | 2.480 | 1.956 | 1.969 | 1.378 | 3.937 | 3.189 | 0°         | -4°           | DC..32.5..  | 3.265                                                                               |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SDUCR/L11065-07 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-SDUCR/L11070-07 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC50-SDUCR/L11070-07 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC32-SDUCR/L13075-11 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC32-SDUCR/L17090-11 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC32-SDUCR/L22064-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC32-SDUCR/L22096-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC40-SDUCR/L13080-11 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC40-SDUCR/L17090-11 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC40-SDUCR/L22110-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC40-SDUCR/L27080-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SDUCR/L13080-11 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC50-SDUCR/L17090-11 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC50-SDUCR/L22110-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-SDUCR/L35100-11 | 1335                                                                                | 5516                                                                                | 3714                                                                                 | 1750                                                                                  | 3.0 |

**DC..**

55° rhombic positive inserts with 7° clearance.  A27

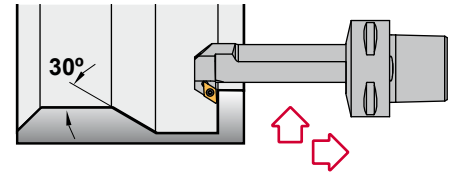
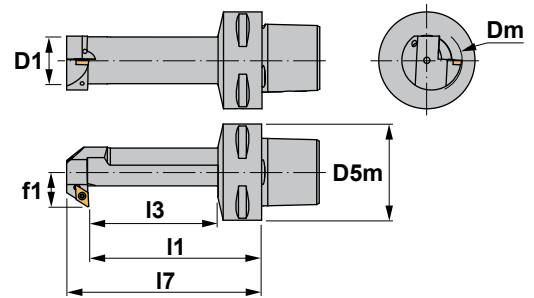
| Reference  | I     | T     | d     |
|------------|-------|-------|-------|
| DC..21.5.. | 0.305 | 0.093 | 0.250 |
| DC..32.5.. | 0.456 | 0.156 | 0.375 |

**DCGT-AL****DCGT-AP****DCMT****DCMW**

**Characteristics:**

Backwards multipurpose profiling boring bar equipped with rhombic positive insert (angle 55°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## SDUC-X 93°

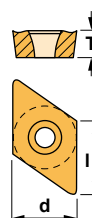
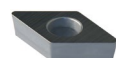
| Reference              | Dm    | D1    | D5m   | f1    | l1    | l3    | l7    | $\gamma^1$ $\lambda_s^2$ | Insert size |  |
|------------------------|-------|-------|-------|-------|-------|-------|-------|--------------------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-SDUCR/L13070-07X | 0.866 | 0.630 | 1.260 | 0.512 | 2.756 | 2.126 | 3.177 | 0° -6°                   | DC..21.5..  | 0.460                                                                               |
| PSC32-SDUCR/L15080-07X | 1.063 | 0.787 | 1.260 | 0.591 | 3.150 | 2.520 | 3.177 | 0° -3°                   | DC..21.5..  | 0.615                                                                               |
| PSC40-SDUCR/L13070-07X | 0.866 | 0.630 | 1.575 | 0.512 | 2.756 | 1.890 | 3.177 | 0° -6°                   | DC..21.5..  | 0.730                                                                               |
| PSC40-SDUCR/L15080-07X | 1.063 | 0.787 | 1.575 | 0.591 | 3.150 | 2.283 | 3.602 | 0° -3°                   | DC..21.5..  | 0.880                                                                               |
| PSC40-SDUCR/L18090-07X | 1.260 | 0.984 | 1.575 | 0.709 | 3.543 | 2.717 | 3.996 | 0° -3°                   | DC..21.5..  | 1.060                                                                               |
| PSC50-SDUCR/L15080-07X | 1.063 | 0.787 | 1.969 | 0.591 | 3.150 | 2.244 | 3.602 | 0° -3°                   | DC..21.5..  | 1.280                                                                               |
| PSC50-SDUCR/L18090-07X | 1.260 | 0.984 | 1.969 | 0.709 | 3.543 | 2.638 | 3.996 | 0° -3°                   | DC..21.5..  | 1.480                                                                               |

| Reference              |  |  | Nm  |
|------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SDUCR/L13070-07X | 1225                                                                                | 5507                                                                                  | 0.9 |
| PSC32-SDUCR/L15080-07X | 1225                                                                                | 5507                                                                                  | 0.9 |
| PSC40-SDUCR/L13070-07X | 1225                                                                                | 5507                                                                                  | 0.9 |
| PSC40-SDUCR/L15080-07X | 1225                                                                                | 5507                                                                                  | 0.9 |
| PSC40-SDUCR/L18090-07X | 1225                                                                                | 5507                                                                                  | 0.9 |
| PSC50-SDUCR/L15080-07X | 1225                                                                                | 5507                                                                                  | 0.9 |
| PSC50-SDUCR/L18090-07X | 1225                                                                                | 5507                                                                                  | 0.9 |

**DC..**

55° rhombic positive inserts with 7° clearance.  A27

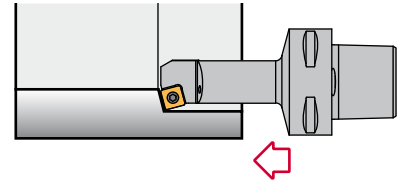
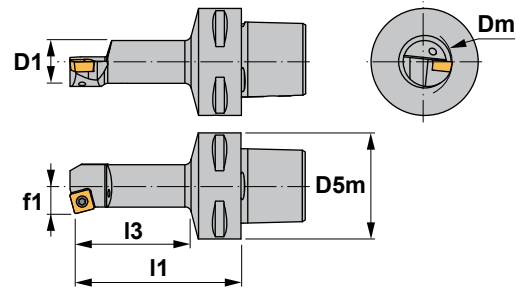
| Reference  | l     | T     | d     |
|------------|-------|-------|-------|
| DC..21.5.. | 0.305 | 0.093 | 0.250 |

**DCGT-AL****DCGT-AP****DCMT****DCMW**

**Characteristics:**

Multipurpose boring bar equipped with square positive insert.  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## SSKC 75°

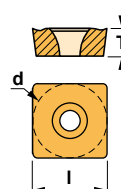
| Reference             | Dm    | D1    | D5m   | f1    | I1    | I3    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC40-SSKCR/L13080-09 | 0.984 | 0.787 | 1.575 | 0.512 | 3.150 | 2.283 | 0°         | -6°           | SC..32.5..  | 0.880                                                                               |
| PSC50-SSKCR/L13080-09 | 0.984 | 0.787 | 1.969 | 0.512 | 3.150 | 2.205 | 0°         | -6°           | SC..32.5..  | 1.260                                                                               |

| Reference             |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-SSKCR/L13080-09 | 1540                                                                                | 5517                                                                                  | 3.0 |
| PSC50-SSKCR/L13080-09 | 1540                                                                                | 5517                                                                                  | 3.0 |

**SC..**

Square positive inserts with 7° clearance.  A32

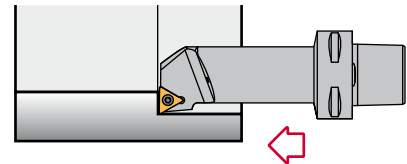
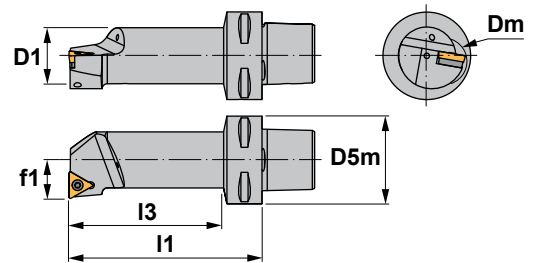
| Reference  | I     | T     | d     |
|------------|-------|-------|-------|
| SC..32.5.. | 0.375 | 0.156 | 0.375 |

**SCGT-AL****SCMT****SCMT-39**

**Characteristics:**

Multipurpose boring bar equipped with triangular positive insert.  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## STFC 90°

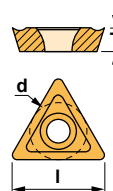
| Reference             | Dm    | D1    | D5m   | f1    | I1    | I3    | $\gamma^1$ | $\lambda_s^2$ | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-STFCR/L11065-11 | 0.787 | 0.630 | 1.260 | 0.433 | 2.559 | 1.890 | 0°         | -4°           | TC..21.5..  | 0.400                                                                               |
| PSC32-STFCR/L13075-11 | 0.984 | 0.787 | 1.260 | 0.512 | 2.953 | 2.323 | 0°         | -3°           | TC..21.5..  | 0.530                                                                               |
| PSC40-STFCR/L11070-11 | 0.787 | 0.630 | 1.575 | 0.433 | 2.756 | 1.850 | 0°         | -4°           | TC..21.5..  | 0.730                                                                               |
| PSC40-STFCR/L13080-11 | 0.984 | 0.787 | 1.575 | 0.512 | 3.150 | 2.244 | 0°         | -3°           | TC..21.5..  | 0.880                                                                               |
| PSC50-STFCR/L11070-11 | 0.787 | 0.630 | 1.969 | 0.433 | 2.756 | 1.811 | 0°         | -4°           | TC..21.5..  | 1.100                                                                               |
| PSC50-STFCR/L13080-11 | 0.984 | 0.787 | 1.969 | 0.512 | 3.150 | 2.205 | 0°         | -3°           | TC..21.5..  | 1.260                                                                               |
| PSC32-STFCR/L17090-16 | 1.260 | 0.984 | 1.260 | 0.669 | 3.543 | 2.913 | 0°         | -3.5°         | TC..32.5..  | 0.795                                                                               |
| PSC40-STFCR/L17090-16 | 1.260 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | 0°         | -6°           | TC..32.5..  | 1.060                                                                               |
| PSC40-STFCR/L22110-16 | 1.575 | 1.260 | 1.575 | 0.866 | 4.331 | 3.504 | 0°         | -10°          | TC..32.5..  | 1.655                                                                               |
| PSC50-STFCR/L17090-16 | 1.260 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | 0°         | -6°           | TC..32.5..  | 1.545                                                                               |
| PSC50-STFCR/L22110-16 | 1.575 | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | 0°         | -10°          | TC..32.5..  | 2.050                                                                               |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-STFCR/L11065-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC32-STFCR/L13075-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-STFCR/L11070-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC40-STFCR/L13080-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC50-STFCR/L11070-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC50-STFCR/L13080-11 | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| PSC32-STFCR/L17090-16 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC40-STFCR/L17090-16 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC40-STFCR/L22110-16 | 1335                                                                                | 5516                                                                                | 3414                                                                                 | 1750                                                                                  | 3.0 |
| PSC50-STFCR/L17090-16 | 1240                                                                                | 5515                                                                                | -                                                                                    | -                                                                                     | 3.0 |
| PSC50-STFCR/L22110-16 | 1335                                                                                | 5516                                                                                | 3414                                                                                 | 1750                                                                                  | 3.0 |

**TC..**

Triangular positive inserts with 7° clearance.  A36

| Reference  | I     | T     | d     |
|------------|-------|-------|-------|
| TC..21.5.. | 0.433 | 0.094 | 0.250 |
| TC..32.5.. | 0.650 | 0.156 | 0.375 |

**TCGT-AL****TCMT****TCMW**



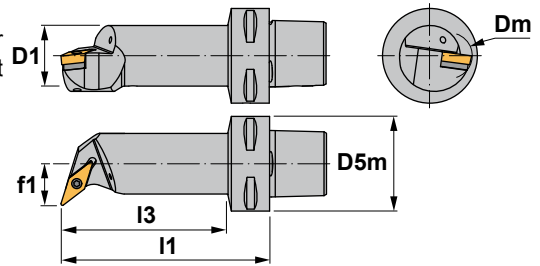
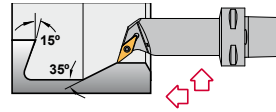
#### Characteristics:

Multipurpose profiling boring bar equipped with rhombic positive insert (angle 35°).

PSC with internal coolant.

1)  $\gamma$  = Rake angle (valid with a flat insert).

2)  $\lambda_s$  = Angle of inclination.



## SVQB 107° 30'

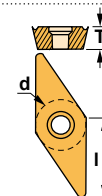
| Reference             | Dm    | D1    | D5m   | f1    | l1    | l3    | $\gamma^1$ | $\lambda_s^2$ | Insert size | lbs   |
|-----------------------|-------|-------|-------|-------|-------|-------|------------|---------------|-------------|-------|
| PSC32-SVQBR/L18090-16 | 1.299 | 0.984 | 1.260 | 0.709 | 3.543 | 2.953 | 0°         | -6°           | VBMT33..    | 0.795 |
| PSC32-SVQBR/L22064-16 | 1.575 | 1.248 | 1.260 | 0.866 | 2.520 | 1.930 | 0°         | -7.5°         | VBMT33..    | 0.770 |
| PSC32-SVQBR/L22096-16 | 1.575 | 1.248 | 1.260 | 0.866 | 3.780 | 3.228 | 0°         | -8°           | VBMT33..    | 1.215 |
| PSC40-SVQBR/L18090-16 | 1.299 | 0.984 | 1.575 | 0.709 | 3.543 | 2.717 | 0°         | -6°           | VBMT33..    | 1.060 |
| PSC40-SVQBR/L22110-16 | 1.575 | 1.260 | 1.575 | 0.866 | 4.331 | 3.504 | 0°         | -8°           | VBMT33..    | 1.655 |
| PSC40-SVQBR/L27080-16 | 1.969 | 1.575 | 1.575 | 1.063 | 3.150 | 2.362 | 0°         | -8°           | VBMT33..    | 1.630 |
| PSC40-SVQBR/L27120-16 | 1.969 | 1.575 | 1.575 | 1.063 | 4.724 | 3.937 | 0°         | -8°           | VBMT33..    | 2.490 |
| PSC50-SVQBR/L18090-16 | 1.299 | 0.984 | 1.969 | 0.709 | 3.543 | 2.638 | 0°         | -6°           | VBMT33..    | 1.480 |
| PSC50-SVQBR/L22110-16 | 1.575 | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | 0°         | -8°           | VBMT33..    | 2.050 |
| PSC50-SVQBR/L27140-16 | 1.969 | 1.575 | 1.969 | 1.063 | 5.512 | 4.685 | 0°         | -8°           | VBMT33..    | 3.240 |
| PSC50-SVQBR/L35100-16 | 2.480 | 1.969 | 1.969 | 1.378 | 3.937 | 3.189 | 0°         | -7°           | VBMT33..    | 3.265 |
| PSC50-SVQBR/L35150-16 | 2.480 | 1.969 | 1.969 | 1.378 | 5.906 | 5.157 | 0°         | -7°           | VBMT33..    | 4.960 |
| PSC63-SVQBR/L22120-16 | 1.575 | 1.260 | 2.480 | 0.866 | 4.724 | 3.701 | 0°         | -8°           | VBMT33..    | 2.820 |
| PSC63-SVQBR/L27145-16 | 1.969 | 1.575 | 2.480 | 1.063 | 5.709 | 4.724 | 0°         | -8°           | VBMT33..    | 3.925 |
| PSC63-SVQBR/L35175-16 | 2.480 | 1.969 | 2.480 | 1.378 | 6.890 | 5.984 | 0°         | -8°           | VBMT33..    | 6.285 |

| Reference             |      |      |      |      | Nm  |
|-----------------------|------|------|------|------|-----|
| PSC32-SVQBR/L18090-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC32-SVQBR/L22064-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC32-SVQBR/L22096-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC40-SVQBR/L18090-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC40-SVQBR/L22110-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC40-SVQBR/L27080-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC40-SVQBR/L27120-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC50-SVQBR/L18090-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC50-SVQBR/L22110-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC50-SVQBR/L27140-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC50-SVQBR/L35100-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC50-SVQBR/L35150-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC63-SVQBR/L22120-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC63-SVQBR/L27145-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |
| PSC63-SVQBR/L35175-16 | 1335 | 5516 | 3718 | 1750 | 3.0 |

### VBMT

35° rhombic positive insert with 5° clearance. ⓘ A40

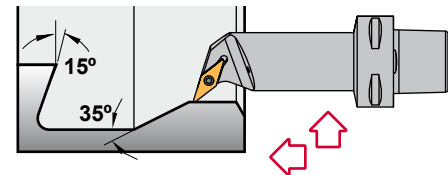
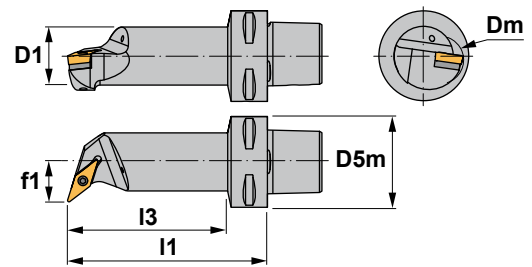
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| VBMT33..  | 0.650 | 0.187 | 0.375 |



**Characteristics:**

Multipurpose profiling boring bar equipped with rhombic positive insert (angle 35°).  
PSC with internal coolant.

- 1)  $\gamma$  = Rake angle  
(valid with a flat insert).  
2)  $\lambda_s$  = Angle of inclination.



## SVQC 107° 30'

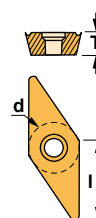
| Reference             | Dm    | D1    | D5m   | f1    | l1    | l3    | $\gamma^{(1)}$ | $\lambda_s^{(2)}$ | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|----------------|-------------------|-------------|-------------------------------------------------------------------------------------|
| PSC32-SVQCR/L13070-11 | 0.866 | 0.630 | 1.260 | 0.512 | 2.756 | 2.100 | 0°             | -7°               | VC..1103..  | 0.460                                                                               |
| PSC32-SVQCR/L15080-11 | 1.063 | 0.787 | 1.260 | 0.591 | 3.150 | 2.516 | 0°             | -5°               | VC..1103..  | 0.615                                                                               |
| PSC40-SVQCR/L13070-11 | 0.984 | 0.787 | 1.575 | 0.512 | 2.756 | 1.886 | 0°             | -5.5°             | VC..1103..  | 0.730                                                                               |
| PSC40-SVQCR/L15080-11 | 1.063 | 0.787 | 1.575 | 0.591 | 3.150 | 2.280 | 0°             | -5°               | VC..1103..  | 0.880                                                                               |
| PSC40-SVQCR/L18090-16 | 1.299 | 0.984 | 1.575 | 0.709 | 3.543 | 2.717 | 0°             | -12°              | VC..1604..  | 1.060                                                                               |
| PSC40-SVQCR/L22110-16 | 1.575 | 1.260 | 1.575 | 0.866 | 4.331 | 3.504 | 0°             | -8°               | VC..1604..  | 1.655                                                                               |
| PSC40-SVQCR/L27080-16 | 1.969 | 1.575 | 1.575 | 1.063 | 3.150 | 2.362 | 0°             | -8°               | VC..1604..  | 1.630                                                                               |
| PSC40-SVQCR/L27120-16 | 1.969 | 1.575 | 1.575 | 1.063 | 4.724 | 3.937 | 0°             | -8°               | VC..1604..  | 2.490                                                                               |
| PSC50-SVQCR/L18090-16 | 1.299 | 0.984 | 1.969 | 0.709 | 3.543 | 2.638 | 0°             | -12°              | VC..1604..  | 1.480                                                                               |
| PSC50-SVQCR/L22110-16 | 1.575 | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | 0°             | -8°               | VC..1604..  | 2.050                                                                               |
| PSC50-SVQCR/L27140-16 | 1.969 | 1.575 | 1.969 | 1.063 | 5.512 | 4.685 | 0°             | -8°               | VC..1604..  | 3.240                                                                               |
| PSC50-SVQCR/L35100-16 | 2.480 | 1.969 | 1.969 | 1.378 | 3.937 | 3.189 | 0°             | -7°               | VC..1604..  | 3.265                                                                               |
| PSC50-SVQCR/L35150-16 | 2.480 | 1.969 | 1.969 | 1.378 | 5.906 | 5.157 | 0°             | -7°               | VC..1604..  | 4.960                                                                               |
| PSC63-SVQCR/L22120-16 | 1.575 | 1.260 | 2.480 | 0.866 | 4.724 | 3.701 | 0°             | -8°               | VC..1604..  | 2.820                                                                               |
| PSC63-SVQCR/L27145-16 | 1.969 | 1.575 | 2.480 | 1.063 | 5.709 | 4.724 | 0°             | -8°               | VC..1604..  | 3.925                                                                               |
| PSC63-SVQCR/L35175-16 | 2.480 | 1.969 | 2.480 | 1.378 | 6.890 | 5.984 | 0°             | -8°               | VC..1604..  | 6.285                                                                               |

| Reference |  |  |  |  | Nm  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| .....-11  | 1225                                                                                | 5507                                                                                | -                                                                                    | -                                                                                     | 0.9 |
| .....-16  | 1335                                                                                | 5516                                                                                | 3718                                                                                 | 1750                                                                                  | 3.0 |

**VC..**

35° rhombic positive inserts with 7° clearance.  A40

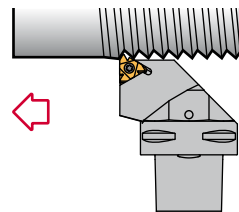
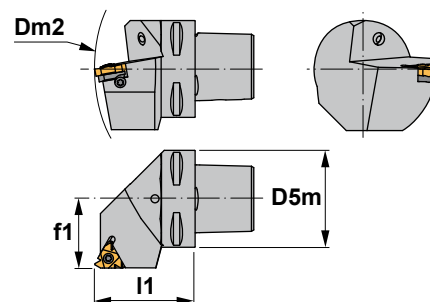
| Reference | l     | T     | d     |
|-----------|-------|-------|-------|
| VC..22..  | 0.433 | 0.125 | 0.250 |
| VC..33..  | 0.650 | 0.187 | 0.375 |

**VCGT-AL****VCGT-AP****VCMT**





**Characteristics:**  
Multipurpose threading toolholder  
for negative lay down inserts.  
PSC with internal coolant.



## SE 90°

| Reference           | D5m   | Dm2<br>min. | f1    | I1    | Insert size |  |
|---------------------|-------|-------------|-------|-------|-------------|-------------------------------------------------------------------------------------|
| PSC32-SER/L22040-16 | 1.260 | 4.882       | 0.866 | 1.575 | 16ER/L..    | 0.460                                                                               |
| PSC40-SER/L27050-16 | 1.575 | 5.512       | 1.063 | 1.969 | 16ER/L..    | 0.925                                                                               |
| PSC50-SER/L35060-16 | 1.969 | 6.496       | 1.378 | 2.362 | 16ER/L..    | 1.765                                                                               |
| PSC63-SER/L45065-16 | 2.480 | 7.480       | 1.772 | 2.559 | 16ER/L..    | 2.425                                                                               |
| PSC32-SER/L22040-22 | 1.260 | 4.882       | 0.866 | 1.575 | 22ER/L..    | 0.460                                                                               |
| PSC40-SER/L27050-22 | 1.575 | 5.512       | 1.063 | 1.969 | 22ER/L..    | 0.925                                                                               |
| PSC50-SER/L35060-22 | 1.969 | 6.496       | 1.378 | 2.362 | 22ER/L..    | 1.765                                                                               |
| PSC63-SER/L45065-22 | 2.480 | 7.480       | 1.772 | 2.559 | 22ER/L..    | 2.425                                                                               |
| PSC80-SER/L55080-22 | 3.150 | 9.843       | 2.165 | 3.150 | 22ER/L..    | 6.040                                                                               |

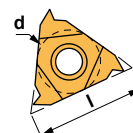
**WARNING!!** Because of large thread profile, modification may have to be made to the toolholder to achieve full depth of thread.

| Reference           |  |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-SER/L22040-16 | SA3                                                                                 | 5510                                                                                | YE3                                                                                 | YI3                                                                                   | SY3                                                                                   | 2.0 |
| PSC40-SER/L27050-16 | SA3                                                                                 | 5510                                                                                | YE3                                                                                 | YI3                                                                                   | SY3                                                                                   | 2.0 |
| PSC50-SER/L35060-16 | SA3                                                                                 | 5510                                                                                | YE3                                                                                 | YI3                                                                                   | SY3                                                                                   | 2.0 |
| PSC63-SER/L45065-16 | SA3                                                                                 | 5510                                                                                | YE3                                                                                 | YI3                                                                                   | SY3                                                                                   | 2.0 |
| PSC32-SER/L22040-22 | SA4                                                                                 | 5520                                                                                | YE4                                                                                 | YI4                                                                                   | SY4                                                                                   | 4.0 |
| PSC40-SER/L27050-22 | SA4                                                                                 | 5520                                                                                | YE4                                                                                 | YI4                                                                                   | SY4                                                                                   | 4.0 |
| PSC50-SER/L35060-22 | SA4                                                                                 | 5520                                                                                | YE4                                                                                 | YI4                                                                                   | SY4                                                                                   | 4.0 |
| PSC63-SER/L45065-22 | SA4                                                                                 | 5520                                                                                | YE4                                                                                 | YI4                                                                                   | SY4                                                                                   | 4.0 |
| PSC80-SER/L55080-22 | SA4                                                                                 | 5520                                                                                | YE4                                                                                 | YI4                                                                                   | SY4                                                                                   | 4.0 |

### ER/L

Triangular negative inserts for external threading.  C03,05,08,10

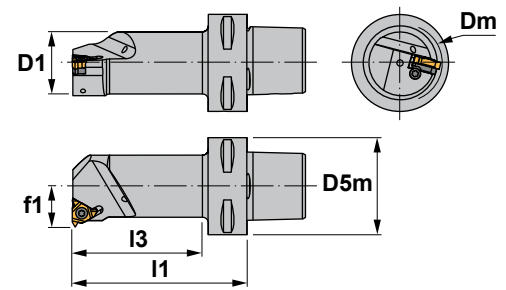
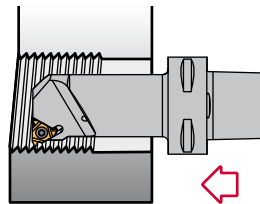
| Reference | l     | d     |
|-----------|-------|-------|
| 16ER/L..  | 0.629 | 0.374 |
| 22ER/L..  | 0.866 | 0.500 |







Characteristics:  
Multipurpose threading boring bar  
for negative lay down inserts.  
PSC with internal coolant.



**SI 90°**

| Reference           | D1    | Dm    | D5m   | f1    | I1    | I3    | Insert size |      |      |             | Nm  |       |
|---------------------|-------|-------|-------|-------|-------|-------|-------------|------|------|-------------|-----|-------|
| PSC32-SIR/L12050-16 | 0.610 | 0.787 | 1.260 | 0.472 | 1.969 | 1.299 | 16NR/L..    | SN3  | 5510 | - - -       | 2.0 | 0.460 |
| PSC32-SIR/L22085-16 | 1.240 | 1.575 | 1.260 | 0.866 | 3.346 | 2.756 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 1.125 |
| PSC40-SIR/L12060-16 | 0.610 | 0.787 | 1.575 | 0.472 | 2.362 | 1.457 | 16NR/L..    | SN3  | 5510 | - - -       | 2.0 | 0.660 |
| PSC40-SIR/L14060-16 | 0.730 | 0.984 | 1.575 | 0.551 | 2.362 | 1.496 | 16NR/L..    | SA3T | 5510 | YI3 YE3 SY3 | 2.0 | 0.750 |
| PSC40-SIR/L17070-16 | 0.964 | 1.260 | 1.575 | 0.669 | 2.756 | 1.890 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 0.900 |
| PSC40-SIR/L22090-16 | 1.260 | 1.575 | 1.575 | 0.866 | 3.543 | 2.717 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 1.435 |
| PSC40-SIR/L27080-16 | 1.555 | 1.969 | 1.575 | 1.063 | 3.150 | 2.362 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 1.675 |
| PSC50-SIR/L12060-16 | 0.610 | 0.787 | 1.969 | 0.472 | 2.362 | 1.378 | 16NR/L..    | SN3  | 5510 | - - -       | 2.0 | 1.080 |
| PSC50-SIR/L14060-16 | 0.730 | 0.984 | 1.969 | 0.551 | 2.362 | 1.417 | 16NR/L..    | SA3T | 5510 | YI3 YE3 SY3 | 2.0 | 1.125 |
| PSC50-SIR/L17070-16 | 0.964 | 1.260 | 1.969 | 0.669 | 2.756 | 1.850 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 1.300 |
| PSC50-SIR/L22090-16 | 0.964 | 1.575 | 1.969 | 0.866 | 3.543 | 2.677 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 1.810 |
| PSC50-SIR/L27105-16 | 1.575 | 1.969 | 1.969 | 1.063 | 4.134 | 3.307 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 2.645 |
| PSC63-SIR/L14070-16 | 0.730 | 0.984 | 2.480 | 0.551 | 2.756 | 1.654 | 16NR/L..    | SA3T | 5510 | YI3 YE3 SY3 | 2.0 | 1.985 |
| PSC63-SIR/L17075-16 | 0.964 | 1.260 | 2.480 | 0.669 | 2.953 | 1.890 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 2.140 |
| PSC63-SIR/L22090-16 | 1.260 | 1.575 | 2.480 | 0.866 | 3.543 | 2.520 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 2.515 |
| PSC63-SIR/L27105-16 | 1.575 | 1.969 | 2.480 | 1.063 | 4.134 | 3.150 | 16NR/L..    | SA3  | 5510 | YI3 YE3 SY3 | 2.0 | 3.310 |
| PSC40-SIR/L15065-22 | 0.730 | 0.984 | 1.575 | 0.591 | 2.559 | 1.654 | 22NR/L..    | SN4  | 5520 | - - -       | 4.0 | 0.770 |
| PSC40-SIR/L19070-22 | 0.984 | 1.260 | 1.575 | 0.748 | 2.756 | 1.890 | 22NR/L..    | SA4  | 5520 | YI4 YE4 SY4 | 4.0 | 0.925 |
| PSC40-SIR/L22090-22 | 1.240 | 1.575 | 1.575 | 0.866 | 3.543 | 2.717 | 22NR/L..    | SA4  | 5520 | YI4 YE4 SY4 | 4.0 | 1.435 |
| PSC40-SIR/L27080-22 | 1.555 | 1.969 | 1.575 | 1.063 | 3.150 | 2.362 | 22NR/L..    | SA4  | 5520 | YI4 YE4 SY4 | 4.0 | 1.675 |
| PSC50-SIR/L15065-22 | 0.730 | 0.984 | 1.969 | 0.591 | 2.559 | 1.614 | 22NR/L..    | SN4  | 5520 | - - -       | 4.0 | 1.150 |
| PSC50-SIR/L19070-22 | 0.984 | 1.260 | 1.969 | 0.748 | 2.756 | 1.850 | 22NR/L..    | SA4  | 5520 | YI4 YE4 SY4 | 4.0 | 1.325 |
| PSC50-SIR/L22090-22 | 1.240 | 1.575 | 1.969 | 0.866 | 3.543 | 2.677 | 22NR/L..    | SA4  | 5520 | YI4 YE4 SY4 | 4.0 | 1.810 |
| PSC50-SIR/L27105-22 | 1.575 | 1.969 | 1.969 | 1.063 | 4.134 | 3.307 | 22NR/L..    | SA4  | 5520 | YI4 YE4 SY4 | 4.0 | 2.645 |
| PSC63-SIR/L19075-22 | 0.984 | 1.260 | 2.480 | 0.748 | 2.953 | 1.890 | 22NR/L..    | SA4  | 5520 | YI4 YE4 SY4 | 4.0 | 2.140 |
| PSC63-SIR/L22090-22 | 1.240 | 1.575 | 2.480 | 0.866 | 3.543 | 2.520 | 22NR/L..    | SA4  | 5520 | YI4 YE4 SY4 | 4.0 | 2.515 |
| PSC63-SIR/L27105-22 | 1.575 | 1.969 | 2.480 | 1.063 | 4.134 | 3.150 | 22NR/L..    | SA4  | 5520 | YI4 YE4 SY4 | 4.0 | 3.310 |

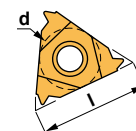
**WARNING!!** Because of large thread profile, modification may have to be made to the boring bar to achieve full depth of thread.

## NR/L

Triangular negative inserts for internal threading. C04,06,07,09,10

### Reference

| Reference | l     | d     |
|-----------|-------|-------|
| 16NR/L..  | 0.629 | 0.374 |
| 22NR/L..  | 0.866 | 0.500 |



### NR/L

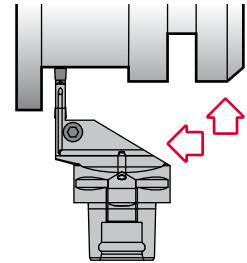
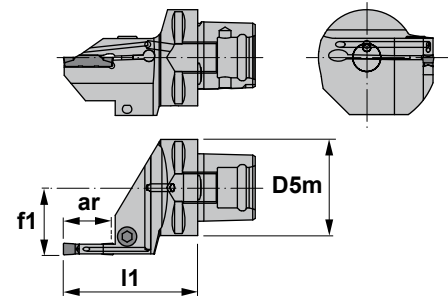


### NR/L TD



**Characteristics:**

Parting, grooving and side turning toolholder for modular blades CZFD.  
Double-sided inserts 0.079 to 0.236 inches thickness.  
PSC with internal coolant.



## CZCD

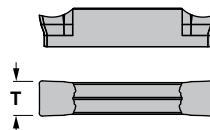
| Reference             | D5m   | f1    | l1    | ar max | Insert size |   | Nm  |  |
|-----------------------|-------|-------|-------|--------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| PSC32-CZCDR/L22055-02 | 1.260 | 0.866 | 2.165 | 0.591  | WDM..02     | 1296 5005                                                                                                                                                               | 4.0 | 0.550                                                                               |
| PSC40-CZCDR/L27055-02 | 1.575 | 1.063 | 2.165 | 0.591  | WDM..02     | 1096 5005                                                                                                                                                               | 4.0 | 0.950                                                                               |
| PSC50-CZCDR/L35060-02 | 1.969 | 1.378 | 2.362 | 0.591  | WDM..02     | 1096 5005                                                                                                                                                               | 4.0 | 1.765                                                                               |
| PSC32-CZCDR/L22055-03 | 1.260 | 0.866 | 2.165 | 0.787  | WDM..03     | 1296 5005                                                                                                                                                               | 4.0 | 0.550                                                                               |
| PSC40-CZCDR/L27060-03 | 1.575 | 1.063 | 2.362 | 0.787  | WDM..03     | 1096 5005                                                                                                                                                               | 4.0 | 1.060                                                                               |
| PSC50-CZCDR/L35060-03 | 1.969 | 1.378 | 2.362 | 0.787  | WDM..03     | 1096 5005                                                                                                                                                               | 4.0 | 1.765                                                                               |
| PSC63-CZCDR/L45065-03 | 2.480 | 1.772 | 2.559 | 0.787  | WDM..03     | 1096 5005                                                                                                                                                               | 4.0 | 2.425                                                                               |
| PSC32-CZCDR/L22060-04 | 1.260 | 0.866 | 2.362 | 0.787  | WDM..04     | 1296 5005                                                                                                                                                               | 4.0 | 0.575                                                                               |
| PSC40-CZCDR/L27067-04 | 1.575 | 1.063 | 2.638 | 0.984  | WDM..04     | 1096 5005                                                                                                                                                               | 4.0 | 0.970                                                                               |
| PSC50-CZCDR/L35067-04 | 1.969 | 1.378 | 2.638 | 0.984  | WDM..04     | 1096 5005                                                                                                                                                               | 4.0 | 1.765                                                                               |
| PSC63-CZCDR/L45070-04 | 2.480 | 1.772 | 2.756 | 0.984  | WDM..04     | 1096 5005                                                                                                                                                               | 4.0 | 2.975                                                                               |
| PSC40-CZCDR/L27067-05 | 1.575 | 1.063 | 2.638 | 0.984  | WDM..05     | 1096 5005                                                                                                                                                               | 4.0 | 0.970                                                                               |
| PSC50-CZCDR/L35067-05 | 1.969 | 1.378 | 2.638 | 0.984  | WDM..05     | 1096 5005                                                                                                                                                               | 4.0 | 1.765                                                                               |
| PSC63-CZCDR/L45070-05 | 2.480 | 1.772 | 2.756 | 0.984  | WDM..05     | 1096 5005                                                                                                                                                               | 4.0 | 2.975                                                                               |
| PSC40-CZCDR/L27070-06 | 1.575 | 1.063 | 2.756 | 0.984  | WDM..06     | 1096 5005                                                                                                                                                               | 4.0 | 0.970                                                                               |
| PSC50-CZCDR/L35070-06 | 1.969 | 1.378 | 2.756 | 0.984  | WDM..06     | 1096 5005                                                                                                                                                               | 4.0 | 1.720                                                                               |
| PSC63-CZCDR/L45075-06 | 2.480 | 1.772 | 2.953 | 0.984  | WDM..06     | 1096 5005                                                                                                                                                               | 4.0 | 3.150                                                                               |

For modular blades CZFD, see pages B12 to B13.

**WDM..**

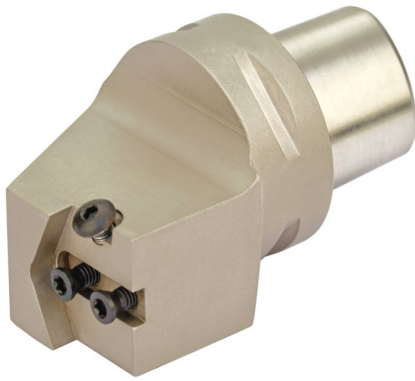
 B04

| Reference | T     |
|-----------|-------|
| WDM..02   | 0.079 |
| WDM..03   | 0.118 |
| WDM..04   | 0.157 |
| WDM..05   | 0.197 |
| WDM..06   | 0.236 |

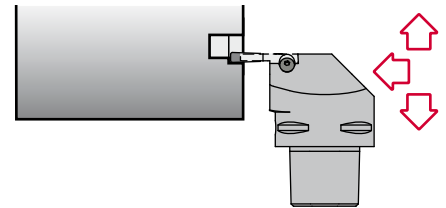
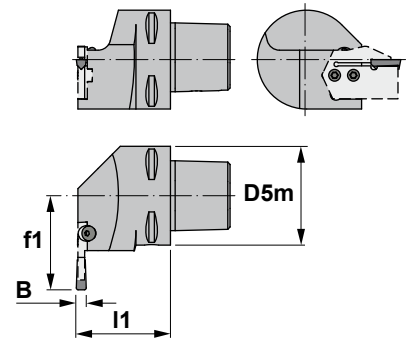


WDMG: Insert for grooving.  
WDMP: Insert for parting.  
WDMR: Insert for parting with radius.  
WDMT: Insert for turning.

**WDMG****WDMP****WDMR****WDMT**

**Characteristics:**

Parting, grooving and side turning toolholder for modular blades CZFD.  
Double-sided inserts 0.079 to 0.236 inches thickness.



## CZFD

| Reference          | D5m   | f1    | l1    | B           |  lbs |
|--------------------|-------|-------|-------|-------------|-----------------------------------------------------------------------------------------|
| PSC32-CZFDR/L09050 | 1.260 | 0.354 | 1.969 | 0.079-0.236 | 0.550                                                                                   |
| PSC40-CZFDR/L14050 | 1.575 | 0.551 | 1.969 | 0.079-0.236 | 0.950                                                                                   |
| PSC50-CZFDR/L22050 | 1.969 | 0.866 | 2.165 | 0.079-0.236 | 1.765                                                                                   |
| PSC63-CZFDR/L32060 | 2.480 | 1.260 | 2.362 | 0.079-0.236 | 2.425                                                                                   |

| Reference          |  |  |  |  | Nm  |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-CZFDR/L09050 | 1025                                                                                | 1450                                                                                | 5003                                                                                 | 5520                                                                                  | 3.0 |
| PSC40-CZFDR/L14050 | 1025                                                                                | 1450                                                                                | 5003                                                                                 | 5520                                                                                  | 3.0 |
| PSC50-CZFDR/L22050 | 1025                                                                                | 1450                                                                                | 5003                                                                                 | 5520                                                                                  | 3.0 |
| PSC63-CZFDR/L32060 | 1025                                                                                | 1450                                                                                | 5003                                                                                 | 5520                                                                                  | 3.0 |

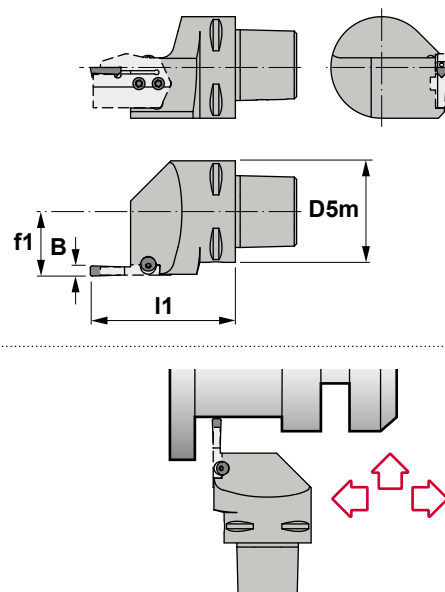
For modular blades CZFD, see pages B12 to B13.

## Modular blades



**Characteristics:**

Parting, grooving and side turning toolholder for modular blades CZFD. Double-sided inserts 0.079 to 0.236 inches thickness.



## CZGD

| Reference          | D5m   | f1    | l1    | B           |  |
|--------------------|-------|-------|-------|-------------|-------------------------------------------------------------------------------------|
| PSC32-CZGDR/L17042 | 1.260 | 0.669 | 1.654 | 0.079-0.236 | 0.550                                                                               |
| PSC40-CZGDR/L22042 | 1.575 | 0.866 | 1.654 | 0.079-0.236 | 0.950                                                                               |
| PSC50-CZGDR/L30047 | 1.969 | 1.181 | 1.850 | 0.079-0.236 | 1.765                                                                               |
| PSC63-CZGDR/L40052 | 2.480 | 1.575 | 2.047 | 0.079-0.236 | 2.425                                                                               |

| Reference          |  |  |  |  | Nm  |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC32-CZGDR/L17042 | 1025                                                                                | 1450                                                                                | 5003                                                                                 | 5520                                                                                  | 3.0 |
| PSC40-CZGDR/L22042 | 1025                                                                                | 1450                                                                                | 5003                                                                                 | 5520                                                                                  | 3.0 |
| PSC50-CZGDR/L30047 | 1025                                                                                | 1450                                                                                | 5003                                                                                 | 5520                                                                                  | 3.0 |
| PSC63-CZGDR/L40052 | 1025                                                                                | 1450                                                                                | 5003                                                                                 | 5520                                                                                  | 3.0 |

For modular blades CZFD, see pages B12 to B13.

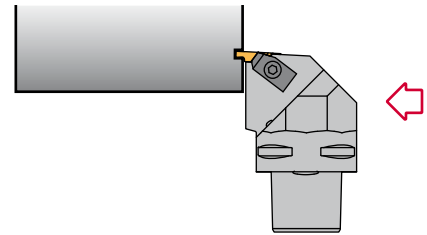
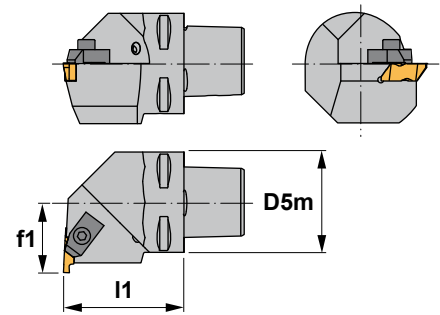
## Modular blades



**Characteristics:**

Multipurpose grooving and threading top clamp toolholder.  
Right tools require left inserts and vice versa.

PSC with internal coolant.



## NE 93°

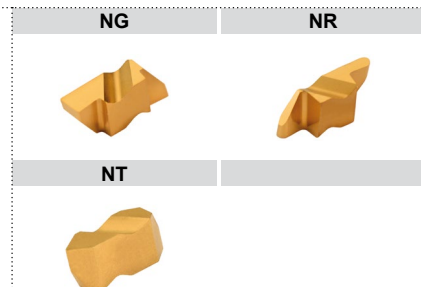
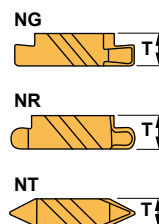
| Reference           | D5m   | f1    | l1    | Insert size |  lbs |
|---------------------|-------|-------|-------|-------------|-----------------------------------------------------------------------------------------|
| PSC40-NER/L27050-03 | 1.575 | 1.063 | 1.969 | N..3        | 0.925                                                                                   |
| PSC50-NER/L35060-03 | 1.969 | 1.378 | 2.362 | N..3        | 1.765                                                                                   |
| PSC63-NER/L45065-03 | 2.480 | 1.772 | 2.559 | N..3        | 2.425                                                                                   |

| Reference           |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-NER/L27050-03 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |
| PSC50-NER/L35060-03 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |
| PSC63-NER/L45065-03 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |

**N..**
 B06-07

| Reference | T     |
|-----------|-------|
| N..3      | 0.195 |

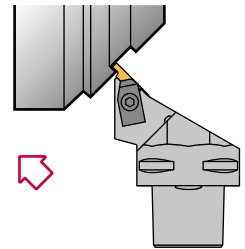
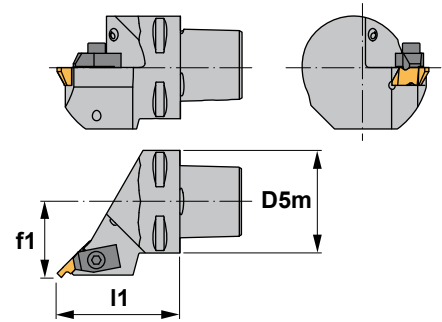
NG: Insert for grooving.  
NR: Insert for parting with radius.  
NT: Insert for threading.



**Characteristics:**

Specific application grooving toolholder.  
Right tools require left inserts and vice versa.

PSC with internal coolant.



## NR 45°

| Reference           | D5m   | f1    | I1    | Insert size | lbs   |
|---------------------|-------|-------|-------|-------------|-------|
| PSC40-NRR/L27055-03 | 1.575 | 1.063 | 2.165 | N..3        | 0.950 |
| PSC50-NRR/L35060-03 | 1.969 | 1.378 | 2.362 | N..3        | 1.765 |
| PSC63-NRR/L45065-03 | 2.480 | 1.772 | 2.559 | N..3        | 2.425 |

| Reference           |  |  |  |  | Nm  |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-NRR/L27055-03 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |
| PSC50-NRR/L35060-03 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |
| PSC63-NRR/L45065-03 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |

**N..**

 B06-07

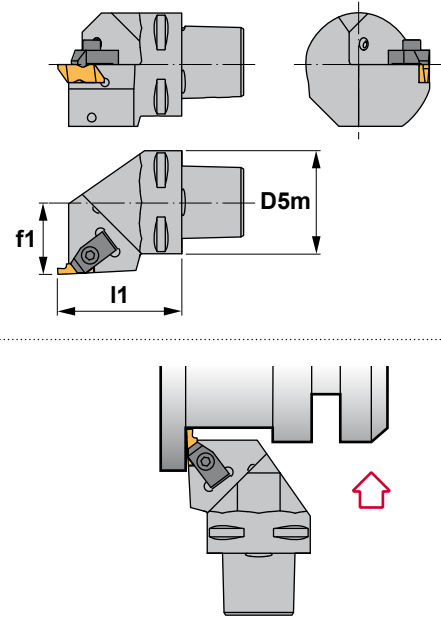
| Reference | T     |
|-----------|-------|
| N..3      | 0.195 |

NG: Insert for grooving.  
NR: Insert for parting with radius.  
NT: Insert for threading.

**NG****NR****NT**



**Characteristics:**  
Multipurpose grooving and threading  
top clamp toolholder.  
PSC with internal coolant.



## NS 93°

| Reference           | D5m   | f1    | l1    | Insert size | lbs   |
|---------------------|-------|-------|-------|-------------|-------|
| PSC32-NSR22040-02   | 1.260 | 0.866 | 1.575 | N..2        | 1.015 |
| PSC40-NSR/L27050-02 | 1.575 | 1.063 | 1.969 | N..2        | 0.925 |
| PSC32-NSR/L22045-03 | 1.260 | 0.866 | 1.772 | N..3        | 0.530 |
| PSC40-NSR/L27050-03 | 1.575 | 1.063 | 1.969 | N..3        | 0.925 |
| PSC50-NSR/L35060-03 | 1.969 | 1.378 | 2.362 | N..3        | 1.765 |
| PSC63-NSR/L45065-03 | 2.480 | 1.772 | 2.559 | N..3        | 2.425 |
| PSC40-NSR/L27055-04 | 1.575 | 1.063 | 2.165 | N..4        | 0.950 |
| PSC50-NSR/L35060-04 | 1.969 | 1.378 | 2.362 | N..4        | 1.765 |
| PSC63-NSR/L45065-04 | 2.480 | 1.772 | 2.559 | N..4        | 2.425 |

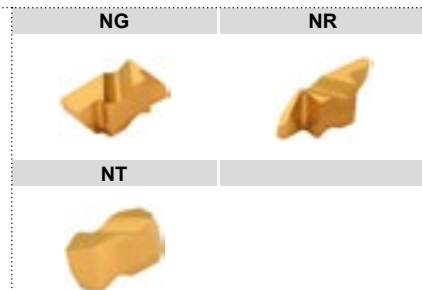
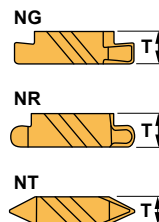
| Reference           |       |       |      |      |      |      | Nm  |
|---------------------|-------|-------|------|------|------|------|-----|
| PSC32-NSR22040-02   | TF-74 | TF-75 | -    | -    | 5003 | 1494 | 3.0 |
| PSC40-NSR/L27050-02 | TF-74 | TF-75 | -    | -    | 5003 | 1494 | 3.0 |
| PSC32-NSR/L22045-03 | TF-72 | TF-73 | -    | -    | 5004 | 1495 | 3.5 |
| PSC40-NSR/L27050-03 | TF-72 | TF-73 | -    | -    | 5004 | 1495 | 3.5 |
| PSC50-NSR/L35060-03 | TF-72 | TF-73 | -    | -    | 5004 | 1495 | 3.5 |
| PSC63-NSR/L45065-03 | TF-72 | TF-73 | -    | -    | 5004 | 1495 | 3.5 |
| PSC40-NSR/L27055-04 | TF-72 | TF-73 | 3521 | 1625 | 5004 | 1495 | 3.5 |
| PSC50-NSR/L35060-04 | TF-72 | TF-73 | 3521 | 1625 | 5004 | 1495 | 3.5 |
| PSC63-NSR/L45065-04 | TF-72 | TF-73 | 3521 | 1625 | 5004 | 1495 | 3.5 |

### N..

**i** B06-07

| Reference | T     |
|-----------|-------|
| N..2      | 0.150 |
| N..3      | 0.195 |
| N..4      | 0.255 |

NG: Insert for grooving.  
NR: Insert for parting with radius.  
NT: Insert for threading.

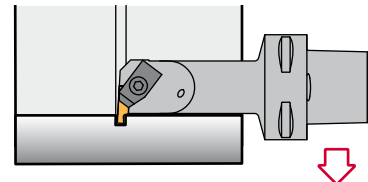
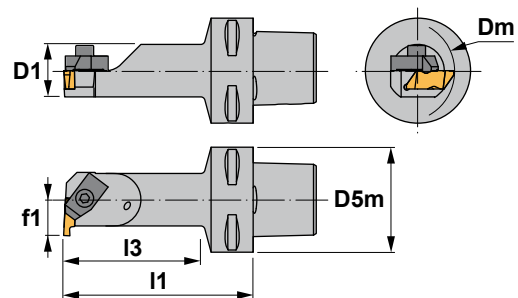




**Characteristics:**

Multipurpose grooving and threading top clamp boring bar.  
Right tools require left inserts and vice versa.

PSC with internal coolant.



## NNTO 93°

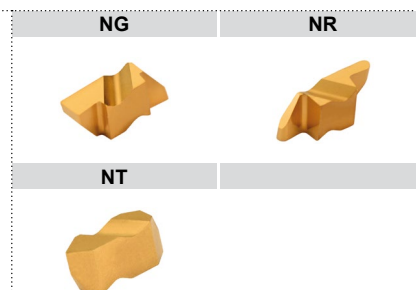
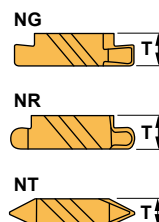
| Reference             | Dm    | D1    | D5m   | f1    | l1    | l3    | Insert size |  |
|-----------------------|-------|-------|-------|-------|-------|-------|-------------|-------------------------------------------------------------------------------------|
| PSC40-NNTOR/L11070-02 | 0.866 | 0.630 | 1.575 | 0.433 | 2.756 | 1.850 | N..2        | 0.730                                                                               |
| PSC40-NNTOR/L13080-02 | 1.024 | 0.787 | 1.575 | 0.512 | 3.150 | 2.283 | N..2        | 0.880                                                                               |
| PSC50-NNTOR/L11070-02 | 0.866 | 0.630 | 1.969 | 0.433 | 2.756 | 1.811 | N..2        | 1.100                                                                               |
| PSC50-NNTOR/L13080-02 | 1.024 | 0.787 | 1.969 | 0.512 | 3.150 | 2.205 | N..2        | 1.255                                                                               |
| PSC50-NNTOR/L17090-02 | 1.339 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | N..2        | 1.545                                                                               |
| PSC40-NNTOR/L17090-03 | 1.339 | 0.984 | 1.575 | 0.669 | 3.543 | 2.717 | N..3        | 1.060                                                                               |
| PSC50-NNTOR/L17090-03 | 1.339 | 0.984 | 1.969 | 0.669 | 3.543 | 2.638 | N..3        | 1.545                                                                               |
| PSC50-NNTOR/L22110-03 | 1.732 | 1.260 | 1.969 | 0.866 | 4.331 | 3.465 | N..3        | 2.050                                                                               |
| PSC63-NNTOR/L27140-04 | 2.126 | 1.575 | 2.480 | 1.063 | 5.512 | 4.528 | N..4        | 3.925                                                                               |
| PSC63-NNTOR/L35175-04 | 2.756 | 1.969 | 2.480 | 1.378 | 6.890 | 5.984 | N..4        | 6.285                                                                               |

| Reference             |  |  |  |  | Nm  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| PSC40-NNTOR/L11070-02 | TF-147                                                                              | TF-146                                                                              | 5003                                                                                 | 1494                                                                                  | 3.0 |
| PSC40-NNTOR/L13080-02 | TF-75                                                                               | TF-146                                                                              | 5003                                                                                 | 1494                                                                                  | 3.0 |
| PSC50-NNTOR/L11070-02 | TF-75                                                                               | TF-146                                                                              | 5003                                                                                 | 1494                                                                                  | 3.0 |
| PSC50-NNTOR/L13080-02 | TF-75                                                                               | TF-146                                                                              | 5003                                                                                 | 1494                                                                                  | 3.0 |
| PSC50-NNTOR/L17090-02 | TF-75                                                                               | TF-146                                                                              | 5003                                                                                 | 1494                                                                                  | 3.0 |
| PSC40-NNTOR/L17090-03 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |
| PSC50-NNTOR/L17090-03 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |
| PSC50-NNTOR/L22110-03 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |
| PSC63-NNTOR/L27140-04 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |
| PSC63-NNTOR/L35175-04 | TF-73                                                                               | TF-72                                                                               | 5004                                                                                 | 1495                                                                                  | 3.5 |

**N..**
 B06-07

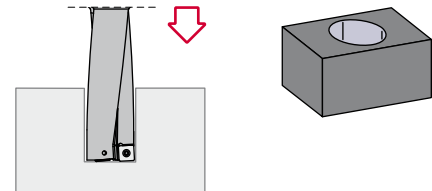
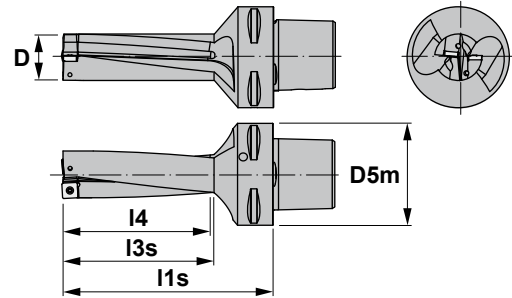
| Reference | T     |
|-----------|-------|
| N..2      | 0.150 |
| N..3      | 0.195 |
| N..4      | 0.255 |

NG: Insert for grooving.  
NR: Insert for parting with radius.  
NT: Insert for threading.



**Characteristics:**

Helical flute indexable insert drills provide faster cutting speeds and efficient chip removal for use on conventional and C.N.C. machines. This type of drills incorporates a neutral-rake geometry and screw-down square inserts for stability and clean through-hole putting. PSC with internal coolant. Max. hole depth = 3xDiameter (D)



# 45..

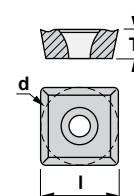


| Reference      | D5m   | D     | l1s   | l3s   | l4    | Radial Adj.<br>Dmax | Insert size |           | Nm  | lbs   |
|----------------|-------|-------|-------|-------|-------|---------------------|-------------|-----------|-----|-------|
| PSC40-451415   | 1.575 | 0.591 | 3.228 | 1.890 | 1.772 | +0,40±15,8          | SPMT0603..  | 1225 5507 | 0.9 | 0.730 |
| PSC40-451416   | 1.575 | 0.630 | 3.386 | 2.008 | 1.890 | +0,30±16,6          | SPMT0603..  | 1225 5507 | 0.9 | 0.795 |
| PSC40-451417   | 1.575 | 0.669 | 3.504 | 2.126 | 2.008 | +0,60±18,2          | SPMT0603..  | 1225 5507 | 0.9 | 0.815 |
| PSC40-451417,5 | 1.575 | 0.689 | 3.622 | 2.205 | 2.087 | +0,50±18,5          | SPMT0603..  | 1225 5507 | 0.9 | 0.840 |
| PSC40-451418   | 1.575 | 0.709 | 3.661 | 2.244 | 2.126 | +0,40±18,8          | SPMT0603..  | 1225 5507 | 0.9 | 0.860 |
| PSC40-451418,5 | 1.575 | 0.728 | 3.740 | 2.323 | 2.205 | +0,40±19,3          | SPMT0603..  | 1225 5507 | 0.9 | 0.880 |
| PSC40-451419   | 1.575 | 0.748 | 3.780 | 2.362 | 2.244 | +0,30±19,6          | SPMT0603..  | 1225 5507 | 0.9 | 0.905 |
| PSC40-451420   | 1.575 | 0.787 | 3.976 | 2.520 | 2.362 | +0,90±21,8          | SPMT0603..  | 1225 5507 | 0.9 | 0.970 |
| PSC40-452421   | 1.575 | 0.827 | 4.114 | 2.598 | 2.480 | +0,80±22,6          | SPMT0703..  | 1225 5507 | 0.9 | 1.015 |
| PSC40-452422   | 1.575 | 0.866 | 4.213 | 2.717 | 2.598 | +0,60±23,2          | SPMT0703..  | 1225 5507 | 0.9 | 1.080 |
| PSC40-452423   | 1.575 | 0.906 | 4.370 | 2.835 | 2.717 | +0,50±24,0          | SPMT0703..  | 1225 5507 | 0.9 | 1.145 |
| PSC40-452424   | 1.575 | 0.945 | 4.528 | 2.992 | 2.835 | +1,10±26,2          | SPMT0703..  | 1225 5507 | 0.9 | 1.235 |
| PSC40-452425   | 1.575 | 0.984 | 4.685 | 3.110 | 2.953 | +1,00±27,0          | SPMT0703..  | 1225 5507 | 0.9 | 1.300 |
| PSC40-453426   | 1.575 | 1.024 | 4.803 | 3.189 | 3.071 | +0,90±27,8          | SPMT0903..  | 1230 5508 | 1.2 | 1.410 |
| PSC40-453427   | 1.575 | 1.063 | 4.921 | 3.307 | 3.189 | +0,70±28,4          | SPMT0903..  | 1230 5508 | 1.2 | 1.500 |
| PSC40-453428   | 1.575 | 1.102 | 5.079 | 3.425 | 3.307 | +0,60±29,2          | SPMT0903..  | 1230 5508 | 1.2 | 1.590 |
| PSC40-453429   | 1.575 | 1.142 | 5.197 | 3.543 | 3.425 | +0,50±30,0          | SPMT0903..  | 1230 5508 | 1.2 | 1.675 |
| PSC40-453430   | 1.575 | 1.181 | 5.393 | 3.701 | 3.543 | +1,12±32,2          | SPMT0903..  | 1230 5508 | 1.2 | 1.785 |

**SPMT**

Square positive insert with 11° clearance. ⓘ H02

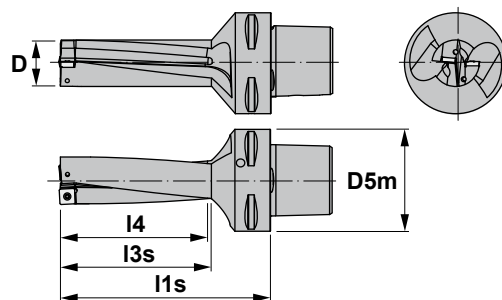
| Reference  | I     | T     | d     |
|------------|-------|-------|-------|
| SPMT060304 | 0.250 | 0.125 | 0.250 |
| SPMT070308 | 0.312 | 0.125 | 0.312 |
| SPMT090308 | 0.374 | 0.125 | 0.374 |

**SPMT**



#### Characteristics:

Helical flute indexable insert drills provide faster cutting speeds and efficient chip removal for use on conventional and C.N.C. machines.



# 45..

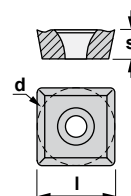


| Reference      | D5m   | D     | l1s   | l3s   | l4    | Radial Adj.<br>Dmax | Insert size |           | Nm  |       |
|----------------|-------|-------|-------|-------|-------|---------------------|-------------|-----------|-----|-------|
| PSC50-451415   | 1.969 | 0.591 | 3.228 | 1.890 | 1.772 | +0,40↗15,8          | SPMT0603..  | 1225 5507 | 0.9 | 1.280 |
| PSC50-451416   | 1.969 | 0.630 | 3.386 | 2.008 | 1.890 | +0,30↗16,6          | SPMT0603..  | 1225 5507 | 0.9 | 1.300 |
| PSC50-451417   | 1.969 | 0.669 | 3.504 | 2.126 | 2.008 | +0,60↗18,2          | SPMT0603..  | 1225 5507 | 0.9 | 1.325 |
| PSC50-451417,5 | 1.969 | 0.689 | 3.622 | 2.205 | 2.087 | +0,50↗18,5          | SPMT0603..  | 1225 5507 | 0.9 | 1.325 |
| PSC50-451418   | 1.969 | 0.709 | 3.661 | 2.244 | 2.126 | +0,40↗18,8          | SPMT0603..  | 1225 5507 | 0.9 | 1.325 |
| PSC50-451418,5 | 1.969 | 0.728 | 3.740 | 2.323 | 2.205 | +0,40↗19,3          | SPMT0603..  | 1225 5507 | 0.9 | 1.325 |
| PSC50-451419   | 1.969 | 0.748 | 3.780 | 2.362 | 2.244 | +0,30↗19,6          | SPMT0603..  | 1225 5507 | 0.9 | 1.345 |
| PSC50-451420   | 1.969 | 0.787 | 3.976 | 2.520 | 2.362 | +0,90↗21,8          | SPMT0603..  | 1225 5507 | 0.9 | 1.410 |
| PSC50-452421   | 1.969 | 0.827 | 4.114 | 2.598 | 2.480 | +0,80↗22,6          | SPMT0703..  | 1225 5507 | 0.9 | 1.435 |
| PSC50-452422   | 1.969 | 0.866 | 4.213 | 2.717 | 2.598 | +0,60↗23,2          | SPMT0703..  | 1225 5507 | 0.9 | 1.480 |
| PSC50-452423   | 1.969 | 0.906 | 4.370 | 2.835 | 2.717 | +0,50↗24,0          | SPMT0703..  | 1225 5507 | 0.9 | 1.545 |
| PSC50-452424   | 1.969 | 0.945 | 4.528 | 2.992 | 2.835 | +1,10↗26,2          | SPMT0703..  | 1225 5507 | 0.9 | 1.630 |
| PSC50-452425   | 1.969 | 0.984 | 4.685 | 3.110 | 2.953 | +1,00↗27,0          | SPMT0703..  | 1225 5507 | 0.9 | 1.720 |
| PSC50-453426   | 1.969 | 1.024 | 4.803 | 3.189 | 3.071 | +0,90↗27,8          | SPMT0903..  | 1230 5508 | 1.2 | 1.810 |
| PSC50-453427   | 1.969 | 1.063 | 4.921 | 3.307 | 3.189 | +0,70↗28,4          | SPMT0903..  | 1230 5508 | 1.2 | 1.810 |
| PSC50-453428   | 1.969 | 1.102 | 5.079 | 3.425 | 3.307 | +0,60↗29,2          | SPMT0903..  | 1230 5508 | 1.2 | 1.985 |
| PSC50-453429   | 1.969 | 1.142 | 5.197 | 3.543 | 3.425 | +0,50↗30,0          | SPMT0903..  | 1230 5508 | 1.2 | 2.095 |
| PSC50-453430   | 1.969 | 1.181 | 5.393 | 3.701 | 3.543 | +1,12↗32,2          | SPMT0903..  | 1230 5508 | 1.2 | 2.225 |
| PSC50-453431   | 1.969 | 1.220 | 5.551 | 3.819 | 3.661 | +0,99↗33,0          | SPMT0903..  | 1230 5508 | 1.2 | 2.340 |
| PSC50-453432   | 1.969 | 1.260 | 5.669 | 3.937 | 3.780 | +0,87↗33,7          | SPMT0903..  | 1230 5508 | 1.2 | 2.450 |
| PSC50-453433   | 1.969 | 1.299 | 5.827 | 4.055 | 3.898 | +0,75↗34,5          | SPMT0903..  | 1230 5508 | 1.2 | 2.600 |
| PSC50-453434   | 1.969 | 1.339 | 5.945 | 4.173 | 4.016 | +0,62↗35,2          | SPMT0903..  | 1230 5508 | 1.2 | 2.780 |
| PSC50-454435   | 1.969 | 1.378 | 6.102 | 4.291 | 4.134 | +0,50↗36,0          | SPMT1204..  | 1250 5520 | 4.0 | 2.935 |
| PSC50-454436   | 1.969 | 1.417 | 6.260 | 4.429 | 4.252 | +1,38↗38,8          | SPMT1204..  | 1250 5520 | 4.0 | 3.130 |
| PSC50-454437   | 1.969 | 1.457 | 6.378 | 4.528 | 4.370 | +1,25↗39,5          | SPMT1204..  | 1250 5520 | 4.0 | 3.240 |
| PSC50-454438   | 1.969 | 1.496 | 6.535 | 4.665 | 4.488 | +1,13↗40,2          | SPMT1204..  | 1250 5520 | 4.0 | 3.485 |
| PSC50-454439   | 1.969 | 1.535 | 6.653 | 4.763 | 4.606 | +1,00↗41,0          | SPMT1204..  | 1250 5520 | 4.0 | 3.615 |
| PSC50-454440   | 1.969 | 1.575 | 6.811 | 4.882 | 4.724 | +0,88↗41,8          | SPMT1204..  | 1250 5520 | 4.0 | 4.500 |
| PSC50-454441   | 1.969 | 1.614 | 6.970 | 5.000 | 4.843 | +0,75↗42,5          | SPMT1204..  | 1250 5520 | 4.0 | 4.500 |
| PSC50-454442   | 1.969 | 1.654 | 7.322 | 5.118 | 4.961 | +0,63↗43,2          | SPMT1204..  | 1250 5520 | 4.0 | 4.500 |
| PSC50-454443   | 1.969 | 1.693 | 7.480 | 5.236 | 5.079 | +0,50↗44,0          | SPMT1204..  | 1250 5520 | 4.0 | 4.740 |

## SPMT

Square positive insert with 11° clearance. H02

| Reference  | l     | T     | d     |
|------------|-------|-------|-------|
| SPMT060304 | 0.250 | 0.125 | 0.250 |
| SPMT070308 | 0.312 | 0.125 | 0.312 |
| SPMT090308 | 0.374 | 0.125 | 0.374 |
| SPMT120408 | 0.500 | 0.187 | 0.500 |

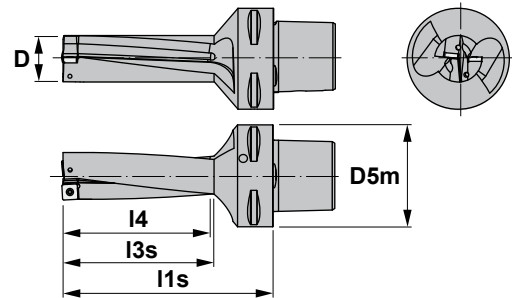


## SPMT



**Characteristics:**

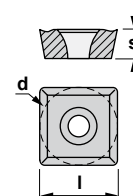
Helical flute indexable insert drills provide faster cutting speeds and efficient chip removal for use on conventional and C.N.C. machines.


**45..**


| Reference      | D5m   | D     | l1s   | l3s   | l4    | Radial Adj.<br>Dmax | Insert size |   | Nm  |  |
|----------------|-------|-------|-------|-------|-------|---------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|
| PSC63-451415   | 2.480 | 0.591 | 3.307 | 1.890 | 1.772 | +0,40↗15,8          | SPMT0603..  | 1225 5507                                                                                                                                                               | 0.9 | 1.850                                                                               |
| PSC63-451416   | 2.480 | 0.630 | 3.465 | 2.008 | 1.890 | +0,30↗16,6          | SPMT0603..  | 1225 5507                                                                                                                                                               | 0.9 | 1.895                                                                               |
| PSC63-451417   | 2.480 | 0.669 | 3.583 | 2.126 | 2.008 | +0,60↗18,2          | SPMT0603..  | 1225 5507                                                                                                                                                               | 0.9 | 1.920                                                                               |
| PSC63-451417,5 | 2.480 | 0.689 | 3.701 | 2.205 | 2.087 | +0,50↗18,5          | SPMT0603..  | 1225 5507                                                                                                                                                               | 0.9 | 1.940                                                                               |
| PSC63-451418   | 2.480 | 0.709 | 3.740 | 2.244 | 2.126 | +0,40↗18,8          | SPMT0603..  | 1225 5507                                                                                                                                                               | 0.9 | 1.940                                                                               |
| PSC63-451418,5 | 2.480 | 0.728 | 3.819 | 2.323 | 2.205 | +0,40↗19,3          | SPMT0603..  | 1225 5507                                                                                                                                                               | 0.9 | 1.985                                                                               |
| PSC63-451419   | 2.480 | 0.748 | 3.858 | 2.362 | 2.244 | +0,30↗19,6          | SPMT0603..  | 1225 5507                                                                                                                                                               | 0.9 | 1.985                                                                               |
| PSC63-451420   | 2.480 | 0.787 | 4.055 | 2.520 | 2.362 | +0,90↗21,8          | SPMT0603..  | 1225 5507                                                                                                                                                               | 0.9 | 2.050                                                                               |
| PSC63-452421   | 2.480 | 0.827 | 4.173 | 2.598 | 2.480 | +0,80↗22,6          | SPMT0703..  | 1225 5507                                                                                                                                                               | 0.9 | 2.115                                                                               |
| PSC63-452422   | 2.480 | 0.866 | 4.291 | 2.717 | 2.598 | +0,60↗23,2          | SPMT0703..  | 1225 5507                                                                                                                                                               | 0.9 | 2.140                                                                               |
| PSC63-452423   | 2.480 | 0.906 | 4.449 | 2.835 | 2.717 | +0,50↗24,0          | SPMT0703..  | 1225 5507                                                                                                                                                               | 0.9 | 2.225                                                                               |
| PSC63-452424   | 2.480 | 0.945 | 4.606 | 2.992 | 2.835 | +1,10↗26,2          | SPMT0703..  | 1225 5507                                                                                                                                                               | 0.9 | 2.295                                                                               |
| PSC63-452425   | 2.480 | 0.984 | 4.763 | 3.110 | 2.953 | +1,00↗27,0          | SPMT0703..  | 1225 5507                                                                                                                                                               | 0.9 | 2.380                                                                               |
| PSC63-453426   | 2.480 | 1.024 | 4.882 | 3.189 | 3.071 | +0,90↗27,8          | SPMT0903..  | 1230 5508                                                                                                                                                               | 1.2 | 2.470                                                                               |
| PSC63-453427   | 2.480 | 1.102 | 5.000 | 3.307 | 3.189 | +0,70↗28,4          | SPMT0903..  | 1230 5508                                                                                                                                                               | 1.2 | 2.560                                                                               |
| PSC63-453428   | 2.480 | 1.102 | 5.173 | 3.425 | 3.307 | +0,60↗29,2          | SPMT0903..  | 1230 5508                                                                                                                                                               | 1.2 | 2.670                                                                               |
| PSC63-453429   | 2.480 | 1.142 | 5.275 | 3.543 | 3.425 | +0,50↗30,0          | SPMT0903..  | 1230 5508                                                                                                                                                               | 1.2 | 2.780                                                                               |
| PSC63-453430   | 2.480 | 1.181 | 5.472 | 3.701 | 3.543 | +1,12↗32,2          | SPMT0903..  | 1230 5508                                                                                                                                                               | 1.2 | 2.910                                                                               |
| PSC63-453431   | 2.480 | 1.220 | 5.630 | 3.819 | 3.661 | +0,99↗33,0          | SPMT0903..  | 1230 5508                                                                                                                                                               | 1.2 | 3.020                                                                               |
| PSC63-453432   | 2.480 | 1.260 | 5.748 | 3.937 | 3.780 | +0,87↗33,7          | SPMT0903..  | 1230 5508                                                                                                                                                               | 1.2 | 3.150                                                                               |
| PSC63-453433   | 2.480 | 1.299 | 5.906 | 4.055 | 3.898 | +0,75↗34,5          | SPMT0903..  | 1230 5508                                                                                                                                                               | 1.2 | 3.305                                                                               |
| PSC63-453434   | 2.480 | 1.339 | 6.023 | 4.173 | 4.016 | +0,62↗35,2          | SPMT0903..  | 1230 5508                                                                                                                                                               | 1.2 | 3.440                                                                               |
| PSC63-454435   | 2.480 | 1.378 | 6.181 | 4.291 | 4.134 | +0,50↗36,0          | SPMT1204..  | 1250 5520                                                                                                                                                               | 4.0 | 3.595                                                                               |
| PSC63-454436   | 2.480 | 1.417 | 6.339 | 4.429 | 4.252 | +1,38↗38,8          | SPMT1204..  | 1250 5520                                                                                                                                                               | 4.0 | 3.770                                                                               |
| PSC63-454437   | 2.480 | 1.457 | 6.456 | 4.528 | 4.370 | +1,25↗39,5          | SPMT1204..  | 1250 5520                                                                                                                                                               | 4.0 | 3.950                                                                               |
| PSC63-454438   | 2.480 | 1.496 | 6.614 | 4.665 | 4.488 | +1,13↗40,2          | SPMT1204..  | 1250 5520                                                                                                                                                               | 4.0 | 4.145                                                                               |
| PSC63-454439   | 2.480 | 1.535 | 6.732 | 4.763 | 4.606 | +1,00↗41,0          | SPMT1204..  | 1250 5520                                                                                                                                                               | 4.0 | 4.275                                                                               |
| PSC63-454440   | 2.480 | 1.575 | 6.890 | 4.882 | 4.724 | +0,88↗41,8          | SPMT1204..  | 1250 5520                                                                                                                                                               | 4.0 | 4.500                                                                               |
| PSC63-454441   | 2.480 | 1.614 | 7.047 | 5.000 | 4.843 | +0,75↗42,5          | SPMT1204..  | 1250 5520                                                                                                                                                               | 4.0 | 4.760                                                                               |
| PSC63-454442   | 2.480 | 1.654 | 7.165 | 5.118 | 4.961 | +0,63↗43,2          | SPMT1204..  | 1250 5520                                                                                                                                                               | 4.0 | 5.005                                                                               |
| PSC63-454443   | 2.480 | 1.693 | 7.322 | 5.236 | 5.079 | +0,50↗44,0          | SPMT1204..  | 1250 5520                                                                                                                                                               | 4.0 | 5.180                                                                               |

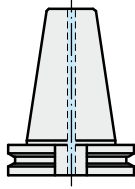
**SPMT**
 Square positive insert with 11° clearance.  H02

| Reference  | l     | T     | d     |
|------------|-------|-------|-------|
| SPMT060304 | 0.250 | 0.125 | 0.250 |
| SPMT070308 | 0.312 | 0.125 | 0.312 |
| SPMT090308 | 0.374 | 0.125 | 0.374 |
| SPMT120408 | 0.500 | 0.187 | 0.500 |

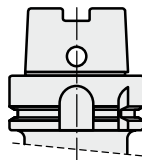
**SPMT**

**CANELA also offers a full range of adapters.**

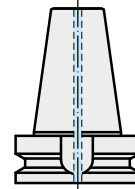
**13**  
ISO 7388  
DIN 69871/A



**16**  
HSK  
DIN 69893-1

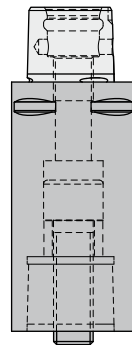


**23**  
ISO  
JIS B 6339-BT

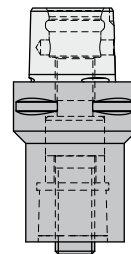


**18.218**

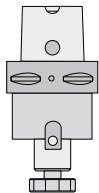
EXTENSION



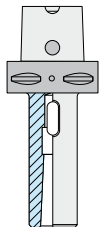
REDUCER



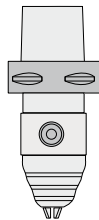
**18.160**



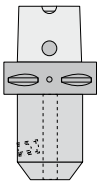
**18.215**



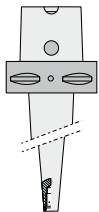
**18.296**



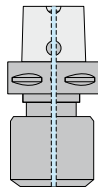
**18.306**



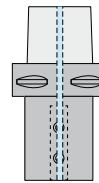
**18.315**



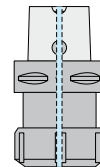
**18.400**



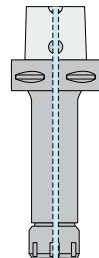
**18.406**



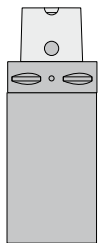
**18.453**



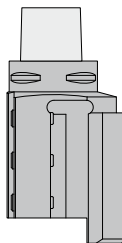
**18.455**



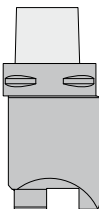
**18.470**



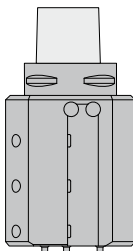
**18.500**



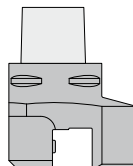
**18.510**



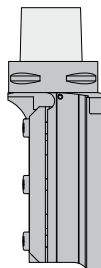
**18.520**



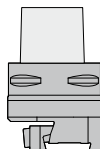
**18.530**



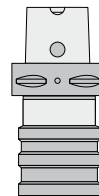
**18.540**



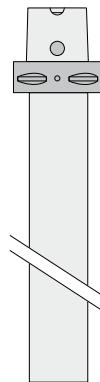
**18.550**



**18.620**



**18.999**

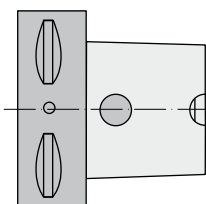


# Code system

**18****1****160****2****050****3****0125****4****1****Model**

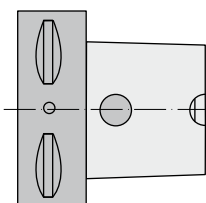
PSC

ISO 26623-1

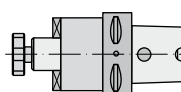
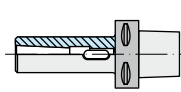
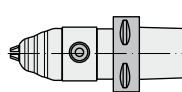
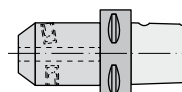
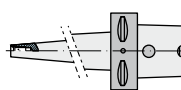
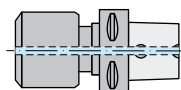
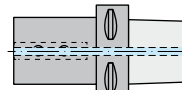
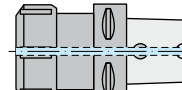
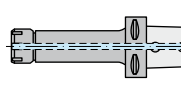
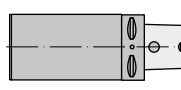
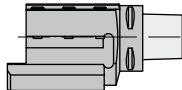
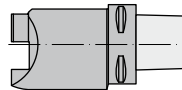
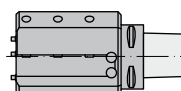
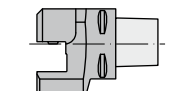
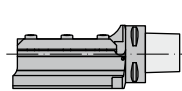
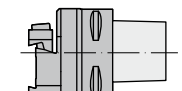
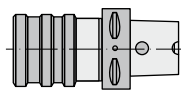
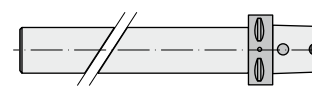
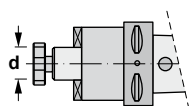
**18****3****Arbor size**

PSC

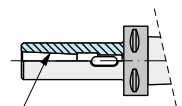
ISO 26623-1



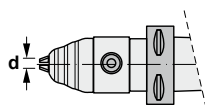
32 | 40 | 50 | 63 | 80 | 100

**2****Arbor type****160****215****296****306****315****400****406****453****455****470****500****510****520****530****540****550****620****999****4****Adaptor size**

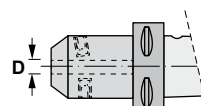
Ø 16 ... Ø 60  
0.630 ... 2.362

K<sub>1</sub> - MORSEK<sub>1</sub>

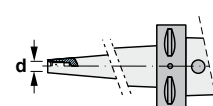
MK2 MK3 MK4 MK5  
02 03 04 05



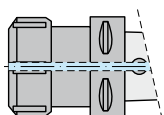
Ø 13 Ø 16  
0.511 0.630



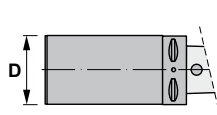
Ø 25 ... Ø 100  
0.984 ... 3.937



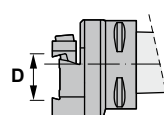
M M M M  
M8 M10 M12 M16



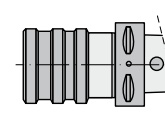
ER16 ... ER50  
16 ... 50



Ø 32 ... Ø 200  
1.260 ... 7.874



Ø 20 ... Ø 50  
0.787 ... 1.969



M3-M12 M8-M20 M14-M33  
12 20 33

## AT3 TECHNICAL CHARACTERISTICS OF THE TOOLHOLDERS

### MATERIAL:

- Chromium-manganese carburised steel 1.7131 (16MnCr5).

### EXECUTION:

- Carburised, hardened and tempered.
- Surface hardness HRC 58±2 (670±40 HV30)
- Depth of carburised layer minimum 0.020 inches.
- Tensile strength in core minimum 800 N/mm<sup>2</sup> after carburizing.

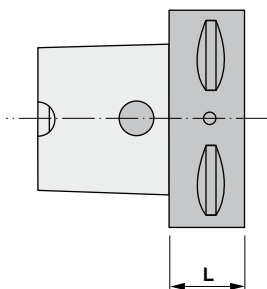
### ACCURACY:

- Taper according to DIN 254
- Taper angle:  
tolerance AT 3 DIN 7178 part 1 and DIN 2080 part 1.
- Other tolerances according to DIN 7160 and 7168.
- Taper surface roughness RZ<0.039 inches.

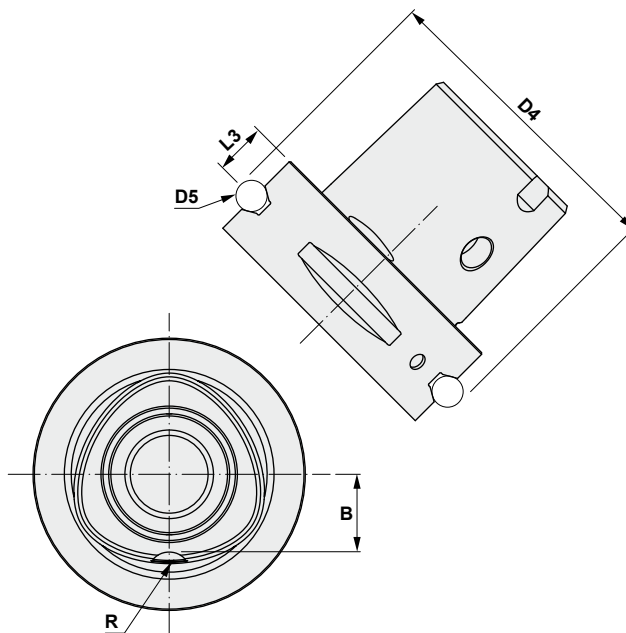
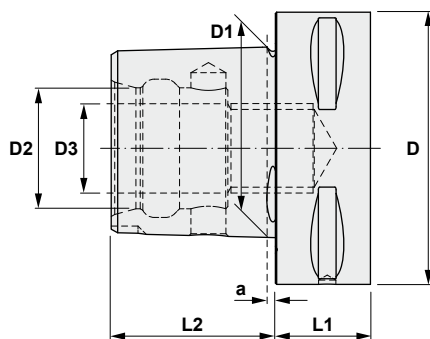
### TOLERANCE AT:

- Indicates the tolerance of measuring plane D between the real and the theoretical value of the taper conicity.
- This value of measuring plane D must always be less (negative), never more (positive) in order to GUARANTEE a good toolholder fixation at the bigger taper diameter.

| K      | AT3 mm |
|--------|--------|
| ISO 30 | 0,002  |
| ISO 40 | 0,003  |
| ISO 45 | 0,003  |
| ISO 50 | 0,004  |
| ISO 60 | 0,005  |



## 18 PSC ISO 26623-1



| PSC | D     | D1    | D2    | D3        | D4    | D5    | L1 min | L2    | L3    | a     | B     | R     |
|-----|-------|-------|-------|-----------|-------|-------|--------|-------|-------|-------|-------|-------|
| 32  | 1.260 | 0.866 | 0.591 | M12 x 1,5 | 1.535 | 0.197 | 0.591  | 0.748 | 0.236 | 0.096 | 0.354 | 0.118 |
| 40  | 1.575 | 1.102 | 0.709 | M14 x 1,5 | 1.811 | 0.197 | 0.787  | 0.945 | 0.315 | 0.096 | 0.433 | 0.118 |
| 50  | 1.969 | 1.378 | 0.827 | M16 x 1,5 | 2.335 | 0.276 | 0.787  | 1.181 | 0.394 | 0.118 | 0.551 | 0.157 |
| 63  | 2.480 | 1.732 | 1.102 | M20 x 2,0 | 2.783 | 0.276 | 0.866  | 1.496 | 0.472 | 0.118 | 0.709 | 0.197 |
| 80  | 3.150 | 2.165 | 1.260 | M20 x 2,0 | 3.386 | 0.276 | 1.181  | 1.890 | 0.472 | 0.118 | 0.874 | 0.236 |
| 100 | 3.937 | 2.835 | 1.693 | M24 x 2,0 | 4.331 | 0.394 | 1.260  | 2.362 | 0.630 | 0.118 | 1.150 | 0.236 |

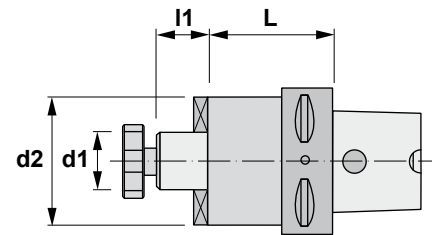
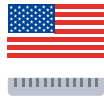


## Arbors and adaptors PSC ISO 26623-1

|                                                                                                                            |                                                                                                                            |                                                                                                                                    |                                                                                                                                   |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>18.160</b><br><br><i>Page E84-85</i>   | <b>18.215</b><br><br><i>Page E86</i>      | <b>18.296</b><br><br><i>Page E87</i>              | <b>18.306</b><br><br><i>Page E88-89</i>         | <b>18.315</b><br><br><i>Page E90</i>    |
| <b>18.400</b><br><br><i>Page E92-93</i>   | <b>18.406</b><br><br><i>Page E94-95</i>   | <b>18.453</b><br><br><i>Page E96</i>              | <b>18.455</b><br><br><i>Page E97</i>            | <b>18.470</b><br><br><i>Page E98</i>    |
| <b>18.500</b><br><br><i>Page E100-101</i> | <b>18.510</b><br><br><i>Page E102-103</i> | <b>18.520</b><br><br><i>Page E104-105</i>         | <b>18.530</b><br><br><i>Page E106-107</i>       | <b>18.540</b><br><br><i>Page E108</i>   |
| <b>18.550</b><br><br><i>Page E109</i>   | <b>18.620</b><br><br><i>Page E110</i>   | <b>18.999</b><br><br><i>Page E111</i>           |                                                                                                                                   |                                                                                                                            |
| <b>13.218</b><br><br><i>Page E112</i>   | <b>16.218</b><br><br><i>Page E113</i>   | <b>18.218 Extension</b><br><br><i>Page E114</i> | <b>18.218 Reducer</b><br><br><i>Page E115</i> | <b>23.218</b><br><br><i>Page E116</i> |
| <b>MC</b><br><br><i>Page E117</i>       | <b>AC</b><br><br><i>Page E117</i>       |                                                                                                                                    |                                                                                                                                   |                                                                                                                            |



Characteristics:  
Shell mill adaptor.  
PSC ISO 26623-1  
For cutters with driving slot DIN 138.

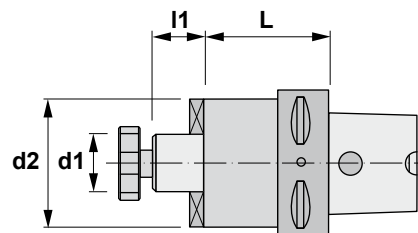


## 18.160

| Reference       | PSC | d1 h6 | L     | l1    | d2    |  |  |  |  |
|-----------------|-----|-------|-------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 18.160.040.0075 | 40  | 0.750 | 0.984 | 0.709 | 1.575 | 10107                                                                               | 86207                                                                               | 11103                                                                               | 1.235                                                                               |
| 18.160.040.0100 | 40  | 1.000 | 1.378 | 0.709 | 1.968 | 10110                                                                               | 86310                                                                               | 11004                                                                               | 1.700                                                                               |
| 18.160.050.0075 | 50  | 0.750 | 0.984 | 0.709 | 1.693 | 10107                                                                               | 86207                                                                               | 11103                                                                               | 2.250                                                                               |
| 18.160.050.0100 | 50  | 1.000 | 0.984 | 0.709 | 2.126 | 10110                                                                               | 86210                                                                               | 11004                                                                               | 1.140                                                                               |
| 18.160.050.0125 | 50  | 1.250 | 1.575 | 0.709 | 2.480 | 10112                                                                               | 86212                                                                               | 11105                                                                               | 1.320                                                                               |
| 18.160.050.0150 | 50  | 1.500 | 1.772 | 0.906 | 3.150 | 10115                                                                               | 86315                                                                               | 11006                                                                               | 1.810                                                                               |
| 18.160.063.0075 | 63  | 0.750 | 1.181 | 0.709 | 2.047 | 10107                                                                               | 86207                                                                               | 11103                                                                               | 1.875                                                                               |
| 18.160.063.0100 | 63  | 1.000 | 1.181 | 0.709 | 2.480 | 10110                                                                               | 86210                                                                               | 11004                                                                               | 1.900                                                                               |
| 18.160.063.0125 | 63  | 1.250 | 1.181 | 0.709 | 2.559 | 10112                                                                               | 86212                                                                               | 11105                                                                               | 1.965                                                                               |
| 18.160.063.0150 | 63  | 1.500 | 1.969 | 0.906 | 3.150 | 10115                                                                               | 86315                                                                               | 11006                                                                               | 3.900                                                                               |
| 18.160.080.0075 | 80  | 0.750 | 1.181 | 0.709 | 2.047 | 10107                                                                               | 86207                                                                               | 11103                                                                               | 3.880                                                                               |
| 18.160.080.0100 | 80  | 1.000 | 1.181 | 0.709 | 2.480 | 10110                                                                               | 86210                                                                               | 11004                                                                               | 3.950                                                                               |
| 18.160.080.0125 | 80  | 1.250 | 1.181 | 0.709 | 2.835 | 10112                                                                               | 86212                                                                               | 11105                                                                               | 4.035                                                                               |
| 18.160.080.0150 | 80  | 1.500 | 2.362 | 0.906 | 3.150 | 10115                                                                               | 86215                                                                               | 11006                                                                               | 5.250                                                                               |



Characteristics:  
Shell mill adaptor.  
PSC ISO 26623-1  
For cutters with driving slot DIN 138.

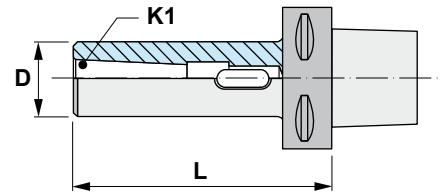


## 18.160

| Reference         | PSC | d1 h6 | L     | l1    | d2    |  |  |  |  |
|-------------------|-----|-------|-------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 18.160.040.16     | 40  | 0.630 | 2.165 | 0.669 | 1.457 | 10008                                                                               | 86016                                                                               | 11103                                                                               | 1.235                                                                               |
| 18.160.040.22     | 40  | 0.866 | 2.165 | 0.748 | 1.850 | 10010                                                                               | 86022                                                                               | 11004                                                                               | 1.700                                                                               |
| 18.160.050.16     | 50  | 0.630 | 2.362 | 0.669 | 1.457 | 10008                                                                               | 86016                                                                               | 11103                                                                               | 1.720                                                                               |
| 18.160.050.22     | 50  | 0.866 | 2.362 | 0.748 | 1.850 | 10010                                                                               | 86022                                                                               | 11004                                                                               | 2.250                                                                               |
| 18.160.050.27     | 50  | 1.063 | 2.362 | 0.827 | 2.283 | 10012                                                                               | 86027                                                                               | 11005                                                                               | 2.800                                                                               |
| 18.160.050.32     | 50  | 1.260 | 2.362 | 0.945 | 2.480 | 10016                                                                               | 86032                                                                               | 11105                                                                               | 3.310                                                                               |
| 18.160.063.16     | 63  | 0.630 | 2.480 | 0.669 | 1.457 | 10008                                                                               | 86016                                                                               | 11103                                                                               | 2.360                                                                               |
| 18.160.063.22     | 63  | 0.866 | 0.984 | 0.748 | 1.850 | 10010                                                                               | 86122                                                                               | 11004                                                                               | 1.810                                                                               |
| 18.160.063.22/100 | 63  | 0.866 | 3.937 | 0.748 | 1.850 | 10010                                                                               | 86022                                                                               | 11004                                                                               | 3.990                                                                               |
| 18.160.063.27     | 63  | 1.063 | 0.984 | 0.827 | 2.283 | 10012                                                                               | 86127                                                                               | 11005                                                                               | 1.875                                                                               |
| 18.160.063.27/100 | 63  | 1.063 | 3.937 | 0.827 | 2.283 | 10012                                                                               | 86027                                                                               | 11005                                                                               | 5.270                                                                               |
| 18.160.063.32     | 63  | 1.260 | 0.984 | 0.945 | 2.480 | 10016                                                                               | 86132                                                                               | 11105                                                                               | 1.965                                                                               |
| 18.160.063.32/100 | 63  | 1.260 | 3.937 | 0.945 | 2.480 | 10016                                                                               | 86032                                                                               | 11105                                                                               | 5.975                                                                               |
| 18.160.063.40     | 63  | 1.575 | 1.575 | 1.063 | 3.504 | 10020                                                                               | 80040                                                                               | 11006                                                                               | 3.900                                                                               |
| 18.160.063.40/100 | 63  | 1.575 | 3.937 | 1.063 | 2.756 | 10020                                                                               | 86040                                                                               | 11006                                                                               | 7.120                                                                               |
| 18.160.080.16     | 80  | 0.630 | 1.969 | 0.669 | 1.457 | 10008                                                                               | 86016                                                                               | 11103                                                                               | 4.190                                                                               |
| 18.160.080.22     | 80  | 0.866 | 1.181 | 0.748 | 1.850 | 10010                                                                               | 86122                                                                               | 11004                                                                               | 3.880                                                                               |
| 18.160.080.22/100 | 80  | 0.866 | 3.937 | 0.748 | 1.850 | 10010                                                                               | 86022                                                                               | 11004                                                                               | 5.975                                                                               |
| 18.160.080.27     | 80  | 1.063 | 1.181 | 0.827 | 2.283 | 10012                                                                               | 86127                                                                               | 11005                                                                               | 3.950                                                                               |
| 18.160.080.27/100 | 80  | 1.063 | 3.937 | 0.827 | 2.283 | 10012                                                                               | 86027                                                                               | 11005                                                                               | 7.145                                                                               |
| 18.160.080.32     | 80  | 1.260 | 1.181 | 0.945 | 2.480 | 10016                                                                               | 86132                                                                               | 11105                                                                               | 4.035                                                                               |
| 18.160.080.32/100 | 80  | 1.260 | 3.937 | 0.945 | 2.480 | 10016                                                                               | 86032                                                                               | 11105                                                                               | 7.785                                                                               |
| 18.160.080.40     | 80  | 1.575 | 1.575 | 1.063 | 2.480 | 10020                                                                               | 86140                                                                               | 11006                                                                               | 5.250                                                                               |
| 18.160.080.40/100 | 80  | 1.575 | 3.937 | 1.063 | 2.756 | 10020                                                                               | 86040                                                                               | 11006                                                                               | 8.820                                                                               |
| 18.160.080.60     | 80  | 2.362 | 2.362 | 1.575 | 5.118 | -                                                                                   | 80060                                                                               | 11012                                                                               | 11.950                                                                              |
| 18.160.100.16     | 100 | 0.630 | 1.969 | 0.669 | 1.457 | 10008                                                                               | 86016                                                                               | 11103                                                                               | 7.190                                                                               |
| 18.160.100.22     | 100 | 0.866 | 1.969 | 0.748 | 1.850 | 10010                                                                               | 86022                                                                               | 11004                                                                               | 7.450                                                                               |
| 18.160.100.22/100 | 100 | 0.866 | 3.937 | 0.748 | 1.850 | 10010                                                                               | 86022                                                                               | 11004                                                                               | 8.930                                                                               |
| 18.160.100.27     | 100 | 1.063 | 1.969 | 0.827 | 2.283 | 10012                                                                               | 86027                                                                               | 11005                                                                               | 7.785                                                                               |
| 18.160.100.27/100 | 100 | 1.063 | 3.937 | 0.827 | 2.283 | 10012                                                                               | 86027                                                                               | 11005                                                                               | 10.055                                                                              |
| 18.160.100.32     | 100 | 1.260 | 1.969 | 0.945 | 2.480 | 10016                                                                               | 86032                                                                               | 11105                                                                               | 8.575                                                                               |
| 18.160.100.32/100 | 100 | 1.260 | 3.937 | 0.945 | 2.480 | 10016                                                                               | 86032                                                                               | 11105                                                                               | 12.920                                                                              |
| 18.160.100.40     | 100 | 1.575 | 1.969 | 1.063 | 2.480 | 10020                                                                               | 86040                                                                               | 11006                                                                               | 8.775                                                                               |
| 18.160.100.40/100 | 100 | 1.575 | 3.937 | 1.063 | 2.480 | 10020                                                                               | 86040                                                                               | 11006                                                                               | 13.095                                                                              |
| 18.160.100.60     | 100 | 2.362 | 2.756 | 1.575 | 5.118 | -                                                                                   | 80060                                                                               | 11012                                                                               | 16.780                                                                              |



Characteristics:  
Reducing adaptor.  
PSC ISO 26623-1  
For tools with Morse taper shank  
and tang DIN 228-B. Form B.



## 18.215

| Reference     | PSC | K1 MORSE | L     | D     |  |
|---------------|-----|----------|-------|-------|-------------------------------------------------------------------------------------|
| 18.215.050.02 | 50  | 2        | 4.331 | 1.260 | 1.895                                                                               |
| 18.215.050.03 | 50  | 3        | 5.118 | 1.575 | 2.710                                                                               |
| 18.215.063.02 | 63  | 2        | 4.331 | 1.260 | 2.515                                                                               |
| 18.215.063.03 | 63  | 3        | 5.118 | 1.575 | 3.310                                                                               |
| 18.215.063.04 | 63  | 4        | 5.906 | 2.047 | 4.960                                                                               |
| 18.215.080.03 | 80  | 3        | 4.724 | 1.575 | 5.160                                                                               |
| 18.215.080.04 | 80  | 4        | 5.512 | 2.047 | 6.570                                                                               |
| 18.215.080.05 | 80  | 5        | 6.299 | 2.480 | 7.675                                                                               |
| 18.215.100.03 | 100 | 3        | 5.118 | 1.575 | 8.335                                                                               |
| 18.215.100.04 | 100 | 4        | 5.906 | 2.047 | 9.875                                                                               |
| 18.215.100.05 | 100 | 5        | 6.890 | 2.480 | 11.310                                                                              |

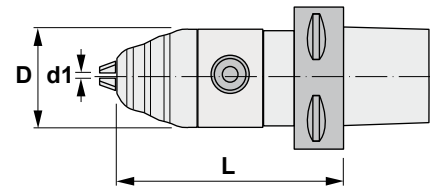



**Characteristics:**

CNC-Universal precision drill chucks.

PSC ISO 26623-1

For left and right hand turn.

**\* SUPPLIED WITH WRENCH**


## 18.296

| Reference     | PSC | d1            | D     | L     |  |
|---------------|-----|---------------|-------|-------|-------------------------------------------------------------------------------------|
| 18.296.040.13 | 40  | 0.020 - 0.512 | 1.969 | 4.409 | 3.440                                                                               |
| 18.296.050.13 | 50  | 0.020 - 0.512 | 1.969 | 4.409 | 3.815                                                                               |
| 18.296.063.13 | 63  | 0.020 - 0.512 | 1.969 | 4.409 | 5.115                                                                               |
| 18.296.063.16 | 63  | 0.118 - 0.630 | 2.244 | 4.409 | 5.180                                                                               |
| 18.296.080.13 | 80  | 0.020 - 0.512 | 1.969 | 4.921 | 6.680                                                                               |
| 18.296.080.16 | 80  | 0.118 - 0.630 | 2.244 | 4.921 | 7.230                                                                               |
| 18.296.100.13 | 100 | 0.020 - 0.512 | 1.969 | 5.315 | 9.370                                                                               |
| 18.296.100.16 | 100 | 0.118 - 0.630 | 2.244 | 5.315 | 9.700                                                                               |

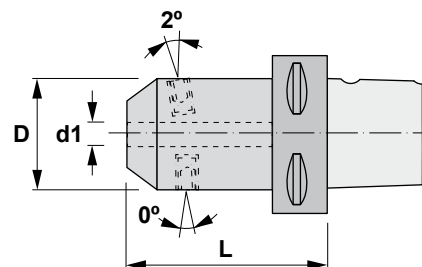
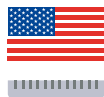
| Reference     |  | 3x  |
|---------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 18.296.040.13 | 50706                                                                               | 60313                                                                                    |
| 18.296.050.13 | 50706                                                                               | 60313                                                                                    |
| 18.296.063.13 | 50706                                                                               | 60313                                                                                    |
| 18.296.063.16 | 50706                                                                               | 60313                                                                                    |
| 18.296.080.13 | 50706                                                                               | 60313                                                                                    |
| 18.296.080.16 | 50706                                                                               | 60313                                                                                    |
| 18.296.100.13 | 50706                                                                               | 60313                                                                                    |
| 18.296.100.16 | 50706                                                                               | 60313                                                                                    |



#### Characteristics:

Combined end mill adaptors type Weldon /  
Whistle-Notch. PSC ISO 26623-1

For tools with cylindrical shank and  
tightening inclined flat DIN 1835-B+E.



## 18.306

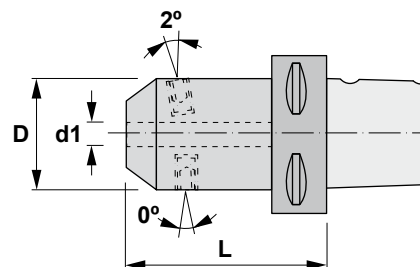
| Reference       | PSC | d1    | L     | D     | 2x  |  |
|-----------------|-----|-------|-------|-------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 18.306.040.0037 | 40  | 0.375 | 2.008 | 1.000 | 15403                                                                                  | 0.815                                                                               |
| 18.306.040.0050 | 40  | 0.500 | 2.205 | 1.248 | 15405                                                                                  | 1.255                                                                               |
| 18.306.040.0062 | 40  | 0.625 | 2.165 | 1.614 | 15406                                                                                  | 1.435                                                                               |
| 18.306.040.0075 | 40  | 0.750 | 2.362 | 1.752 | 15407                                                                                  | 1.650                                                                               |
| 18.306.050.0037 | 50  | 0.375 | 2.165 | 1.000 | 15403                                                                                  | 1.280                                                                               |
| 18.306.050.0050 | 50  | 0.500 | 2.362 | 1.248 | 15405                                                                                  | 1.610                                                                               |
| 18.306.050.0062 | 50  | 0.625 | 2.362 | 1.614 | 15406                                                                                  | 1.920                                                                               |
| 18.306.050.0075 | 50  | 0.750 | 2.362 | 1.752 | 15407                                                                                  | 2.160                                                                               |
| 18.306.050.0087 | 50  | 0.875 | 2.953 | 1.969 | 15408                                                                                  | 2.250                                                                               |
| 18.306.050.0100 | 50  | 1.000 | 3.347 | 2.248 | 4 x 15410                                                                              | 3.570                                                                               |
| 18.306.050.0125 | 50  | 1.250 | 3.347 | 2.480 | 4 x 15410                                                                              | 3.680                                                                               |
| 18.306.063.0037 | 63  | 0.375 | 2.362 | 1.000 | 15403                                                                                  | 2.120                                                                               |
| 18.306.063.0050 | 63  | 0.500 | 2.362 | 1.248 | 15405                                                                                  | 2.425                                                                               |
| 18.306.063.0062 | 63  | 0.625 | 2.560 | 1.614 | 15406                                                                                  | 2.820                                                                               |
| 18.306.063.0075 | 63  | 0.750 | 2.560 | 1.752 | 15407                                                                                  | 2.910                                                                               |
| 18.306.063.0087 | 63  | 0.875 | 3.150 | 1.969 | 15408                                                                                  | 3.150                                                                               |
| 18.306.063.0100 | 63  | 1.000 | 3.347 | 2.248 | 4 x 15410                                                                              | 4.585                                                                               |
| 18.306.063.0125 | 63  | 1.250 | 3.347 | 2.480 | 4 x 15410                                                                              | 4.610                                                                               |
| 18.306.063.0150 | 63  | 1.500 | 3.543 | 2.756 | 4 x 15414                                                                              | 4.825                                                                               |
| 18.306.080.0037 | 80  | 0.375 | 2.756 | 1.000 | 15403                                                                                  | 4.190                                                                               |
| 18.306.080.0050 | 80  | 0.500 | 2.756 | 1.248 | 15405                                                                                  | 4.280                                                                               |
| 18.306.080.0062 | 80  | 0.625 | 2.756 | 1.614 | 15406                                                                                  | 4.875                                                                               |
| 18.306.080.0075 | 80  | 0.750 | 2.953 | 1.752 | 15407                                                                                  | 5.140                                                                               |
| 18.306.080.0087 | 80  | 0.875 | 3.150 | 1.969 | 15408                                                                                  | 5.290                                                                               |
| 18.306.080.0100 | 80  | 1.000 | 3.150 | 2.248 | 4 x 15410                                                                              | 6.635                                                                               |
| 18.306.080.0125 | 80  | 1.250 | 3.150 | 2.480 | 4 x 15410                                                                              | 6.840                                                                               |
| 18.306.080.0150 | 80  | 1.500 | 3.347 | 2.756 | 4 x 15414                                                                              | 7.030                                                                               |
| 18.306.080.0200 | 80  | 2.000 | 4.528 | 3.681 | 4 x 15420                                                                              | 8.290                                                                               |



#### Characteristics:

Combined end mill adaptors type Weldon / Whistle-Notch. PSC ISO 26623-1

For tools with cylindrical shank and tightening inclined flat DIN 1835-B+E.



## 18.306

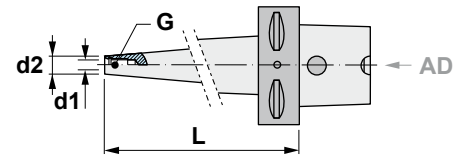
| Reference     | PSC | d1    | L     | D     | 2x        | lbs    |
|---------------|-----|-------|-------|-------|-----------|--------|
| 18.306.040.06 | 40  | 0.236 | 1.969 | 0.984 | 15106     | 0.770  |
| 18.306.040.08 | 40  | 0.315 | 1.969 | 1.102 | 15108     | 0.815  |
| 18.306.040.10 | 40  | 0.394 | 1.969 | 1.378 | 15110     | 0.970  |
| 18.306.040.12 | 40  | 0.472 | 2.165 | 1.654 | 15212     | 1.255  |
| 18.306.040.16 | 40  | 0.630 | 2.165 | 1.890 | 15314     | 1.435  |
| 18.306.050.06 | 50  | 0.236 | 2.165 | 0.984 | 15106     | 1.215  |
| 18.306.050.08 | 50  | 0.315 | 2.165 | 1.102 | 15108     | 1.280  |
| 18.306.050.10 | 50  | 0.394 | 2.559 | 1.378 | 15110     | 1.610  |
| 18.306.050.12 | 50  | 0.472 | 2.559 | 1.654 | 15212     | 1.920  |
| 18.306.050.14 | 50  | 0.551 | 2.559 | 1.654 | 15212     | 1.875  |
| 18.306.050.16 | 50  | 0.630 | 2.559 | 1.890 | 15314     | 2.160  |
| 18.306.050.18 | 50  | 0.709 | 2.559 | 1.890 | 15314     | 2.095  |
| 18.306.050.20 | 50  | 0.787 | 2.559 | 2.047 | 15216     | 2.250  |
| 18.306.050.25 | 50  | 0.984 | 3.150 | 2.559 | 4 x 15218 | 3.570  |
| 18.306.063.06 | 63  | 0.236 | 3.150 | 0.984 | 15106     | 2.030  |
| 18.306.063.08 | 63  | 0.315 | 3.150 | 1.102 | 15108     | 2.120  |
| 18.306.063.10 | 63  | 0.394 | 3.150 | 1.378 | 15110     | 2.425  |
| 18.306.063.12 | 63  | 0.472 | 3.150 | 1.654 | 15212     | 2.820  |
| 18.306.063.14 | 63  | 0.551 | 3.150 | 1.654 | 15212     | 2.780  |
| 18.306.063.16 | 63  | 0.630 | 3.150 | 1.890 | 15314     | 3.150  |
| 18.306.063.18 | 63  | 0.709 | 3.150 | 1.890 | 15314     | 3.090  |
| 18.306.063.20 | 63  | 0.787 | 3.150 | 2.047 | 15216     | 3.330  |
| 18.306.063.25 | 63  | 0.984 | 3.543 | 2.559 | 4 x 15218 | 4.585  |
| 18.306.063.32 | 63  | 1.260 | 3.543 | 2.835 | 4 x 15220 | 4.170  |
| 18.306.063.40 | 63  | 1.575 | 3.740 | 3.150 | 4 x 15220 | 3.705  |
| 18.306.080.06 | 80  | 0.236 | 3.150 | 0.984 | 15106     | 4.190  |
| 18.306.080.08 | 80  | 0.315 | 3.150 | 1.102 | 15108     | 4.280  |
| 18.306.080.10 | 80  | 0.394 | 3.150 | 1.378 | 15110     | 4.540  |
| 18.306.080.12 | 80  | 0.472 | 3.150 | 1.654 | 15212     | 4.875  |
| 18.306.080.14 | 80  | 0.551 | 3.150 | 1.654 | 15212     | 4.830  |
| 18.306.080.16 | 80  | 0.630 | 3.150 | 1.890 | 15314     | 5.140  |
| 18.306.080.20 | 80  | 0.787 | 3.150 | 2.047 | 15216     | 5.290  |
| 18.306.080.25 | 80  | 0.984 | 3.543 | 2.559 | 4 x 15218 | 6.635  |
| 18.306.080.32 | 80  | 1.260 | 3.543 | 2.835 | 4 x 15220 | 7.030  |
| 18.306.080.40 | 80  | 1.575 | 4.331 | 3.150 | 4 x 15220 | 8.775  |
| 18.306.080.50 | 80  | 1.969 | 4.724 | 3.937 | 4 x 15024 | 8.290  |
| 18.306.100.12 | 100 | 0.472 | 3.937 | 1.654 | 15212     | 8.270  |
| 18.306.100.16 | 100 | 0.630 | 3.937 | 1.890 | 15314     | 8.665  |
| 18.306.100.20 | 100 | 0.787 | 3.937 | 2.047 | 15216     | 8.865  |
| 18.306.100.25 | 100 | 0.984 | 3.937 | 2.559 | 4 x 15218 | 10.030 |
| 18.306.100.32 | 100 | 1.260 | 3.937 | 2.835 | 4 x 15220 | 10.470 |
| 18.306.100.40 | 100 | 1.575 | 4.724 | 3.150 | 4 x 15220 | 12.345 |
| 18.306.100.50 | 100 | 1.969 | 5.118 | 3.937 | 4 x 15024 | 16.535 |







Characteristics:  
Mill adaptors.  
PSC ISO 26623-1  
For frontal end mill support  
screwed shanks.



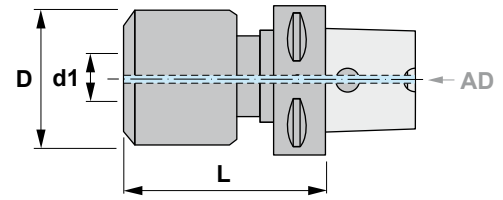
## 18.315

| Reference     | PSC | L     | d1  | d2    |  |
|---------------|-----|-------|-----|-------|-------------------------------------------------------------------------------------|
| 18.315.040.08 | 40  | 2.756 | M8  | 0.512 | 0.685                                                                               |
| 18.315.040.10 | 40  | 3.150 | M10 | 0.709 | 0.860                                                                               |
| 18.315.040.12 | 40  | 3.150 | M12 | 0.827 | 0.950                                                                               |
| 18.315.050.08 | 50  | 2.756 | M8  | 0.512 | 1.080                                                                               |
| 18.315.050.10 | 50  | 3.150 | M10 | 0.709 | 1.255                                                                               |
| 18.315.050.12 | 50  | 3.150 | M12 | 0.827 | 1.345                                                                               |
| 18.315.050.16 | 50  | 3.150 | M16 | 1.142 | 1.655                                                                               |
| 18.315.063.08 | 63  | 2.756 | M8  | 0.512 | 1.700                                                                               |
| 18.315.063.10 | 63  | 3.543 | M10 | 0.709 | 1.940                                                                               |
| 18.315.063.12 | 63  | 3.937 | M12 | 0.827 | 2.160                                                                               |
| 18.315.063.16 | 63  | 3.937 | M16 | 1.142 | 2.580                                                                               |
| 18.315.080.12 | 80  | 3.937 | M12 | 0.827 | 4.300                                                                               |
| 18.315.080.16 | 80  | 3.937 | M16 | 1.142 | 4.650                                                                               |
| 18.315.100.12 | 100 | 4.724 | M12 | 0.827 | 7.915                                                                               |
| 18.315.100.16 | 100 | 4.724 | M16 | 1.142 | 7.850                                                                               |





Characteristics:  
Strong hold collet chuck for cylindrical  
collets.  
PSC ISO 26623-1

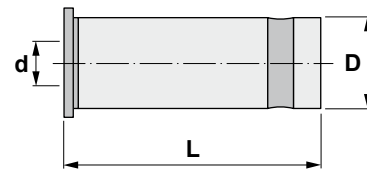


## 18.400

| Reference       | PSC | L     | d1    | D     | lbs    |
|-----------------|-----|-------|-------|-------|--------|
| 18.400.063.0075 | 63  | 3.661 | 0.750 | 2.125 | 3.725  |
| 18.400.080.0075 | 80  | 3.503 | 0.750 | 2.834 | 5.490  |
| 18.400.080.0125 | 80  | 3.976 | 1.250 | 2.834 | 6.925  |
| 18.400.100.0125 | 100 | 4.724 | 1.250 | 2.834 | 11.375 |

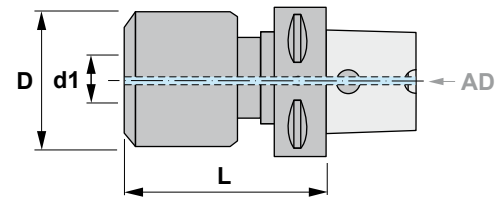
### Complements (Collets type C)

| Reference | d     | D     | L     |
|-----------|-------|-------|-------|
| C2006     | 0.236 | 0.787 | 2.165 |
| C2008     | 0.315 | 0.787 | 2.165 |
| C2010     | 0.394 | 0.787 | 2.165 |
| C2012     | 0.472 | 0.787 | 2.165 |
| C2016     | 0.630 | 0.787 | 2.165 |
| C3206     | 0.236 | 1.260 | 2.559 |
| C3208     | 0.315 | 1.260 | 2.559 |
| C3210     | 0.394 | 1.260 | 2.559 |
| C3212     | 0.472 | 1.260 | 2.559 |
| C3216     | 0.630 | 1.260 | 2.559 |
| C3220     | 0.787 | 1.260 | 2.559 |
| C3225     | 0.984 | 1.260 | 2.559 |





**Characteristics:**  
Strong hold collet chuck for cylindrical collets.  
PSC ISO 26623-1

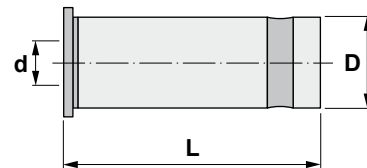


## 18.400

| Reference     | PSC | L     | d1    | D     |  lbs |
|---------------|-----|-------|-------|-------|-----------------------------------------------------------------------------------------|
| 18.400.063.20 | 63  | 3.661 | 0.787 | 2.126 | 3.725                                                                                   |
| 18.400.080.20 | 80  | 3.504 | 0.787 | 2.835 | 5.490                                                                                   |
| 18.400.080.32 | 80  | 3.976 | 1.260 | 2.835 | 6.925                                                                                   |
| 18.400.100.32 | 100 | 4.724 | 1.260 | 2.835 | 11.375                                                                                  |

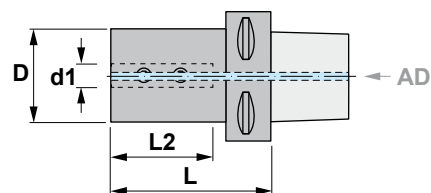
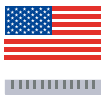
### Complements (Collets type C)

| Reference | d     | D     | L     |
|-----------|-------|-------|-------|
| C2006     | 0.236 | 0.787 | 2.165 |
| C2008     | 0.315 | 0.787 | 2.165 |
| C2010     | 0.394 | 0.787 | 2.165 |
| C2012     | 0.472 | 0.787 | 2.165 |
| C2016     | 0.630 | 0.787 | 2.165 |
| C3206     | 0.236 | 1.260 | 2.559 |
| C3208     | 0.315 | 1.260 | 2.559 |
| C3210     | 0.394 | 1.260 | 2.559 |
| C3212     | 0.472 | 1.260 | 2.559 |
| C3216     | 0.630 | 1.260 | 2.559 |
| C3220     | 0.787 | 1.260 | 2.559 |
| C3225     | 0.984 | 1.260 | 2.559 |





Characteristics:  
Boring bar holders.  
PSC ISO 26623-1

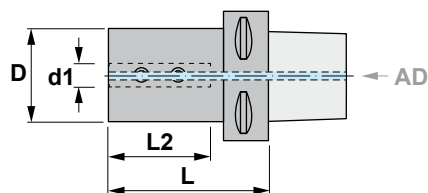


## 18.406

| Reference       | PSC | L     | L2    | d1    | D     |  |  |
|-----------------|-----|-------|-------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 18.406.040.0025 | 40  | 1.970 | 1.470 | 0.250 | 1.420 | 14302                                                                               | 1.150                                                                               |
| 18.406.040.0037 | 40  | 1.970 | 1.500 | 0.375 | 1.420 | 14303                                                                               | 1.280                                                                               |
| 18.406.040.0050 | 40  | 1.970 | 1.340 | 0.500 | 1.420 | 14303                                                                               | 1.310                                                                               |
| 18.406.040.0062 | 40  | 1.970 | 1.340 | 0.625 | 1.420 | 14306                                                                               | 1.380                                                                               |
| 18.406.040.0075 | 40  | 2.360 | 1.650 | 0.750 | 1.420 | 14306                                                                               | 1.600                                                                               |
| 18.406.040.0100 | 40  | 3.583 | 3.000 | 1.000 | 2.284 | 14316                                                                               | 1.810                                                                               |
| 18.406.050.0037 | 50  | 2.360 | 1.630 | 0.375 | 1.420 | 14303                                                                               | 1.720                                                                               |
| 18.406.050.0050 | 50  | 2.360 | 1.860 | 0.500 | 1.420 | 14303                                                                               | 1.740                                                                               |
| 18.406.050.0062 | 50  | 2.360 | 1.530 | 0.625 | 1.420 | 14306                                                                               | 1.780                                                                               |
| 18.406.050.0075 | 50  | 2.360 | 1.650 | 0.750 | 1.420 | 14306                                                                               | 1.810                                                                               |
| 18.406.050.0100 | 50  | 2.760 | 2.160 | 1.000 | 2.130 | 14316                                                                               | 2.205                                                                               |
| 18.406.050.0150 | 50  | 4.528 | 3.380 | 1.500 | 2.870 | 14316                                                                               | 3.130                                                                               |
| 18.406.063.0037 | 63  | 2.560 | 1.900 | 0.375 | 1.420 | 14303                                                                               | 2.515                                                                               |
| 18.406.063.0050 | 63  | 2.560 | 1.950 | 0.500 | 1.420 | 14303                                                                               | 2.600                                                                               |
| 18.406.063.0062 | 63  | 2.560 | 1.950 | 0.625 | 1.420 | 14306                                                                               | 2.625                                                                               |
| 18.406.063.0075 | 63  | 2.560 | 1.900 | 0.750 | 1.420 | 14306                                                                               | 2.875                                                                               |
| 18.406.063.0100 | 63  | 2.950 | 2.300 | 1.000 | 2.130 | 14316                                                                               | 3.130                                                                               |
| 18.406.063.0150 | 63  | 4.130 | 3.350 | 1.500 | 2.870 | 14316                                                                               | 7.090                                                                               |
| 18.406.080.0062 | 80  | 3.350 | 2.400 | 0.625 | 1.420 | 14306                                                                               | 5.030                                                                               |
| 18.406.080.0075 | 80  | 3.350 | 2.400 | 0.750 | 1.420 | 14306                                                                               | 5.315                                                                               |
| 18.406.080.0100 | 80  | 3.350 | 2.400 | 1.000 | 2.130 | 14306                                                                               | 5.490                                                                               |
| 18.406.080.0150 | 80  | 3.350 | 2.400 | 1.500 | 2.870 | 14316                                                                               | 9.800                                                                               |



Characteristics:  
Boring bar holders.  
PSC ISO 26623-1



## 18.406

| Reference     | PSC | L     | L2    | d1    | D     |  |  |
|---------------|-----|-------|-------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 18.406.040.08 | 40  | 1.969 | 1.102 | 0.315 | 1.732 | 14206                                                                               | 1.300                                                                               |
| 18.406.040.10 | 40  | 1.969 | 1.102 | 0.394 | 1.732 | 14208                                                                               | 1.280                                                                               |
| 18.406.040.12 | 40  | 1.969 | 1.338 | 0.472 | 1.732 | 14208                                                                               | 1.255                                                                               |
| 18.406.040.16 | 40  | 1.969 | 1.338 | 0.630 | 1.732 | 14210                                                                               | 1.215                                                                               |
| 18.406.040.20 | 40  | 1.969 | 1.653 | 0.787 | 1.732 | 14210                                                                               | 1.125                                                                               |
| 18.406.040.25 | 40  | 2.362 | 2.007 | 0.984 | 1.969 | 14210                                                                               | 1.455                                                                               |
| 18.406.050.08 | 50  | 2.047 | 1.377 | 0.315 | 1.732 | 14206                                                                               | 1.740                                                                               |
| 18.406.050.10 | 50  | 2.047 | 1.377 | 0.394 | 1.732 | 14208                                                                               | 1.720                                                                               |
| 18.406.050.12 | 50  | 2.047 | 1.417 | 0.472 | 1.732 | 14208                                                                               | 1.700                                                                               |
| 18.406.050.16 | 50  | 2.047 | 1.535 | 0.630 | 1.732 | 14210                                                                               | 1.610                                                                               |
| 18.406.050.20 | 50  | 2.047 | 1.653 | 0.787 | 1.969 | 14210                                                                               | 1.810                                                                               |
| 18.406.050.25 | 50  | 2.362 | 2.007 | 0.984 | 2.165 | 14210                                                                               | 2.205                                                                               |
| 18.406.063.08 | 63  | 2.362 | 1.692 | 0.315 | 1.732 | 14206                                                                               | 2.515                                                                               |
| 18.406.063.10 | 63  | 2.362 | 1.732 | 0.394 | 1.732 | 14208                                                                               | 2.495                                                                               |
| 18.406.063.12 | 63  | 2.362 | 1.732 | 0.472 | 1.732 | 14208                                                                               | 2.470                                                                               |
| 18.406.063.16 | 63  | 2.362 | 1.771 | 0.630 | 1.732 | 14210                                                                               | 2.405                                                                               |
| 18.406.063.20 | 63  | 2.362 | 2.007 | 0.787 | 1.969 | 14210                                                                               | 2.625                                                                               |
| 18.406.063.25 | 63  | 2.835 | 2.362 | 0.984 | 2.165 | 14210                                                                               | 3.130                                                                               |
| 18.406.063.32 | 63  | 2.953 | 2.401 | 1.260 | 2.165 | 14210                                                                               | 2.910                                                                               |
| 18.406.063.40 | 63  | 3.346 | 2.401 | 1.575 | 2.559 | 14210                                                                               | 7.190                                                                               |
| 18.406.080.16 | 80  | 3.346 | 2.401 | 0.630 | 1.732 | 14210                                                                               | 5.030                                                                               |
| 18.406.080.20 | 80  | 3.346 | 2.401 | 0.787 | 1.969 | 14210                                                                               | 5.315                                                                               |
| 18.406.080.25 | 80  | 3.346 | 2.401 | 0.984 | 2.165 | 14210                                                                               | 5.490                                                                               |
| 18.406.080.32 | 80  | 3.346 | 2.401 | 1.260 | 2.835 | 14310                                                                               | 6.790                                                                               |
| 18.406.080.40 | 80  | 3.346 | 2.598 | 1.575 | 2.559 | 14310                                                                               | 10.695                                                                              |
| 18.406.080.50 | 80  | 3.937 | 3.385 | 1.969 | 2.953 | 14310                                                                               | 10.320                                                                              |
| 18.406.100.16 | 100 | 3.937 | 2.401 | 0.630 | 1.732 | 14210                                                                               | 7.560                                                                               |
| 18.406.100.20 | 100 | 3.937 | 2.401 | 0.787 | 1.969 | 14210                                                                               | 8.050                                                                               |
| 18.406.100.25 | 100 | 3.937 | 2.401 | 0.984 | 2.165 | 14210                                                                               | 8.600                                                                               |
| 18.406.100.32 | 100 | 3.937 | 2.401 | 1.260 | 2.835 | 14310                                                                               | 10.140                                                                              |
| 18.406.100.40 | 100 | 4.331 | 2.598 | 1.575 | 2.559 | 14310                                                                               | 11.465                                                                              |
| 18.406.100.50 | 100 | 4.724 | 3.385 | 1.969 | 2.953 | 14310                                                                               | 12.300                                                                              |



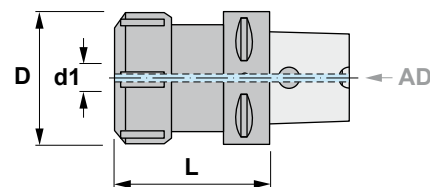


#### Characteristics:

Collet chucks for DIN 6499 (ER) collets.

PSC ISO 26623-1

For tools with cylindrical shank DIN 1835-B.



**\* SUPPLIED WITHOUT WRENCH**

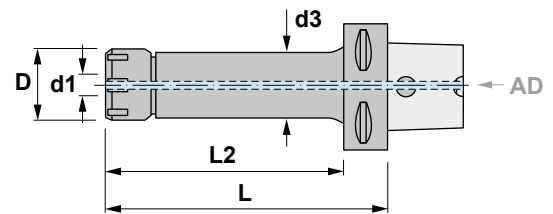
## 18.453

| Reference         | PSC |  | L     | d1          | D     |  |  |  |
|-------------------|-----|-----------------------------------------------------------------------------------|-------|-------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 18.453.040.16     | 40  | ER16                                                                              | 2.362 | 0.020-0.394 | 1.102 | 45316                                                                               | 50216                                                                               | 0.925                                                                               |
| 18.453.040.20     | 40  | ER20                                                                              | 2.362 | 0.039-0.512 | 1.339 | 45320                                                                               | 50220                                                                               | 1.080                                                                               |
| 18.453.040.25     | 40  | ER25                                                                              | 2.362 | 0.039-0.630 | 1.654 | 45325                                                                               | 50225                                                                               | 1.390                                                                               |
| 18.453.040.32     | 40  | ER32                                                                              | 2.362 | 0.079-0.787 | 1.969 | 45332                                                                               | 50232                                                                               | 1.875                                                                               |
| 18.453.050.16     | 50  | ER16                                                                              | 2.362 | 0.020-0.394 | 1.102 | 45316                                                                               | 50216                                                                               | 1.325                                                                               |
| 18.453.050.16/100 | 50  | ER16                                                                              | 3.937 | 0.020-0.394 | 1.102 | 45316                                                                               | 50216                                                                               | 1.740                                                                               |
| 18.453.050.20     | 50  | ER20                                                                              | 2.362 | 0.039-0.512 | 1.339 | 45320                                                                               | 50220                                                                               | 1.480                                                                               |
| 18.453.050.20/100 | 50  | ER20                                                                              | 3.937 | 0.039-0.512 | 1.339 | 45320                                                                               | 50220                                                                               | 1.985                                                                               |
| 18.453.050.25     | 50  | ER25                                                                              | 2.362 | 0.039-0.630 | 1.654 | 45325                                                                               | 50225                                                                               | 1.785                                                                               |
| 18.453.050.25/100 | 50  | ER25                                                                              | 3.937 | 0.039-0.630 | 1.654 | 45325                                                                               | 50225                                                                               | 2.535                                                                               |
| 18.453.050.32     | 50  | ER32                                                                              | 2.362 | 0.079-0.787 | 1.969 | 45332                                                                               | 50232                                                                               | 2.250                                                                               |
| 18.453.050.32/100 | 50  | ER32                                                                              | 3.937 | 0.079-0.787 | 1.969 | 45332                                                                               | 50232                                                                               | 3.350                                                                               |
| 18.453.050.40     | 50  | ER40                                                                              | 2.559 | 0.118-1.181 | 2.480 | 45340                                                                               | 50240                                                                               | 3.110                                                                               |
| 18.453.050.40/100 | 50  | ER40                                                                              | 3.937 | 0.118-1.181 | 2.480 | 45340                                                                               | 50240                                                                               | 4.300                                                                               |
| 18.453.063.16     | 63  | ER16                                                                              | 2.362 | 0.020-0.394 | 1.102 | 45316                                                                               | 50216                                                                               | 1.920                                                                               |
| 18.453.063.16/100 | 63  | ER16                                                                              | 3.937 | 0.020-0.394 | 1.102 | 45316                                                                               | 50216                                                                               | 2.340                                                                               |
| 18.453.063.20     | 63  | ER20                                                                              | 2.362 | 0.039-0.512 | 1.339 | 45320                                                                               | 50220                                                                               | 2.075                                                                               |
| 18.453.063.20/100 | 63  | ER20                                                                              | 3.937 | 0.039-0.512 | 1.339 | 45320                                                                               | 50220                                                                               | 2.580                                                                               |
| 18.453.063.25     | 63  | ER25                                                                              | 2.362 | 0.039-0.630 | 1.654 | 45325                                                                               | 50225                                                                               | 2.360                                                                               |
| 18.453.063.25/100 | 63  | ER25                                                                              | 3.937 | 0.039-0.630 | 1.654 | 45325                                                                               | 50225                                                                               | 3.110                                                                               |
| 18.453.063.32     | 63  | ER32                                                                              | 2.362 | 0.079-0.787 | 1.969 | 45332                                                                               | 50232                                                                               | 2.820                                                                               |
| 18.453.063.32/100 | 63  | ER32                                                                              | 3.937 | 0.079-0.787 | 1.969 | 45332                                                                               | 50232                                                                               | 3.990                                                                               |
| 18.453.063.40     | 63  | ER40                                                                              | 2.756 | 0.118-1.181 | 2.480 | 45340                                                                               | 50240                                                                               | 3.900                                                                               |
| 18.453.063.40/120 | 63  | ER40                                                                              | 4.724 | 0.118-1.181 | 2.480 | 45340                                                                               | 50240                                                                               | 6.040                                                                               |
| 18.453.080.32     | 80  | ER32                                                                              | 2.756 | 0.079-0.787 | 1.969 | 45332                                                                               | 50232                                                                               | 5.095                                                                               |
| 18.453.080.32/160 | 80  | ER32                                                                              | 6.299 | 0.079-0.787 | 1.969 | 45332                                                                               | 50232                                                                               | 7.540                                                                               |
| 18.453.080.40     | 80  | ER40                                                                              | 2.756 | 0.118-1.181 | 2.480 | 45340                                                                               | 50240                                                                               | 5.865                                                                               |
| 18.453.080.40/160 | 80  | ER40                                                                              | 6.299 | 0.118-1.181 | 2.480 | 45340                                                                               | 50240                                                                               | 9.590                                                                               |
| 18.453.100.32     | 100 | ER32                                                                              | 3.937 | 0.079-0.787 | 1.969 | 45332                                                                               | 50232                                                                               | 8.730                                                                               |
| 18.453.100.32/160 | 100 | ER32                                                                              | 6.299 | 0.079-0.787 | 1.969 | 45332                                                                               | 50232                                                                               | 10.540                                                                              |
| 18.453.100.40     | 100 | ER40                                                                              | 3.937 | 0.118-1.181 | 2.480 | 45340                                                                               | 50240                                                                               | 9.765                                                                               |
| 18.453.100.40/160 | 100 | ER40                                                                              | 6.299 | 0.118-1.181 | 2.480 | 45340                                                                               | 50240                                                                               | 12.545                                                                              |
| 18.453.100.50     | 100 | ER50                                                                              | 3.937 | 0.236-1.339 | 3.071 | 45350                                                                               | 50250                                                                               | 12.040                                                                              |
| 18.453.100.50/160 | 100 | ER50                                                                              | 6.299 | 0.236-1.339 | 3.071 | 45350                                                                               | 50250                                                                               | 15.850                                                                              |





Characteristics:  
Long collet chuck for  
DIN 6499 (ER) collets.  
PSC ISO 26623-1  
For tools with cylindrical shank.  
With "mini" collet nut.



**\* SUPPLIED WITHOUT WRENCH**

## 18.455

| Reference         | PSC |      | L     | d1          | D     | L2    | d3    |                   |       |
|-------------------|-----|------|-------|-------------|-------|-------|-------|-------------------|-------|
| 18.455.063.16     | 63  | ER16 | 2.362 | 0.020-0.394 | 0.866 | -     | -     | 45516 50916 19210 | 1.895 |
| 18.455.063.16/100 | 63  | ER16 | 3.937 | 0.020-0.394 | 0.866 | 3.071 | 0.866 | 45516 50916 19210 | 2.095 |
| 18.455.063.20     | 63  | ER20 | 2.362 | 0.039-0.512 | 1.102 | -     | -     | 45520 50920 19212 | 2.120 |
| 18.455.063.20/100 | 63  | ER20 | 3.937 | 0.039-0.512 | 1.102 | 3.071 | 1.181 | 45520 50920 19212 | 2.470 |

### ERXX

| Reference | Accessories                                     |
|-----------|-------------------------------------------------|
| ERXX      | Collets with double slot DIN 6499 - Form B (ER) |



### ERCXX

| Reference | Accessories                  |
|-----------|------------------------------|
| ERCXX     | Sealed collets DIN 6499 (ER) |



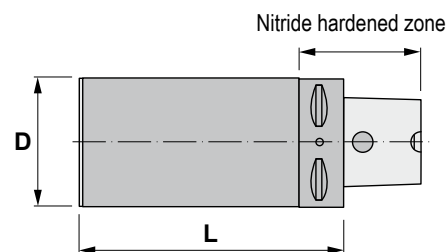
### ERTXX

| Reference | Accessories                        |
|-----------|------------------------------------|
| ERTXX     | Collets DIN 6499 - Form Mexin (ER) |





Characteristics:  
Blank adaptors.  
PSC ISO 26623-1



## 18.470

| Reference          | PSC | D     | L     |  |
|--------------------|-----|-------|-------|-------------------------------------------------------------------------------------|
| 18.470.032.032/090 | 32  | 1.260 | 3.543 | 1.300                                                                               |
| 18.470.032.040/110 | 32  | 1.575 | 4.331 | 2.315                                                                               |
| 18.470.032.050/125 | 32  | 1.969 | 4.921 | 3.990                                                                               |
| 18.470.032.060/090 | 32  | 2.362 | 3.543 | 3.925                                                                               |
| 18.470.032.070/060 | 32  | 2.756 | 2.362 | 3.240                                                                               |
| 18.470.032.090/070 | 32  | 3.543 | 2.756 | 6.305                                                                               |
| 18.470.040.040/095 | 40  | 1.575 | 3.740 | 2.185                                                                               |
| 18.470.040.040/120 | 40  | 1.575 | 4.724 | 2.735                                                                               |
| 18.470.040.060/165 | 40  | 2.362 | 6.496 | 7.630                                                                               |
| 18.470.040.080/075 | 40  | 3.150 | 2.953 | 5.335                                                                               |
| 18.470.040.080/120 | 40  | 3.150 | 4.724 | 9.240                                                                               |
| 18.470.040.100/085 | 40  | 3.937 | 3.346 | 9.390                                                                               |
| 18.470.050.050/125 | 50  | 1.969 | 4.921 | 4.520                                                                               |
| 18.470.050.050/150 | 50  | 1.969 | 5.906 | 5.360                                                                               |
| 18.470.050.063/180 | 50  | 2.480 | 7.087 | 9.570                                                                               |
| 18.470.050.075/175 | 50  | 2.953 | 6.890 | 12.790                                                                              |
| 18.470.050.090/080 | 50  | 3.543 | 3.150 | 7.540                                                                               |
| 18.470.050.095/150 | 50  | 3.740 | 5.906 | 16.890                                                                              |
| 18.470.050.110/090 | 50  | 4.331 | 3.543 | 12.460                                                                              |
| 18.470.063.063/180 | 63  | 2.480 | 7.087 | 10.210                                                                              |
| 18.470.063.075/195 | 63  | 2.953 | 7.677 | 14.795                                                                              |
| 18.470.063.110/085 | 63  | 4.331 | 3.346 | 11.930                                                                              |
| 18.470.063.110/120 | 63  | 4.331 | 4.724 | 17.680                                                                              |
| 18.470.063.120/180 | 63  | 4.724 | 7.087 | 32.475                                                                              |
| 18.470.063.130/095 | 63  | 5.118 | 3.740 | 32.500                                                                              |
| 18.470.080.080/200 | 80  | 3.150 | 7.874 | 18.585                                                                              |
| 18.470.080.100/200 | 80  | 3.937 | 7.874 | 26.900                                                                              |
| 18.470.080.120/160 | 80  | 4.724 | 6.299 | 29.235                                                                              |
| 18.470.080.130/090 | 80  | 5.118 | 3.543 | 17.570                                                                              |
| 18.470.080.150/200 | 80  | 5.906 | 7.874 | 55.780                                                                              |
| 18.470.080.160/120 | 80  | 6.299 | 4.724 | 35.120                                                                              |
| 18.470.100.100/100 | 100 | 3.937 | 3.937 | 16.050                                                                              |
| 18.470.100.100/200 | 100 | 3.937 | 7.874 | 29.650                                                                              |
| 18.470.100.150/100 | 100 | 5.906 | 3.937 | 27.600                                                                              |
| 18.470.100.150/200 | 100 | 5.906 | 7.874 | 58.180                                                                              |
| 18.470.100.160/150 | 100 | 6.299 | 5.906 | 47.865                                                                              |
| 18.470.100.200/100 | 100 | 7.874 | 3.937 | 43.760                                                                              |



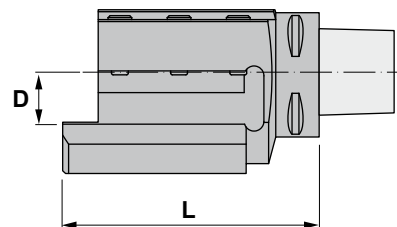
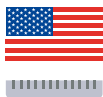


#### Characteristics:

Adaptor with axial mounting.

PSC ISO 26623-1

Adaptor for square turning toolholder  
left / right hand.



## 18.500

| Reference          | PSC | D     | L     |  lbs |
|--------------------|-----|-------|-------|-----------------------------------------------------------------------------------------|
| 18.500.050.0075R/L | 50  | 0.750 | 3.858 | 4.520                                                                                   |
| 18.500.063.0075R/L | 63  | 0.750 | 3.937 | 5.645                                                                                   |
| 18.500.063.0100R/L | 63  | 1.000 | 5.118 | 8.025                                                                                   |
| 18.500.080.0125R/L | 80  | 1.250 | 5.512 | 8.795                                                                                   |

| Reference          | 3x  |  |
|--------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.500.050.0075R/L | 17207                                                                                  | 29716                                                                                 |
| 18.500.063.0075R/L | 17207                                                                                  | 29716                                                                                 |
| 18.500.063.0100R/L | 17207                                                                                  | 29716                                                                                 |
| 18.500.080.0125R/L | 17207                                                                                  | 29716                                                                                 |

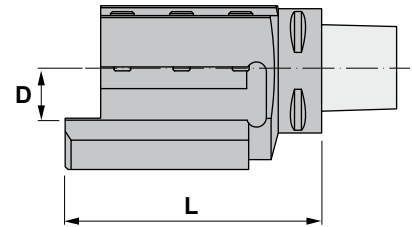


**Characteristics:**

Adaptor with axial mounting.

PSC ISO 26623-1

Adaptor for square turning toolholder  
left / right hand.



## 18.500

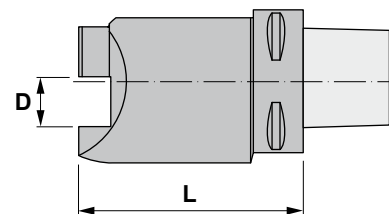
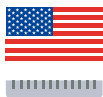
| Reference        | PSC | D     | L     |  lbs |
|------------------|-----|-------|-------|-----------------------------------------------------------------------------------------|
| 18.500.050.20R/L | 50  | 0.787 | 3.858 | 4.520                                                                                   |
| 18.500.063.20R/L | 63  | 0.787 | 3.937 | 5.645                                                                                   |
| 18.500.063.25R/L | 63  | 0.984 | 5.118 | 8.025                                                                                   |
| 18.500.063.32R/L | 63  | 1.260 | 5.275 | 8.795                                                                                   |
| 18.500.080.32R/L | 80  | 1.260 | 5.512 | 11.885                                                                                  |
| 18.500.100.32R/L | 100 | 1.260 | 5.906 | 22.265                                                                                  |

| Reference        | 3x  |  |
|------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.500.050.20R/L | 17010                                                                                  | 29708                                                                                 |
| 18.500.063.20R/L | 17110                                                                                  | 29708                                                                                 |
| 18.500.063.25R/L | 17112                                                                                  | 29708                                                                                 |
| 18.500.063.32R/L | 17012                                                                                  | 29708                                                                                 |
| 18.500.080.32R/L | 17012                                                                                  | 29710                                                                                 |
| 18.500.100.32R/L | 17012                                                                                  | 29710                                                                                 |

**Characteristics:**

Adaptor with angular mounting.

PSC ISO 26623-1

Adaptor for square turning toolholder  
left / right hand.

## 18.510

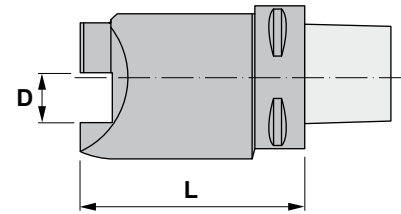
| Reference          | PSC | D     | L     |  lbs |
|--------------------|-----|-------|-------|-----------------------------------------------------------------------------------------|
| 18.510.050.0075R/L | 50  | 0.750 | 3.819 | 3.900                                                                                   |
| 18.510.063.0075R/L | 63  | 0.750 | 3.898 | 4.810                                                                                   |
| 18.510.080.0125R/L | 80  | 1.250 | 5.315 | 14.725                                                                                  |

| Reference          |  |  |
|--------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.510.050.0075R/L | 17207                                                                               | 29708                                                                                 |
| 18.510.063.0075R/L | 17207                                                                               | 29708                                                                                 |
| 18.510.080.0125R/L | 17212                                                                               | 29710                                                                                 |

**Characteristics:**

Adaptor with angular mounting.

PSC ISO 26623-1

Adaptor for square turning toolholder  
left / right hand.

## 18.510

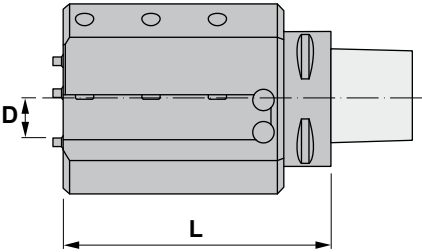
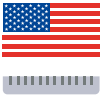
| Reference        | PSC | D     | L     |  lbs |
|------------------|-----|-------|-------|-----------------------------------------------------------------------------------------|
| 18.510.050.20R/L | 50  | 0.787 | 3.819 | 3.900                                                                                   |
| 18.510.063.20R/L | 63  | 0.787 | 3.898 | 4.810                                                                                   |
| 18.510.063.25R/L | 63  | 0.984 | 5.118 | 9.765                                                                                   |
| 18.510.080.32R/L | 80  | 1.260 | 5.315 | 14.725                                                                                  |
| 18.510.100.32R/L | 100 | 1.260 | 5.709 | 22.115                                                                                  |

| Reference        |  |  |
|------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.510.050.20R/L | 17110                                                                               | 29708                                                                                 |
| 18.510.063.20R/L | 17110                                                                               | 29708                                                                                 |
| 18.510.063.25R/L | 17012                                                                               | 29708                                                                                 |
| 18.510.080.32R/L | 17012                                                                               | 29710                                                                                 |
| 18.510.100.32R/L | 17012                                                                               | 29710                                                                                 |





Characteristics:  
Mini-turret with axial mounting.  
PSC ISO 26623-1  
Multipurpose mini-turret for square  
toolholders.



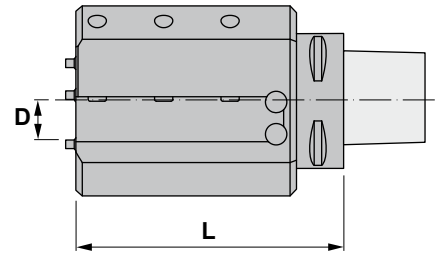
18.520

| Reference          | PSC | D     | L     |  |
|--------------------|-----|-------|-------|-------------------------------------------------------------------------------------|
| 18.520.050.0075R/L | 50  | 0.750 | 4.842 | 8.315                                                                               |
| 18.520.063.0075R/L | 63  | 0.750 | 4.921 | 9.370                                                                               |
| 18.520.080.0125R/L | 80  | 1.250 | 5.906 | 17.150                                                                              |

| Reference          |  |  |
|--------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.520.050.0075R/L | 17207                                                                               | 29708                                                                                 |
| 18.520.063.0075R/L | 17207                                                                               | 29708                                                                                 |
| 18.520.080.0125R/L | 17212                                                                               | 29710                                                                                 |



Characteristics:  
Mini-turret with axial mounting.  
PSC ISO 26623-1  
Multipurpose mini-turret for square  
toolholders.



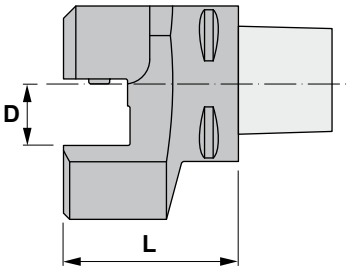
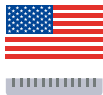
## 18.520

| Reference        | PSC | D     | L     |  lbs |
|------------------|-----|-------|-------|-----------------------------------------------------------------------------------------|
| 18.520.050.20R/L | 50  | 0.787 | 4.842 | 8.315                                                                                   |
| 18.520.063.20R/L | 63  | 0.787 | 4.921 | 9.370                                                                                   |
| 18.520.063.25R/L | 63  | 0.984 | 5.118 | 11.330                                                                                  |
| 18.520.080.32R/L | 80  | 1.260 | 5.906 | 17.150                                                                                  |
| 18.520.100.32R/L | 100 | 1.260 | 6.299 | 25.130                                                                                  |

| Reference        |  |  |
|------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.520.050.20R/L | 17012                                                                               | 29708                                                                                 |
| 18.520.063.20R/L | 17012                                                                               | 29708                                                                                 |
| 18.520.063.25R/L | 17012                                                                               | 29708                                                                                 |
| 18.520.080.32R/L | 17012                                                                               | 29710                                                                                 |
| 18.520.100.32R/L | 17012                                                                               | 29710                                                                                 |



Characteristics:  
Adaptor with radial mounting.  
PSC ISO 26623-1  
Multipurpose adaptor for square  
toolholders.



18.530

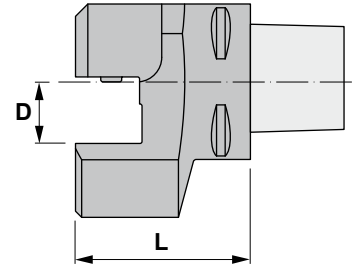
| Reference       | PSC | D     | L     |  lbs |
|-----------------|-----|-------|-------|-----------------------------------------------------------------------------------------|
| 18.530.050.0075 | 50  | 0.750 | 2.244 | 3.220                                                                                   |
| 18.530.063.0075 | 63  | 0.750 | 2.323 | 3.950                                                                                   |
| 18.530.063.0100 | 63  | 1.000 | 2.795 | 6.305                                                                                   |
| 18.530.080.0125 | 80  | 1.250 | 3.337 | 10.470                                                                                  |



| Reference       |  |  |
|-----------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.530.050.0075 | 17307                                                                               | 29708                                                                                 |
| 18.530.063.0075 | 17307                                                                               | 29708                                                                                 |
| 18.530.063.0100 | 17207                                                                               | 29708                                                                                 |
| 18.530.080.0125 | 17207                                                                               | 29710                                                                                 |



Characteristics:  
Adaptor with radial mounting.  
PSC ISO 26623-1  
Multipurpose adaptor for square  
toolholders.



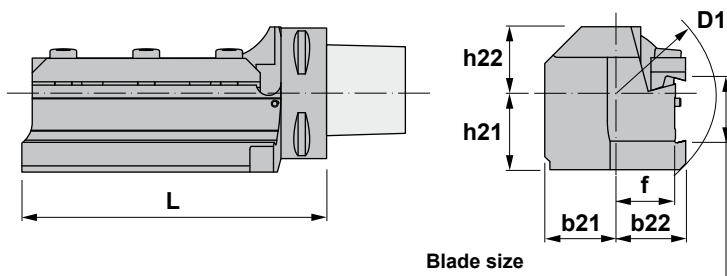
## 18.530

| Reference     | PSC | D     | L     |  lbs |
|---------------|-----|-------|-------|-----------------------------------------------------------------------------------------|
| 18.530.050.20 | 50  | 0.787 | 2.283 | 3.220                                                                                   |
| 18.530.063.20 | 63  | 0.787 | 2.362 | 3.950                                                                                   |
| 18.530.063.25 | 63  | 0.984 | 2.795 | 6.305                                                                                   |
| 18.530.063.32 | 63  | 1.260 | 2.795 | 7.275                                                                                   |
| 18.530.080.32 | 80  | 1.260 | 3.346 | 10.470                                                                                  |
| 18.530.100.32 | 100 | 1.260 | 3.543 | 14.265                                                                                  |

| Reference     |  |  |
|---------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.530.050.20 | 17112                                                                               | 29708                                                                                 |
| 18.530.063.20 | 17112                                                                               | 29708                                                                                 |
| 18.530.063.25 | 17012                                                                               | 29708                                                                                 |
| 18.530.063.32 | 17012                                                                               | 29708                                                                                 |
| 18.530.080.32 | 17012                                                                               | 29710                                                                                 |
| 18.530.100.32 | 17012                                                                               | 29710                                                                                 |



Characteristics:  
Adaptor with axial mounting for blades.  
PSC ISO 26623-1



## 18.540

| Reference        | PSC | Blade size | D1    | b21   | b22   | f     | h21   | h22   | L     |  |
|------------------|-----|------------|-------|-------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|
| 18.540.050.26R/L | 50  | 26         | 3.465 | 0.984 | 1.260 | 1.063 | 1.181 | 1.024 | 3.740 | 3.310                                                                               |
| 18.540.063.32R/L | 63  | 32         | 4.173 | 1.260 | 1.555 | 1.260 | 1.496 | 1.260 | 5.787 | 7.275                                                                               |
| 18.540.080.32R/L | 80  | 32         | 4.961 | 1.594 | 1.890 | 1.594 | 1.594 | 1.594 | 6.102 | 11.465                                                                              |
| 18.540.100.32R/L | 100 | 32         | 5.709 | 1.969 | 2.283 | 1.988 | 1.988 | 1.969 | 6.299 | 20.370                                                                              |
| 18.540.100.52R/L | 100 | 52/53      | 6.890 | 1.969 | 2.283 | 1.988 | 2.559 | 1.969 | 7.874 | 27.360                                                                              |

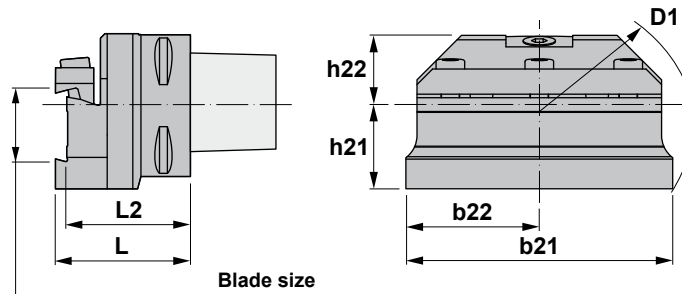
| Reference        |  |  |
|------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.540.050.26R/L | 80526                                                                               | 11008                                                                                 |
| 18.540.063.32R/L | 80632                                                                               | 11108                                                                                 |
| 18.540.080.32R/L | 80632                                                                               | 11108                                                                                 |
| 18.540.100.32R/L | 80632                                                                               | 11108                                                                                 |
| 18.540.100.52R/L | 81052                                                                               | 11108                                                                                 |



#### Characteristics:

Adaptor with radial mounting for blades.

PSC ISO 26623-1



## 18.550

| Reference     | PSC | Blade size | D1    | b21   | b22   | h21   | h22   | L     | L2    |  |
|---------------|-----|------------|-------|-------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|
| 18.550.050.26 | 50  | 26         | 3.937 | 3.150 | 1.575 | 1.181 | 0.992 | 2.283 | 2.087 | 2.865                                                                               |
| 18.550.063.32 | 63  | 32         | 5.551 | 4.724 | 2.362 | 1.457 | 1.260 | 2.480 | 2.186 | 5.070                                                                               |
| 18.550.080.32 | 80  | 32         | 5.709 | 4.724 | 2.362 | 1.594 | 1.575 | 2.795 | 2.500 | 7.720                                                                               |
| 18.550.100.32 | 100 | 32         | 5.709 | 4.724 | 2.362 | 1.988 | 1.969 | 2.953 | 2.657 | 12.280                                                                              |
| 18.550.100.52 | 100 | 52/53      | 7.677 | 6.299 | 3.150 | 2.559 | 1.969 | 2.953 | 2.657 | 14.200                                                                              |

| Reference     |  |  |
|---------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 18.550.050.26 | 80526                                                                               | 11008                                                                                 |
| 18.550.063.32 | 81632                                                                               | 11108                                                                                 |
| 18.550.080.32 | 81632                                                                               | 11108                                                                                 |
| 18.550.100.32 | 81632                                                                               | 11108                                                                                 |
| 18.550.100.52 | 81052                                                                               | 11108                                                                                 |

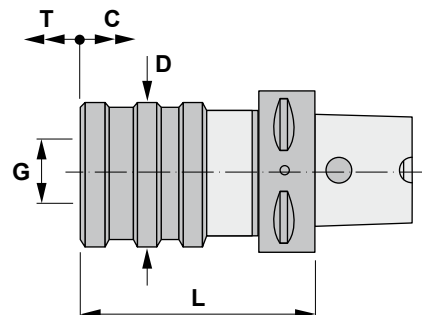


#### Characteristics:

Quick change tapping head with axial compensation.

PSC ISO 26623-1

With Bilz system tap chucks bushings. Compensation in compression (C) and tension (T).



## 18.620

| Reference     | PSC | N <sup>o</sup> . | G  | Ø       | d1    | L     | D     | C     | T |  |  |  |
|---------------|-----|------------------|----|---------|-------|-------|-------|-------|---|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 18.620.040.12 | 40  | 1                | 19 | M3-M12  | 2.559 | 1.496 | 0.354 | 0.354 |   | 710XX                                                                               | 750XX                                                                               | 1.125                                                                               |
| 18.620.050.12 | 50  | 1                | 19 | M3-M12  | 2.559 | 1.496 | 0.354 | 0.354 |   | 710XX                                                                               | 750XX                                                                               | 1.520                                                                               |
| 18.620.063.12 | 63  | 1                | 19 | M3-M12  | 2.756 | 1.496 | 0.354 | 0.354 |   | 710XX                                                                               | 750XX                                                                               | 2.140                                                                               |
| 18.620.063.20 | 63  | 2                | 31 | M8-M20  | 3.740 | 2.165 | 0.591 | 0.591 |   | 720XX                                                                               | 760XX                                                                               | 3.770                                                                               |
| 18.620.063.33 | 63  | 3                | 48 | M14-M33 | 5.512 | 3.110 | 0.945 | 0.945 |   | 730XX                                                                               | 770XX                                                                               | 7.830                                                                               |
| 18.620.080.12 | 80  | 1                | 19 | M3-M12  | 3.150 | 1.496 | 0.354 | 0.354 |   | 710XX                                                                               | 750XX                                                                               | 4.520                                                                               |
| 18.620.080.20 | 80  | 2                | 31 | M8-M20  | 3.937 | 2.165 | 0.591 | 0.591 |   | 720XX                                                                               | 760XX                                                                               | 6.000                                                                               |
| 18.620.080.33 | 80  | 3                | 48 | M14-M33 | 5.906 | 3.110 | 0.945 | 0.945 |   | 730XX                                                                               | 770XX                                                                               | 11.110                                                                              |
| 18.620.100.12 | 100 | 1                | 19 | M3-M12  | 3.543 | 1.496 | 0.354 | 0.354 |   | 710XX                                                                               | 750XX                                                                               | 7.650                                                                               |
| 18.620.100.20 | 100 | 2                | 31 | M8-M20  | 4.331 | 2.165 | 0.591 | 0.591 |   | 720XX                                                                               | 760XX                                                                               | 9.215                                                                               |
| 18.620.100.33 | 100 | 3                | 48 | M14-M33 | 6.299 | 3.110 | 0.945 | 0.945 |   | 730XX                                                                               | 770XX                                                                               | 14.595                                                                              |

### 710XX..730XX

Reference

Accessories

710XX..730XX

Quick change adapters without overload clutch



### 750XX..770XX

Reference

Accessories

750XX..770XX

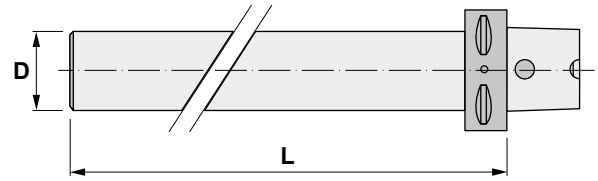
Quick change adapters with overload clutch







Characteristics:  
Test arbors.  
PSC ISO 26623-1



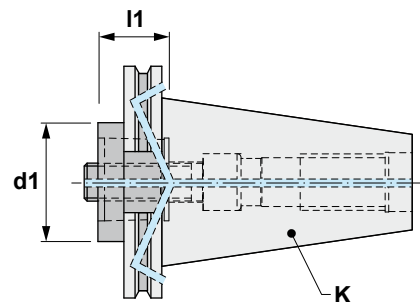
## 18.999

| Reference  | PSC | L      | D     |  |
|------------|-----|--------|-------|-------------------------------------------------------------------------------------|
| 18.999.050 | 50  | 10.039 | 1.260 | 4.210                                                                               |
| 18.999.063 | 63  | 12.677 | 1.575 | 7.190                                                                               |
| 18.999.080 | 80  | 13.028 | 1.575 | 10.320                                                                              |





Characteristics:  
Adaptor DIN 69871-A  
to PSC ISO 26623-1.

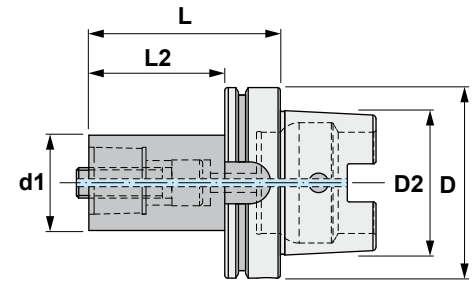


## 13.218

| Reference        | K ISO | PSC | d1    | l1    |  |
|------------------|-------|-----|-------|-------|-------------------------------------------------------------------------------------|
| 13.218.30.32/030 | 30    | 32  | 1.260 | 1.181 | 0.880                                                                               |
| 13.218.30.32/060 | 30    | 32  | 1.260 | 2.362 | 1.210                                                                               |
| 13.218.40.32/030 | 40    | 32  | 1.260 | 1.181 | 1.875                                                                               |
| 13.218.40.32/060 | 40    | 32  | 1.260 | 2.362 | 2.205                                                                               |
| 13.218.40.40/030 | 40    | 40  | 1.575 | 1.181 | 1.875                                                                               |
| 13.218.40.40/060 | 40    | 40  | 1.575 | 2.362 | 2.425                                                                               |
| 13.218.40.50/030 | 40    | 50  | 1.969 | 1.181 | 1.875                                                                               |
| 13.218.40.50/070 | 40    | 50  | 1.969 | 2.756 | 3.090                                                                               |
| 13.218.40.63/085 | 40    | 63  | 2.480 | 3.346 | 4.190                                                                               |
| 13.218.50.32/030 | 50    | 32  | 1.260 | 1.181 | 5.950                                                                               |
| 13.218.50.32/060 | 50    | 32  | 1.260 | 2.362 | 6.615                                                                               |
| 13.218.50.40/030 | 50    | 40  | 1.575 | 1.181 | 1.875                                                                               |
| 13.218.50.40/060 | 50    | 40  | 1.575 | 2.362 | 6.615                                                                               |
| 13.218.50.50/030 | 50    | 50  | 1.969 | 1.181 | 5.840                                                                               |
| 13.218.50.50/070 | 50    | 50  | 1.969 | 2.756 | 7.075                                                                               |
| 13.218.50.63/030 | 50    | 63  | 2.480 | 1.181 | 5.755                                                                               |
| 13.218.50.63/080 | 50    | 63  | 2.480 | 3.150 | 8.270                                                                               |
| 13.218.50.80/070 | 50    | 80  | 3.150 | 2.756 | 8.600                                                                               |
| 13.218.50.80/120 | 50    | 80  | 3.150 | 4.724 | 12.235                                                                              |



Characteristics:  
 Adaptor HSK DIN 69893-1  
 to PSC ISO 26623-1.



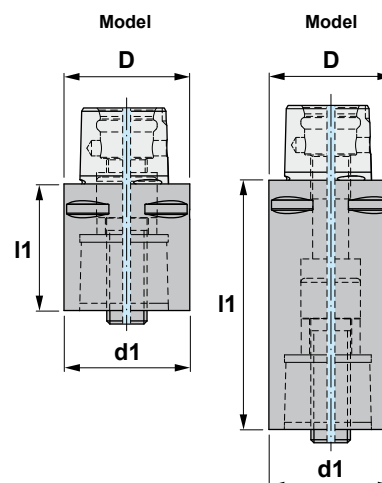
## 16.218

| Reference         | HSK | PSC | d1    | D     | D2    | L     | L2    |  |
|-------------------|-----|-----|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|
| 16.218.063.32/075 | 63  | 32  | 1.260 | 2.480 | 1.890 | 2.953 | 1.929 | 1.985                                                                               |
| 16.218.063.40/080 | 63  | 40  | 1.575 | 2.480 | 1.890 | 3.150 | 2.126 | 2.425                                                                               |
| 16.218.063.50/090 | 63  | 50  | 1.969 | 2.480 | 1.890 | 3.543 | 2.520 | 3.200                                                                               |
| 16.218.100.32/080 | 100 | 32  | 1.260 | 3.937 | 2.953 | 3.150 | 2.008 | 5.095                                                                               |
| 16.218.100.40/090 | 100 | 40  | 1.575 | 3.937 | 2.953 | 3.543 | 2.402 | 5.620                                                                               |
| 16.218.100.50/100 | 100 | 50  | 1.969 | 3.937 | 2.953 | 3.937 | 2.795 | 6.505                                                                               |
| 16.218.100.63/110 | 100 | 63  | 2.480 | 3.937 | 2.953 | 4.331 | 3.189 | 8.160                                                                               |
| 16.218.100.80/120 | 100 | 80  | 3.150 | 3.937 | 2.953 | 4.724 | 3.583 | 10.800                                                                              |





Characteristics:  
Extension  
PSC ISO 26623-1.

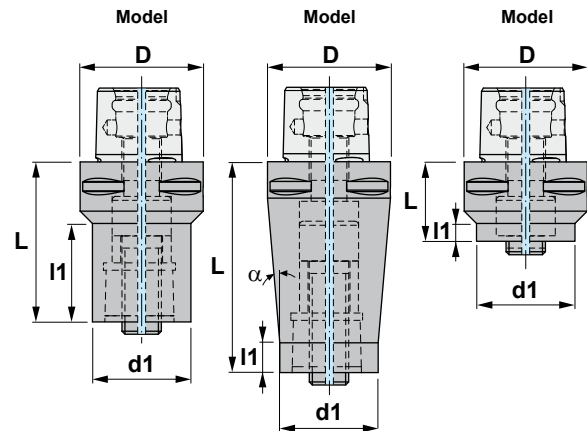


## 18.218

| Reference        | Model | Side PSC / Machine | d1    | D     | l1    |  |
|------------------|-------|--------------------|-------|-------|-------|-------------------------------------------------------------------------------------|
| 18.218.32.32/035 | 1     | 32                 | 1.260 | 1.260 | 1.378 | 0.440                                                                               |
| 18.218.32.32/060 | 2     | 32                 | 1.260 | 1.260 | 2.362 | 0.795                                                                               |
| 18.218.32.32/080 | 2     | 32                 | 1.260 | 1.260 | 3.150 | 1.080                                                                               |
| 18.218.40.40/040 | 1     | 40                 | 1.575 | 1.575 | 1.575 | 0.815                                                                               |
| 18.218.40.40/060 | 2     | 40                 | 1.575 | 1.575 | 2.362 | 1.320                                                                               |
| 18.218.40.40/080 | 2     | 40                 | 1.575 | 1.575 | 3.150 | 1.765                                                                               |
| 18.218.50.50/050 | 1     | 50                 | 1.969 | 1.969 | 1.969 | 1.610                                                                               |
| 18.218.50.50/080 | 2     | 50                 | 1.969 | 1.969 | 3.150 | 2.735                                                                               |
| 18.218.50.50/100 | 2     | 50                 | 1.969 | 1.969 | 3.937 | 3.305                                                                               |
| 18.218.63.63/060 | 1     | 63                 | 2.480 | 2.480 | 2.362 | 2.980                                                                               |
| 18.218.63.63/100 | 2     | 63                 | 2.480 | 2.480 | 3.937 | 5.180                                                                               |
| 18.218.63.63/140 | 2     | 63                 | 2.480 | 2.480 | 5.512 | 7.275                                                                               |
| 18.218.80.80/065 | 1     | 80                 | 3.150 | 3.150 | 2.559 | 5.180                                                                               |
| 18.218.80.80/100 | 2     | 80                 | 3.150 | 3.150 | 3.937 | 8.270                                                                               |
| 18.218.80.80/125 | 2     | 80                 | 3.150 | 3.150 | 4.921 | 10.470                                                                              |



Characteristics:  
Reducer  
PSC ISO 26623-1.

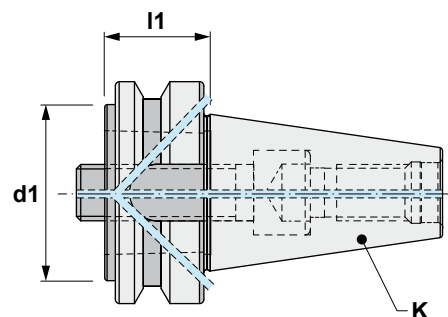


## 18.218

| Reference        | Model | Side Machine | Side PSC | D     | d1    | L     | l1    | α    |  |
|------------------|-------|--------------|----------|-------|-------|-------|-------|------|-------------------------------------------------------------------------------------|
| 18.218.40.32/055 | 1     | 40           | 32       | 1.575 | 1.260 | 2.165 | 1.220 | -    | 0.950                                                                               |
| 18.218.40.32/070 | 2     | 40           | 32       | 1.575 | 1.260 | 2.756 | 0.472 | 6.0° | 1.235                                                                               |
| 18.218.50.32/060 | 1     | 50           | 32       | 1.969 | 1.260 | 2.362 | 1.370 | -    | 1.410                                                                               |
| 18.218.50.40/065 | 1     | 50           | 40       | 1.969 | 1.575 | 2.559 | 1.575 | -    | 1.765                                                                               |
| 18.218.50.40/085 | 2     | 50           | 40       | 1.969 | 1.575 | 3.346 | 0.472 | 5.4° | 2.490                                                                               |
| 18.218.50.32/033 | 3     | 50           | 32       | 1.969 | 1.260 | 1.299 | 0.394 | -    | 1.035                                                                               |
| 18.218.50.40/040 | 3     | 50           | 40       | 1.969 | 1.575 | 1.575 | 0.709 | -    | 1.210                                                                               |
| 18.218.63.32/070 | 1     | 63           | 32       | 2.480 | 1.260 | 2.756 | 1.535 | -    | 2.140                                                                               |
| 18.218.63.40/080 | 1     | 63           | 40       | 2.480 | 1.575 | 3.150 | 2.024 | -    | 2.645                                                                               |
| 18.218.63.50/080 | 1     | 63           | 50       | 2.480 | 1.969 | 3.150 | 2.028 | -    | 3.305                                                                               |
| 18.218.63.50/110 | 2     | 63           | 50       | 2.480 | 1.969 | 4.331 | 0.472 | 4.9° | 4.960                                                                               |
| 18.218.63.32/032 | 3     | 63           | 32       | 2.480 | 1.260 | 1.260 | 0.236 | -    | 1.675                                                                               |
| 18.218.63.40/040 | 3     | 63           | 40       | 2.480 | 1.575 | 1.575 | 0.433 | -    | 1.765                                                                               |
| 18.218.63.50/050 | 3     | 63           | 50       | 2.480 | 1.969 | 1.969 | 1.043 | -    | 2.205                                                                               |
| 18.218.80.32/060 | 1     | 80           | 32       | 3.150 | 1.260 | 2.362 | 1.153 | -    | 4.190                                                                               |
| 18.218.80.40/070 | 1     | 80           | 40       | 3.150 | 1.575 | 2.756 | 1.437 | -    | 4.410                                                                               |
| 18.218.80.50/080 | 1     | 80           | 50       | 3.150 | 1.969 | 3.150 | 1.941 | -    | 5.070                                                                               |
| 18.218.80.63/080 | 1     | 80           | 63       | 3.150 | 2.480 | 3.150 | 2.090 | -    | 5.840                                                                               |
| 18.218.80.63/120 | 2     | 80           | 63       | 3.150 | 2.480 | 4.724 | 0.472 | 6.2° | 9.480                                                                               |
| 18.218.80.50/045 | 3     | 80           | 50       | 3.150 | 1.969 | 1.772 | 0.394 | -    | 3.970                                                                               |
| 18.218.80.63/055 | 3     | 80           | 63       | 3.150 | 2.480 | 2.165 | 0.787 | -    | 4.410                                                                               |



Characteristics:  
Adaptor JIS B 6339-BT  
to PSC ISO 26623-1.

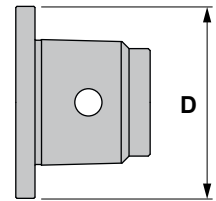


## 23.218

| Reference        | K ISO | PSC | d1    | l1    |  |
|------------------|-------|-----|-------|-------|-------------------------------------------------------------------------------------|
| 23.218.30.32/030 | 30    | 32  | 1.260 | 1.181 | 0.880                                                                               |
| 23.218.30.32/060 | 30    | 32  | 1.260 | 2.362 | 1.320                                                                               |
| 23.218.40.32/030 | 40    | 32  | 1.260 | 1.181 | 2.205                                                                               |
| 23.218.40.32/060 | 40    | 32  | 1.260 | 2.362 | 2.645                                                                               |
| 23.218.40.40/030 | 40    | 40  | 1.575 | 1.181 | 2.095                                                                               |
| 23.218.40.40/060 | 40    | 40  | 1.575 | 2.362 | 2.755                                                                               |
| 23.218.40.50/030 | 40    | 50  | 1.969 | 1.181 | 1.985                                                                               |
| 23.218.40.50/070 | 40    | 50  | 1.969 | 2.756 | 3.305                                                                               |
| 23.218.40.63/075 | 40    | 63  | 2.480 | 2.953 | 4.190                                                                               |
| 23.218.50.32/040 | 50    | 32  | 1.260 | 1.575 | 8.050                                                                               |
| 23.218.50.32/070 | 50    | 32  | 1.260 | 2.756 | 8.490                                                                               |
| 23.218.50.40/040 | 50    | 40  | 1.575 | 1.575 | 8.050                                                                               |
| 23.218.50.40/070 | 50    | 40  | 1.575 | 2.756 | 8.600                                                                               |
| 23.218.50.50/040 | 50    | 50  | 1.969 | 1.575 | 7.830                                                                               |
| 23.218.50.50/080 | 50    | 50  | 1.969 | 3.150 | 9.150                                                                               |
| 23.218.50.63/040 | 50    | 63  | 2.480 | 1.575 | 7.605                                                                               |
| 23.218.50.63/090 | 50    | 63  | 2.480 | 3.543 | 10.250                                                                              |
| 23.218.50.80/070 | 50    | 80  | 3.150 | 2.756 | 9.260                                                                               |
| 23.218.50.80/120 | 50    | 80  | 3.150 | 4.724 | 13.560                                                                              |



Characteristics:  
Manual caps.

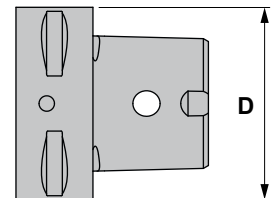


## MC

| Reference | Manual Cap |  |
|-----------|------------|-------------------------------------------------------------------------------------|
| PSC32-MC  | 1.260      | 0.175                                                                               |
| PSC40-MC  | 1.575      | 0.330                                                                               |
| PSC50-MC  | 1.969      | 0.400                                                                               |
| PSC63-MC  | 2.480      | 0.925                                                                               |
| PSC80-MC  | 3.150      | 2.205                                                                               |



Characteristics:  
Automatic caps.



## AC

| Reference | Automatic Cap |  |
|-----------|---------------|---------------------------------------------------------------------------------------|
| PSC40-AC  | 1.575         | 0.550                                                                                 |
| PSC50-AC  | 1.969         | 0.980                                                                                 |
| PSC63-AC  | 2.480         | 1.545                                                                                 |
| PSC80-AC  | 3.150         | 3.750                                                                                 |



