

# Galtona<sup>®</sup>



## TURNING TOOLHOLDER *Catalogue*



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### The Origin of Galtona O.K.

We are proud to present Galtona UK as one of the pioneers in Metalworking Excellence.

Explore the realm of exceptional metalworking prowess with Galtona UK, which has been a trailblazer in the industry for decades.

As an esteemed manufacturer, specializing in precision machining solutions, Galtona UK presents an extreme array of cutting-edge tools especially designed and built to suit diverse turning, milling, threading, and drilling needs.

Our collaborative approach is unique. We closely work with our clients to embark on a journey of 'co-creation' by fashioning bespoke solutions for addressing the intricate demands of aviation, aerospace, automotive, energy, and general engineering sectors.

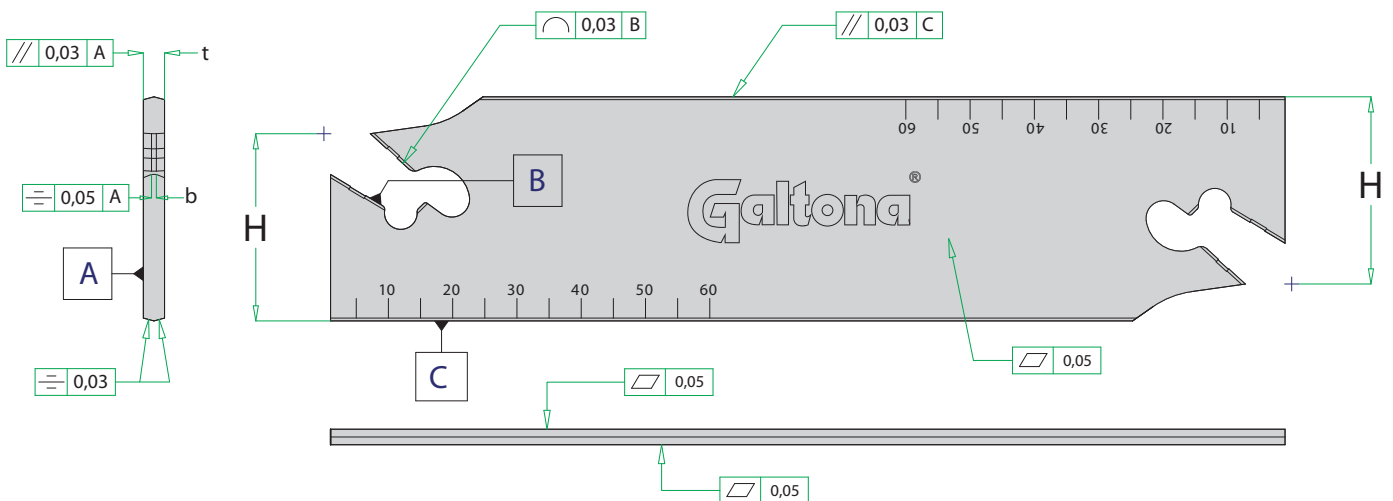
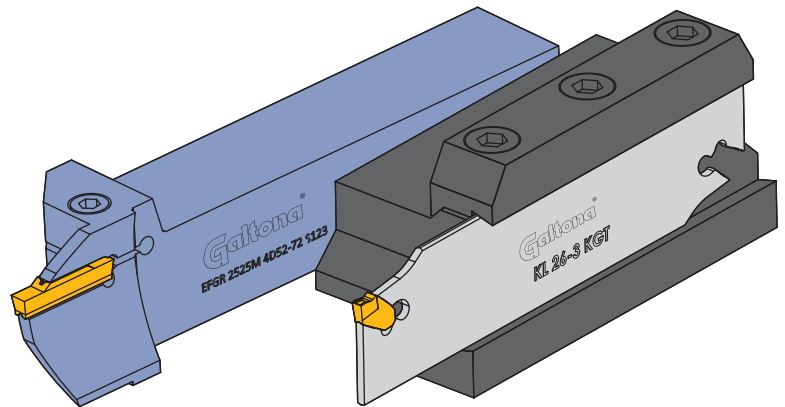
In the vanguard of innovation, we're not just engineers; we're digital architects. Our expertise extends to sculpting digital process solutions that redefine efficiency standards.

Embodying a profound commitment, Galtona UK promotes a sustainable and visionary energy landscape. Join us in our mission to illuminate the path towards tomorrow.

## The qualifications of Galtona® Grooving and Parting toolholders

### Grooving toolholder

1. 44 HRc hardened Tool Holders
2. Smooth surfaces manufactured after heat treatment
3. Precise and accurate dimensions on the insert pocket that manufactured after heat treatment
4. In accordance with your insert , increased and improved contact points on the insert pocket
5. High valued material tensile strength

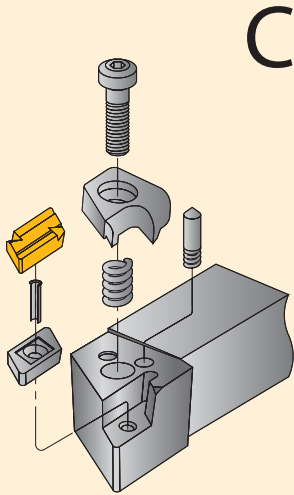


### Parting blades

1. 55 HRc Hardened parting blades
2. Smooth surfaces manufactured after heat treatment
3. Precise and accurate dimensions on the insert pocket that manufactured after heat treatment
4. In accordance with your insert , increased and improved contact points on the insert pocket
5. The parallelism value on length 150 mm is between  $\pm 0,03$  mm
6. The flatness value on 150 mm is max. 0,05 mm
7. The narrow tolerance measurement values of insert center height are  $\pm 0.05$  mm
8. The remaining symmetry on the surface of the angle-edged parting blades are 0.03 mm
9. High valued material tensile strength

## Selecting the clamping system

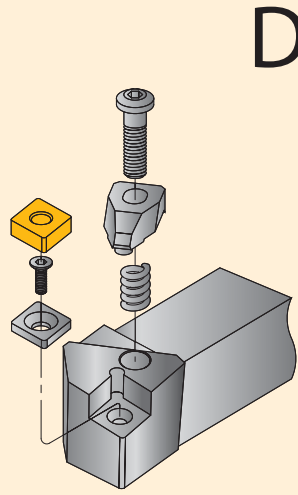
### 1 Top clamping



|                   |   |
|-------------------|---|
| Repeatability     | 5 |
| Reliable clamp    | 5 |
| Internal roughing | 4 |
| External roughing | 4 |
| Interrupted cut   | 5 |

5 = Best choice

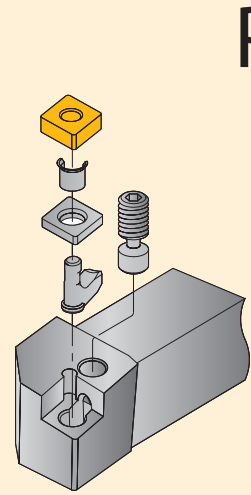
### 2 Top and hole clamping



|                   |   |
|-------------------|---|
| Repeatability     | 5 |
| Reliable clamp    | 5 |
| Internal roughing | 5 |
| External roughing | 5 |
| Interrupted cut   | 5 |

5 = Best choice

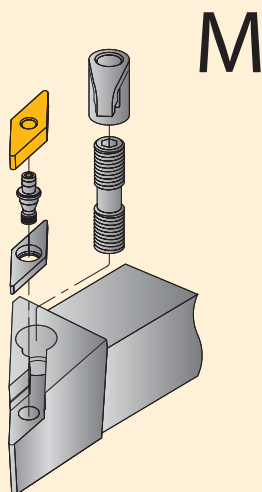
### 3 Lever clamping



|                   |   |
|-------------------|---|
| Repeatability     | 5 |
| Reliable clamp    | 4 |
| Internal roughing | 4 |
| External roughing | 4 |
| Interrupted cut   | 3 |

5 = Best choice

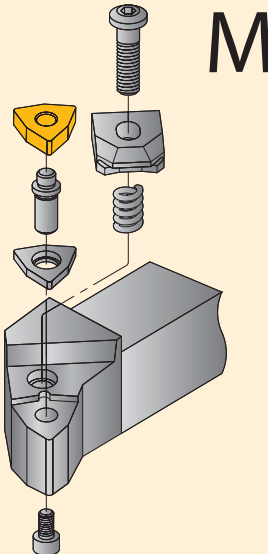
### 4 Screw and top clamping



|                   |   |
|-------------------|---|
| Repeatability     | 4 |
| Reliable clamp    | 5 |
| Internal roughing | 4 |
| External roughing | 5 |
| Interrupted cut   | 5 |

5 = Best choice

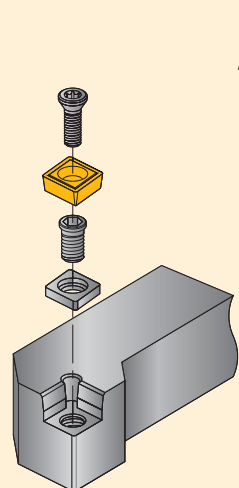
### 5 Wedge clamping



|                   |   |
|-------------------|---|
| Repeatability     | 3 |
| Reliable clamp    | 5 |
| Internal roughing | 5 |
| External roughing | 5 |
| Interrupted cut   | 5 |

5 = Best choice

### 6 Screw clamping



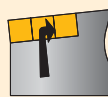
|                   |   |
|-------------------|---|
| Repeatability     | 5 |
| Reliable clamp    | 5 |
| Internal roughing | 3 |
| External roughing | 3 |
| Interrupted cut   | 3 |

5 = Best choice

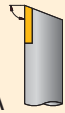
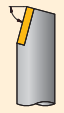
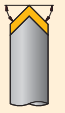
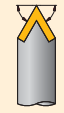
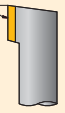
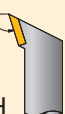
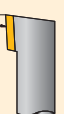
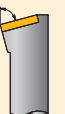
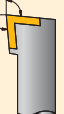
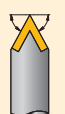
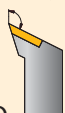
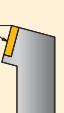
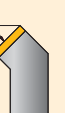
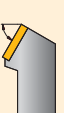
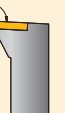
# External Turning Code Key

Extract from ISO

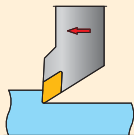
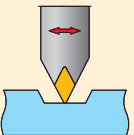
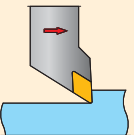
|   |   |   |   |   |    |    |   |    |
|---|---|---|---|---|----|----|---|----|
| D | W | L | N | R | 25 | 25 | M | 08 |
| 1 | 2 | 3 | 4 | 5 | 6  | 7  | 8 | 9  |

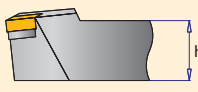
| 1 Clamping System                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Top clamping                                                                      | Top and hole clamping                                                             | Wedge clamping                                                                    | Lever clamping                                                                    | Screw clamping                                                                    |
|  |  |  |  |  |
| C                                                                                 | D                                                                                 | M                                                                                 | P                                                                                 | S                                                                                 |

| 2 Insert Shape                                                                        |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| C  | E  | D  |
| K  | R  | S  |
| T  | V  | W  |

| 3 Approach Angle                                                                                |                                                                                              |                                                                                              |                                                                                              |                                                                                              |                                                                                                 |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 90°<br>A      | 75°<br>B   | 45°<br>D   | 60°<br>E   | 90°<br>F   | 90°<br>G      |
| 107,5°<br>H  | 93°<br>J  | 75°<br>K  | 95°<br>L  | 63°<br>N  | 117,5°<br>P  |
| 107,5°<br>Q  | 75°<br>R  | 45°<br>S  | 60°<br>T  | 93°<br>U  | 72,5°<br>V   |

| 4 Insert Clearance Angle                                                                |                                                                                         |                                                                                         |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| A    | B    | C    |
| D  | E  | F  |
| G  | N  | P  |

| 5 Hand of Tool                                                                        |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| L  | N  | R  |

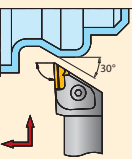
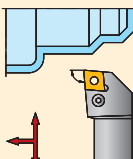
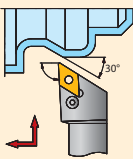
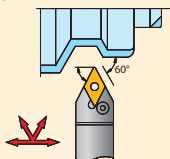
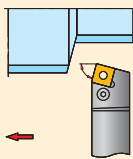
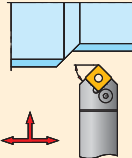
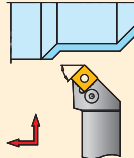
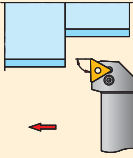
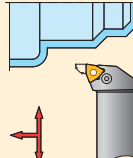
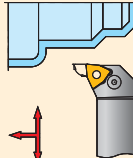
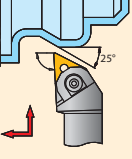
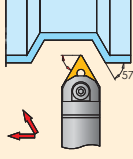
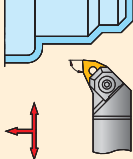
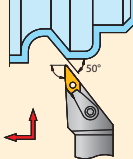
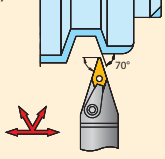
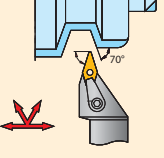
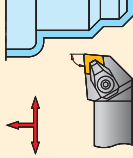
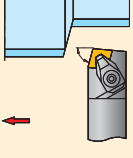
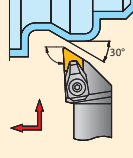
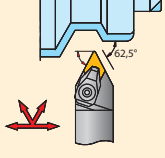
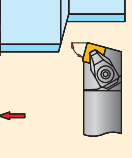
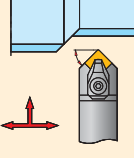
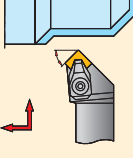
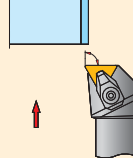
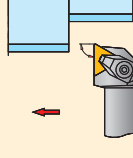
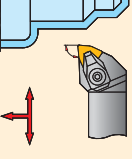
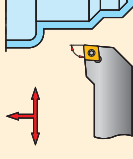
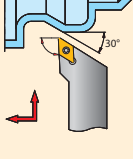
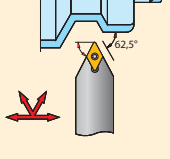
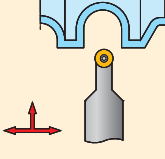
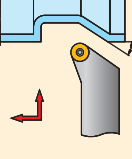
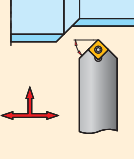
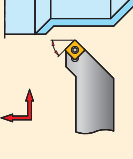
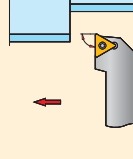
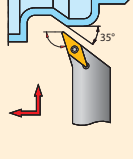
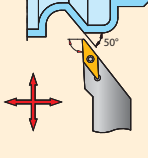
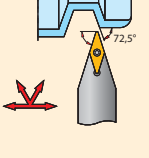
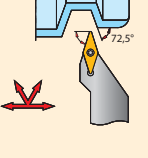
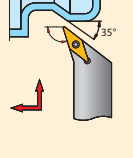
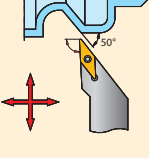
| 6 Shank Height                                                                       | h mm                                  |
|--------------------------------------------------------------------------------------|---------------------------------------|
|  |                                       |
|                                                                                      | 8 = 08 mm<br>16 = 16 mm<br>25 = 25 mm |

| 7 Shank Width                                                                         | b mm                                  |
|---------------------------------------------------------------------------------------|---------------------------------------|
|  |                                       |
|                                                                                       | 8 = 08 mm<br>16 = 16 mm<br>25 = 25 mm |

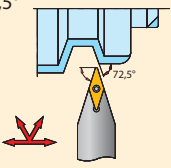
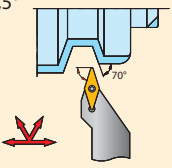
| 8 Tool Length                                                                       |         |         |         |             |
|-------------------------------------------------------------------------------------|---------|---------|---------|-------------|
| L mm                                                                                |         |         |         |             |
|  |         |         |         |             |
| A = 32                                                                              | F = 80  | M = 150 | R = 200 | V = 400     |
| B = 40                                                                              | H = 100 | N = 160 | S = 250 | W = 450     |
| C = 50                                                                              | K = 125 | P = 170 | T = 300 | Y = 500     |
| D = 60                                                                              | L = 140 | Q = 180 | U = 350 | X = Special |

| 9 Cutting edge length-                                                                  |                                                                                         |                                                                                         |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| C  | E  | D  |
| K  | R  | S  |
| T  | V  | W  |

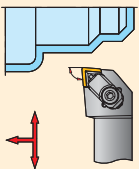
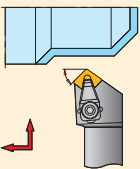
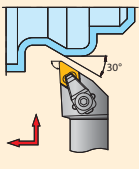
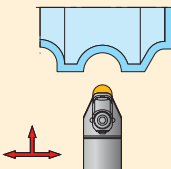
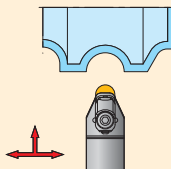
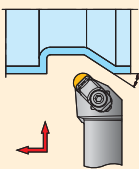
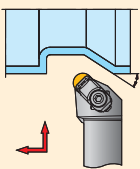
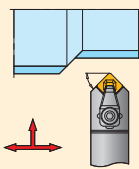
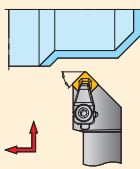
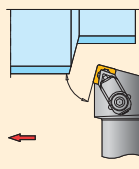
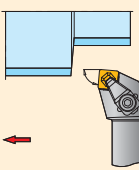
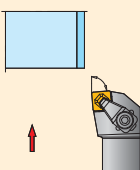
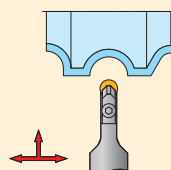
## External Turning Toolholders

|                                                                                                       |        |                                                                                                       |        |                                                                                                       |        |                                                                                                            |        |                                                                                                            |        |
|-------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------|--------|
| CKJNR-L<br>93°<br>   | P-S 12 | PCLNR-L<br>95°<br>   | P-S 12 | PDJNR-L<br>93°<br>   | P-S 13 | PDNNN<br>63°<br>         | P-S 13 | PSBNR-L<br>75°<br>      | P-S 14 |
| PSDNN<br>45°<br>     | P-S 14 | PSSNR-L<br>45°<br>   | P-S 15 | PTGNR-L<br>91°<br>   | P-S 15 | PWANR-L<br>95°<br>      | P-S 16 | PWLNR-L<br>95°<br>      | P-S 16 |
| MTJNR-L<br>93°<br>   | P-S 17 | MTENN<br>60°<br>     | P-S 18 | MWLN-L<br>95°<br>    | P-S 18 | MVJNR-L<br>93°<br>      | P-S 19 | MVVNN<br>72,5°<br>      | P-S 19 |
| MVVNR<br>72,5°<br>  | P-S 20 | DCLNR-L<br>95°<br>  | P-S 20 | DCBNR<br>75°<br>    | P-S 21 | DDJNR-L<br>93°<br>     | P-S 21 | DDNNN<br>63°<br>       | P-S 22 |
| DSBNR-L<br>75°<br> | P-S 22 | DSDNN<br>45°<br>   | P-S 23 | DSSNR-L<br>45°<br> | P-S 23 | DTFNR-L<br>91°<br>    | P-S 24 | DTGNR-L<br>91°<br>    | P-S 24 |
| DWLN-L<br>95°<br>  | P-S 25 | SCLCR-L<br>95°<br> | P-S 25 | SDJCR-L<br>93°<br> | P-S 26 | SDNCN<br>63°<br>       | P-S 26 | SRDCN<br>             | P-S 27 |
| SRGCR-L<br>        | P-S 27 | SSDCN<br>45°<br>   | P-S 28 | SSSCR-L<br>45°<br> | P-S 28 | STGCR-L<br>90°<br>    | P-S 29 | SVHCR-L<br>107,5°<br> | P-S 29 |
| SVJCR-L<br>93°<br> | P-S 30 | SVVCN<br>72,5°<br> | P-S 30 | SVVCR<br>72,5°<br> | P-S 31 | SVHBR-L<br>107,5°<br> | P-S 31 | SVJBR-L<br>93°<br>    | P-S 32 |

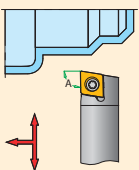
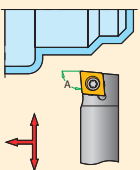
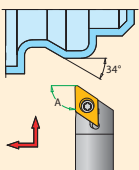
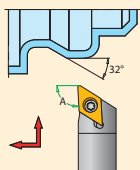
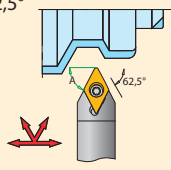
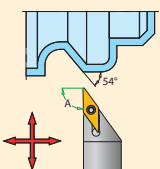
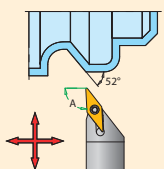
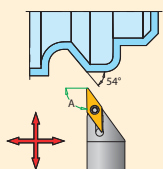
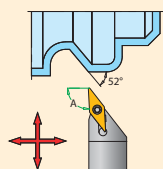
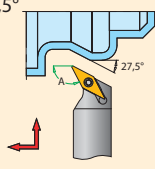
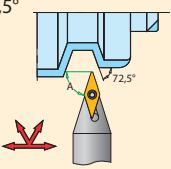
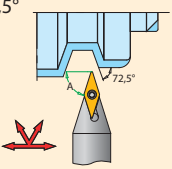
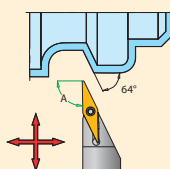
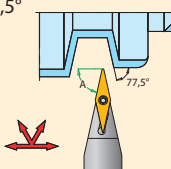
## External Turning Toolholders

|                                                                                                                        |                                                                                                                        |  |  |  |
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| <p>SVVBN<br/>72,5°</p> <p>P-S 32</p>  | <p>SVVBR<br/>72,5°</p> <p>P-S 33</p>  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--|--|--|

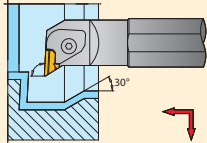
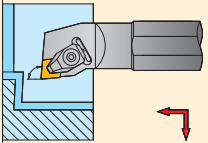
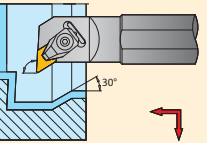
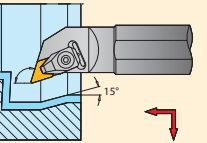
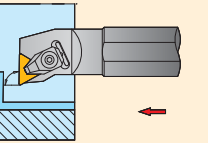
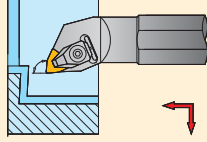
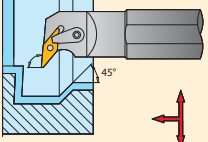
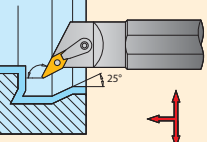
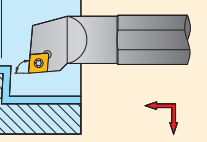
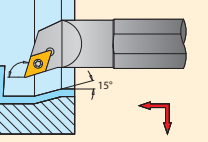
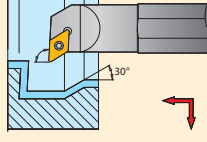
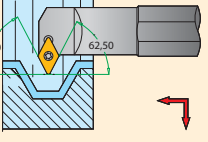
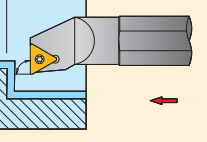
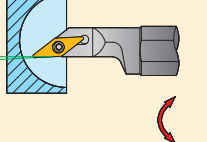
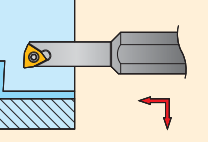
## External Ceramic Toolholder

|                                                                                                                          |                                                                                                                          |                                                                                                                        |                                                                                                                          |                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <p>CCLNR-L<br/>95°</p> <p>P-S 35</p>    | <p>CCSNR-L<br/>45°</p> <p>P-S 35</p>    | <p>CDJNR-L<br/>93°</p> <p>P-S 36</p>  | <p>CRDBN</p> <p>P-S 36</p>             | <p>CRDNN</p> <p>P-S 37</p>           |
| <p>CRSBR-L<br/>33°</p> <p>P-S 37</p>    | <p>CRSNR-L<br/>33°</p> <p>P-S 38</p>    | <p>CSDNN<br/>45°</p> <p>P-S 38</p>    | <p>CSSNR-L<br/>45°</p> <p>P-S 39</p>  | <p>CSNR-L<br/>75°</p> <p>P-S 39</p>  |
| <p>CSXNR-L<br/>85°</p> <p>P-S 40</p>  | <p>CSYNR-L<br/>85°</p> <p>P-S 40</p>  | <p>CRDCN</p> <p>P-S 41</p>          |                                                                                                                          |                                                                                                                         |

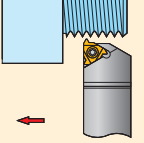
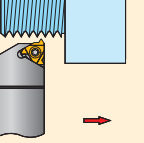
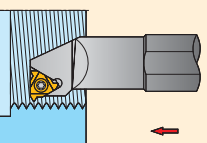
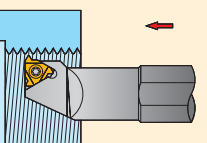
## Swiss Type External Turning Toolholders

|                                                                                                                          |                                                                                                                          |                                                                                                                          |                                                                                                                            |                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <p>SCACR<br/>91°</p> <p>P-S 43</p>    | <p>SCLCR-L<br/>95°</p> <p>P-S 43</p>  | <p>SDACR-L<br/>91°</p> <p>P-S 44</p>  | <p>SDJCR-L<br/>93°</p> <p>P-S 44</p>  | <p>SDNCN<br/>62,5°</p> <p>P-S 45</p>     |
| <p>SVABR-L<br/>91°</p> <p>P-S 45</p>  | <p>SVJBR-L<br/>93°</p> <p>P-S 46</p>  | <p>SVACR-L<br/>91°</p> <p>P-S 46</p>  | <p>SVJCR-L<br/>93°</p> <p>P-S 47</p>   | <p>SVPCR-L<br/>117,5°</p> <p>P-S 47</p>  |
| <p>SVVBN<br/>72,5°</p> <p>P-S 48</p>  | <p>SVVCN<br/>72,5°</p> <p>P-S 48</p>  | <p>SXACR-L<br/>91°</p> <p>P-S 49</p>  | <p>SXVCN<br/>77,5°</p> <p>P-S 49</p>   |                                                                                                                               |

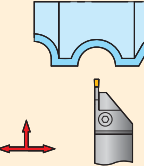
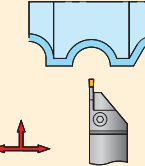
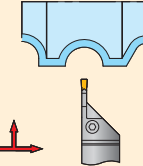
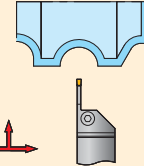
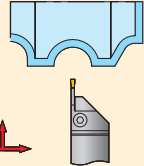
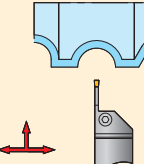
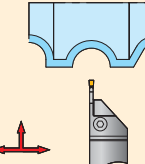
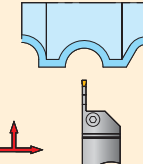
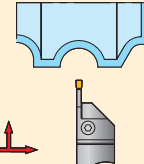
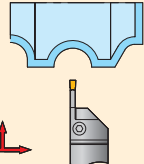
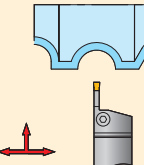
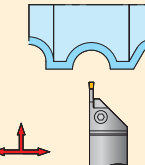
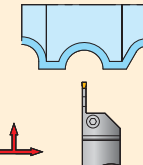
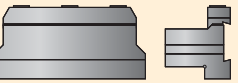
## Internal Turning Toolholders

|                                                                                                                      |                                                                                                                      |                                                                                                                         |                                                                                                                           |                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>CKUNR</b><br>93°<br>P-S 52<br>   | <b>DCLNR-L</b><br>95°<br>P-S 52<br> | <b>DDUNR-L</b><br>93°<br>P-S 53<br>    | <b>DDQNR-L</b><br>107,5°<br>P-S 53<br> | <b>DTFNR-L</b><br>91°<br>P-S 54<br>    |
| <b>DWLN-L</b><br>95°<br>P-S 54<br>  | <b>MVLNR-L</b><br>95°<br>P-S 55<br> | <b>MVPNR-L</b><br>117,5°<br>P-S 55<br> | <b>SCLCR-L</b><br>95°<br>P-S 56<br>    | <b>SDQCR-L</b><br>107,5°<br>P-S 57<br> |
| <b>SDUCR-L</b><br>93°<br>P-S 58<br> | <b>SDWCR</b><br>62,5°<br>P-S 59<br> | <b>STFCR-L</b><br>90°<br>P-S 60<br>    | <b>SVJCR</b><br>93°<br>P-S 61<br>      | <b>SWUBR-L</b><br>93°<br>P-S 62<br>    |

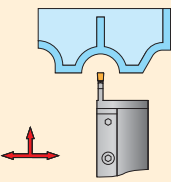
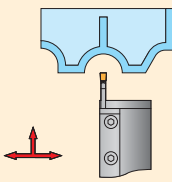
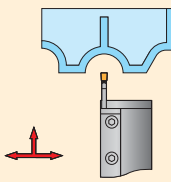
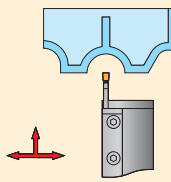
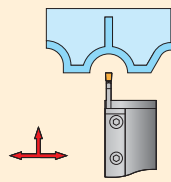
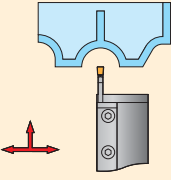
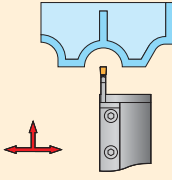
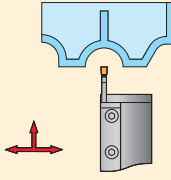
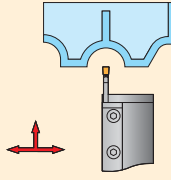
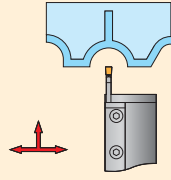
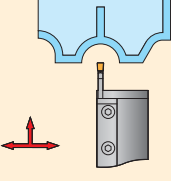
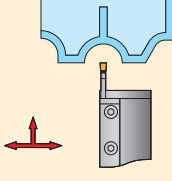
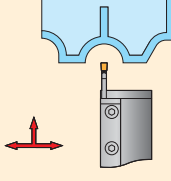
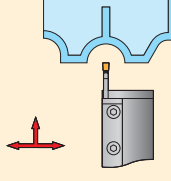
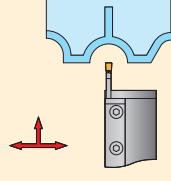
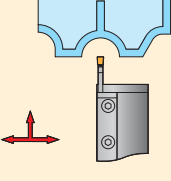
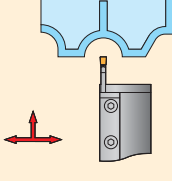
## Threading Toolholders

|                                                                                                             |                                                                                                             |                                                                                                             |                                                                                                               |  |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--|
| <b>SER</b><br>P-S 64<br> | <b>SEL</b><br>P-S 64<br> | <b>SIR</b><br>P-S 65<br> | <b>SIL</b><br>P-S 65<br> |  |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--|

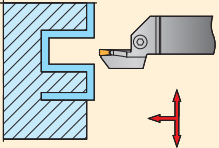
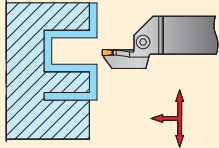
## External Grooving and Parting

|                                                                                                                   |                                                                                                                  |                                                                                                                    |                                                                                                                      |                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>AGHGR</b><br>P-S 68<br>     | <b>ADGR</b><br>P-S 68<br>     | <b>EGPR -S123</b><br>P-S 69<br> | <b>EGPR -S151</b><br>P-S 69<br> | <b>EGPR -M</b><br>P-S 70<br>  |
| <b>EGPR -LM</b><br>P-S 70<br>  | <b>EGPR -WT</b><br>P-S 71<br> | <b>EGPR -GX16</b><br>P-S 71<br> | <b>EGPR -HS</b><br>P-S 72<br>   | <b>EGPR -X3</b><br>P-S 73<br> |
| <b>EGPR- KN2</b><br>P-S 73<br> | <b>EGPR- T3</b><br>P-S 74<br> | <b>EGPR -KR</b><br>P-S 75<br>   | <b>PKLG</b><br>P-S 76<br>        |                                                                                                                    |

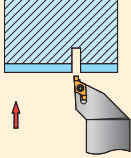
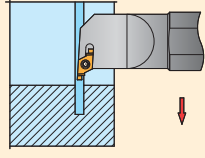
## Parting Tools

|                                                                                                         |                                                                                                        |                                                                                                       |                                                                                                         |                                                                                                          |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| KL-S151<br>P-S 78<br>  | KL-LFMX<br>P-S 78<br> | KL-GTN<br>P-S 79<br> | KL-KGT<br>P-S 79<br>  | KL-PR<br>P-S 80<br>   |
| KL-LM<br>P-S 80<br>    | KL-DG<br>P-S 81<br>   | KL-T3<br>P-S 81<br>  | KL-M<br>P-S 82<br>    | KL-KR<br>P-S 82<br>   |
| KL-SGC<br>P-S 83<br>   | KL-PGP<br>P-S 83<br>  | KL-A4<br>P-S 84<br>  | KL-S123<br>P-S 84<br> | KL-GX24<br>P-S 85<br> |
| KL-PRGL<br>P-S 85<br> | KL-GS<br>P-S 86<br>  |                                                                                                       |                                                                                                         |                                                                                                          |

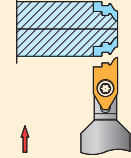
## External Face Grooving

|                                                                                                            |                                                                                                          |  |  |  |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--|--|--|
| EFGR-S123<br>P-S 88<br> | EFGR-WT<br>P-S 88<br> |  |  |  |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--|--|--|

## Circlips Grooving

|                                                                                                          |                                                                                                          |  |  |  |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--|--|--|
| P61-SFR<br>P-S 90<br> | P61-SGR<br>P-S 90<br> |  |  |  |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--|--|--|

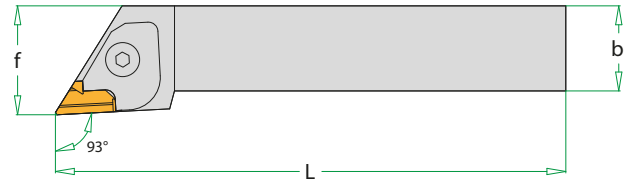
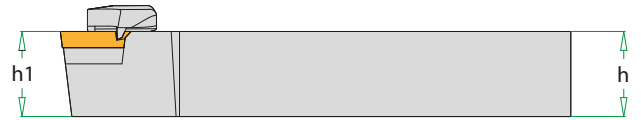
## Form Tools

|                                                                                                       |  |  |  |  |
|-------------------------------------------------------------------------------------------------------|--|--|--|--|
| SFEN<br>P-S 92<br> |  |  |  |  |
|-------------------------------------------------------------------------------------------------------|--|--|--|--|

# External Turning Toolholders



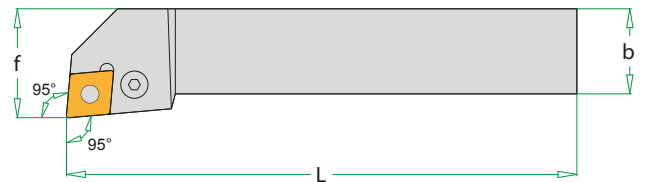
## CKJNR



| Code No          | h  | b  | L   | h1 | f  | Inserts     |
|------------------|----|----|-----|----|----|-------------|
| CKJNR-L 2025M 16 | 20 | 25 | 150 | 20 | 32 | KNUX 1604.. |
| CKJNR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | KNUX 1604.. |
| CKJNR-L 3225P 16 | 32 | 25 | 170 | 32 | 32 | KNUX 1604.. |

| Shim     | Clamp    | Screw | Spring | Shim Pin | Spring-Pin |
|----------|----------|-------|--------|----------|------------|
|          |          |       |        |          |            |
| AL.10R-L | PB.10R-L | CV.10 | YY.10  | AP.10    | YP.10      |
| AL.10R-L | PB.10R-L | CV.10 | YY.10  | AP.10    | YP.10      |
| AL.10R-L | PB.10R-L | CV.10 | YY.10  | AP.10    | YP.10      |

## PCLNR

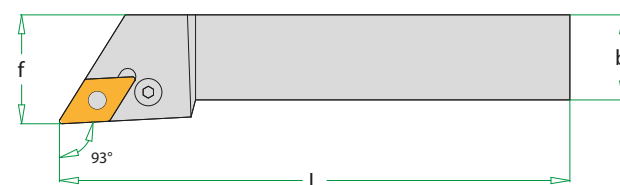


| Code No          | h  | b  | L   | h1 | f  | Inserts     |
|------------------|----|----|-----|----|----|-------------|
| PCLNR-L 1616H 09 | 16 | 16 | 100 | 16 | 20 | CNMG 0903.. |
| PCLNR-L 2020K 09 | 20 | 20 | 125 | 20 | 25 | CNMG 0903.. |
| PCLNR-L 2525M 09 | 25 | 25 | 150 | 25 | 32 | CNMG 0903.. |
| PCLNR-L 1616H 12 | 16 | 16 | 100 | 16 | 20 | CNMG 1204.. |
| PCLNR-L 2020K 12 | 20 | 20 | 125 | 20 | 25 | CNMG 1204.. |
| PCLNR-L 2525M 12 | 25 | 25 | 150 | 25 | 32 | CNMG 1204.. |
| PCLNR-L 3232P 12 | 32 | 32 | 170 | 32 | 40 | CNMG 1204.. |

| Shim  | Lever | Screw    | Shim pin |
|-------|-------|----------|----------|
|       |       |          |          |
| AL-73 | LV-15 | CV-39    | AP-24    |
| AL-73 | LV-15 | CV-39    | AP-24    |
| AL-73 | LV-15 | CV-39    | AP-24    |
| AL-20 | LV-18 | CV.16A-1 | AP.13    |
| AL-20 | LV-18 | CV.16A   | AP.13    |
| AL-20 | LV-18 | CV.16A   | AP.13    |
| AL-20 | LV-18 | CV.16A   | AP.13    |

NEW  
NEW  
NEW

# PDJNR

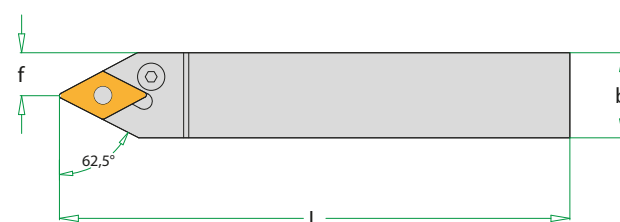


| Code No            | h  | b  | L   | h1 | f  | Inserts     |
|--------------------|----|----|-----|----|----|-------------|
| PDJNR-L 1616H 11   | 16 | 16 | 100 | 16 | 20 | DNMG 1104.. |
| PDJNR-L 2020K 11   | 20 | 20 | 125 | 20 | 25 | DNMG 1104.. |
| PDJNR-L 2525M 11   | 25 | 25 | 150 | 25 | 32 | DNMG 1104.. |
| * PDJNR-L 2020K 15 | 20 | 20 | 125 | 20 | 25 | DNMG 1506.. |
| * PDJNR-L 2525M 15 | 25 | 25 | 150 | 25 | 32 | DNMG 1506.. |
| * PDJNR-L 3232P 15 | 32 | 32 | 170 | 32 | 40 | DNMG 1506.. |

| Shim  | Lever | Screw | Shim pin |
|-------|-------|-------|----------|
|       |       |       |          |
| AL.60 | LV.16 | CV.39 | AP.24    |
| AL.60 | LV.16 | CV.39 | AP.24    |
| AL.60 | LV.16 | CV.39 | AP.24    |
| AL.21 | LV.17 | CV.16 | AP.13    |
| AL.21 | LV.17 | CV.16 | AP.13    |
| AL.21 | LV.17 | CV.16 | AP.13    |

\* If you change the shim AL-67 on the marked toolholders you can mount also DNMG 1504.. coded insert

# PDNNN

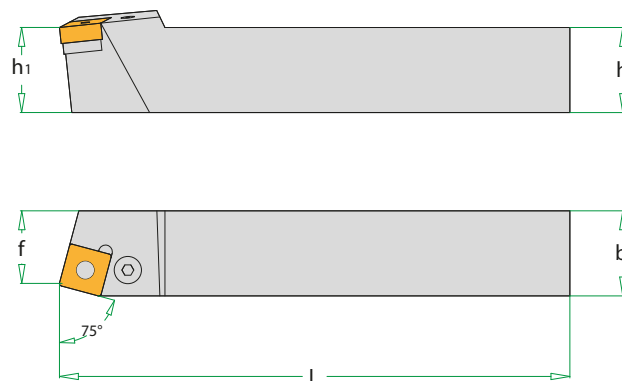


| Code No          | h  | b  | L   | h1 | f    | Inserts     |
|------------------|----|----|-----|----|------|-------------|
| PDNNN 2020K 11   | 20 | 20 | 125 | 20 | 10   | DNMG 1104.. |
| PDNNN 2525M 11   | 25 | 25 | 150 | 25 | 12,5 | DNMG 1104.. |
| * PDNNN 2020K 15 | 20 | 20 | 125 | 20 | 10   | DNMG 1506.. |
| * PDNNN 2525M 15 | 25 | 25 | 150 | 25 | 12,5 | DNMG 1506.. |

| Shim  | Lever | Screw | Shim pin |
|-------|-------|-------|----------|
|       |       |       |          |
| AL.60 | LV.16 | CV.39 | AP.24    |
| AL.60 | LV.16 | CV.39 | AP.24    |
| AL.21 | LV.17 | CV.16 | AP.13    |
| AL.21 | LV.17 | CV.16 | AP.13    |

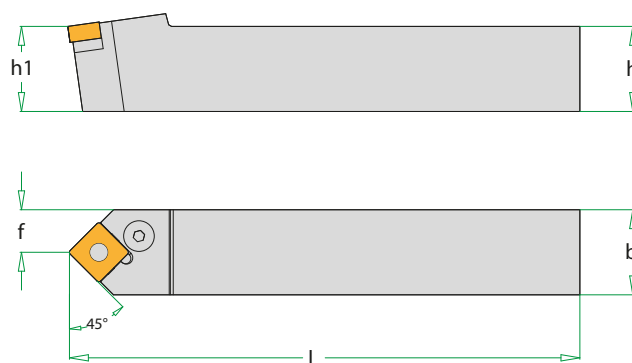
\* If you change the shim AL-67 on the marked toolholders you can mount also DNMG 1504.. coded insert

## PSBNR



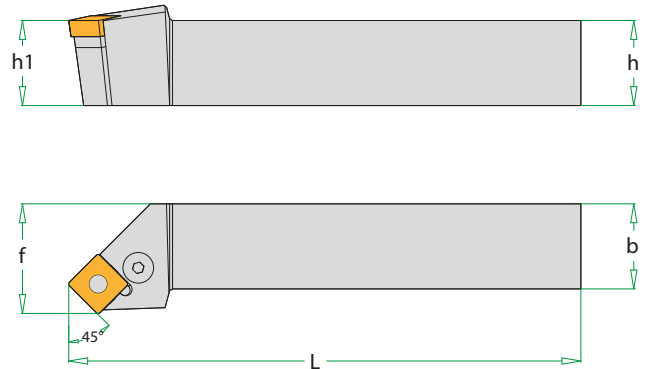
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim                                                                               | Lever                                                                               | Screw                                                                               | Shim pin                                                                            |
|------------------|----|----|-----|----|----|-------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PSBNR-L 2020K 12 | 20 | 20 | 125 | 20 | 17 | SNMG 1204.. |  |  |  |  |
| PSBNR-L 2525M 12 | 25 | 25 | 150 | 25 | 22 | SNMG 1204.. | AL.19A                                                                             | LV.18                                                                               | CV.16A                                                                              | AP.13                                                                               |
|                  |    |    |     |    |    |             | AL.19A                                                                             | LV.18                                                                               | CV.16A                                                                              | AP.13                                                                               |

## PSDNN



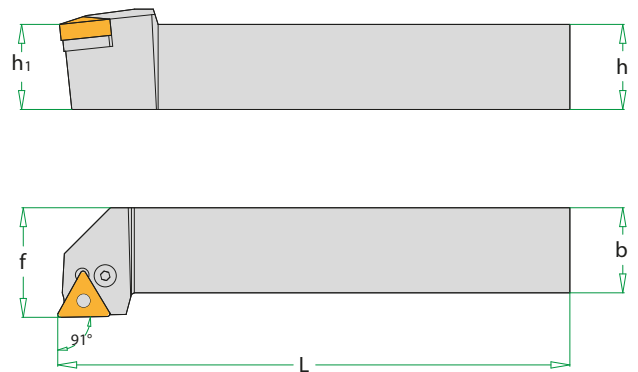
| Code No        | h  | b  | L   | h1 | f    | Inserts     | Shim                                                                                 | Lever                                                                                 | Screw                                                                                 | Shim pin                                                                              |
|----------------|----|----|-----|----|------|-------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| PSDNN 2020K 12 | 20 | 20 | 125 | 20 | 10   | SNMG 1204.. |  |  |  |  |
| PSDNN 2525M 12 | 25 | 25 | 150 | 25 | 12,5 | SNMG 1204.. | AL.19A                                                                               | LV.18                                                                                 | CV.16A                                                                                | AP.13                                                                                 |
|                |    |    |     |    |      |             | AL.19A                                                                               | LV.18                                                                                 | CV.16A                                                                                | AP.13                                                                                 |

## PSSNR



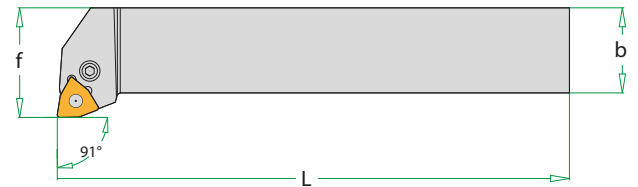
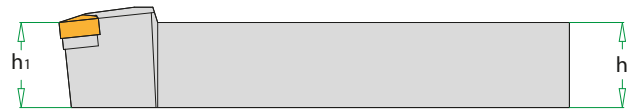
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim   | Lever | Screw  | Shim pin |
|------------------|----|----|-----|----|----|-------------|--------|-------|--------|----------|
| PSSNR-L 2020K 12 | 20 | 20 | 125 | 20 | 25 | SNMG 1204.. | AL.19A | LV.18 | CV.16A | AP.13    |
| PSSNR-L 2525M 12 | 25 | 25 | 150 | 25 | 32 | SNMG 1204.. | AL.19A | LV.18 | CV.16A | AP.13    |

## PTGNR



| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim  | Lever | Screw  | Shim pin |
|------------------|----|----|-----|----|----|-------------|-------|-------|--------|----------|
| PTGNR-L 2020K 16 | 20 | 20 | 125 | 20 | 25 | TNMG 1604.. | AL.61 | LV.15 | CV.39  | AP.24    |
| PTGNR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | TNMG 1604.. | AL.61 | LV.15 | CV.39  | AP.24    |
| PTGNR-L 2525M 22 | 25 | 25 | 150 | 25 | 32 | TNMG 2204.. | AL.62 | LV.18 | CV.16A | AP.13    |

# PWANR

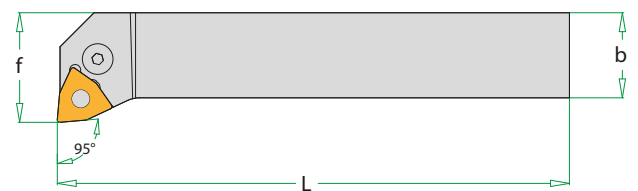


NEW-NEU  
NEW-NEU  
NEW-NEU

| Code No          | h  | b  | L   | h1 | f  | Inserts<br>Platten |
|------------------|----|----|-----|----|----|--------------------|
| PWANR-L 1616H 06 | 16 | 16 | 100 | 16 | 20 | WNMG 0604..        |
| PWANR-L 2020K 06 | 20 | 20 | 125 | 20 | 25 | WNMG 0604..        |
| PWANR-L 2525M 06 | 25 | 25 | 150 | 25 | 32 | WNMG 0604..        |

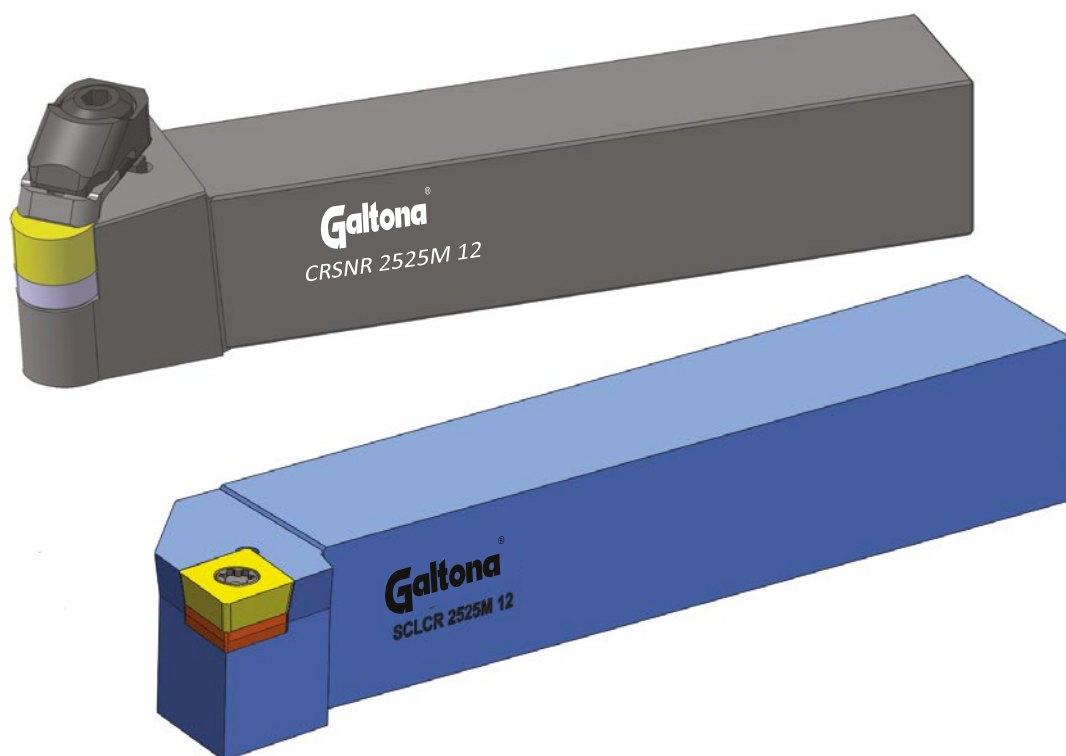
| Shim<br>Unterlage | Lever<br>Kniehebel | Screw<br>Schraube | Shim pin<br>Rohrstift |
|-------------------|--------------------|-------------------|-----------------------|
|                   |                    |                   |                       |
| AL-72             | LV-15              | CV-39             | AP-24                 |
| AL-72             | LV-15              | CV-39             | AP-24                 |
| AL-72             | LV-15              | CV-39             | AP-24                 |

# PWLNR

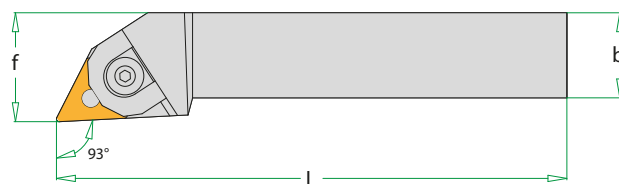


| Code No          | h  | b  | L   | h1 | f  | Inserts<br>Platten |
|------------------|----|----|-----|----|----|--------------------|
| PWLNR-L 2020K 08 | 20 | 20 | 125 | 20 | 25 | WNMG 0804..        |
| PWLNR-L 2525M 08 | 25 | 25 | 150 | 25 | 32 | WNMG 0804..        |

| Shim<br>Unterlage | Lever<br>Kniehebel | Screw<br>Schraube | Shim pin<br>Rohrstift |
|-------------------|--------------------|-------------------|-----------------------|
|                   |                    |                   |                       |
| AL.66             | LV.18              | CV.16A            | AP.13                 |
| AL.66             | LV.18              | CV.16A            | AP.13                 |



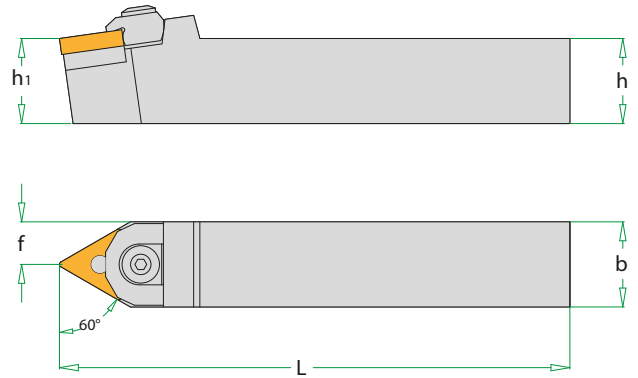
## MTJNR



| Code No          | h  | b  | L   | h <sub>1</sub> | f  | Inserts     |
|------------------|----|----|-----|----------------|----|-------------|
| MTJNR-L 2020K 16 | 20 | 20 | 125 | 20             | 25 | TNMG 1604.. |
| MTJNR-L 2525M 16 | 25 | 25 | 150 | 25             | 32 | TNMG 1604.. |
| MTJNR-L 3232P 16 | 32 | 32 | 170 | 32             | 40 | TNMG 1604.. |
| MTJNR-L 2525M 22 | 25 | 25 | 150 | 25             | 32 | TNMG 2204.. |
| MTJNR-L 3232P 22 | 32 | 32 | 170 | 32             | 40 | TNMG 2204.. |

| Shim  | Wedge clamp | Screw | Shim Pin |
|-------|-------------|-------|----------|
|       |             |       |          |
| AL.22 | PB.16A      | CV.15 | AP.14    |
| AL.22 | PB.16A      | CV.15 | AP.14    |
| AL.22 | PB.16A      | CV.15 | AP.14    |
| AL.19 | PB.16       | CV.15 | AP.12    |
| AL.19 | PB.16       | CV.15 | AP.12    |

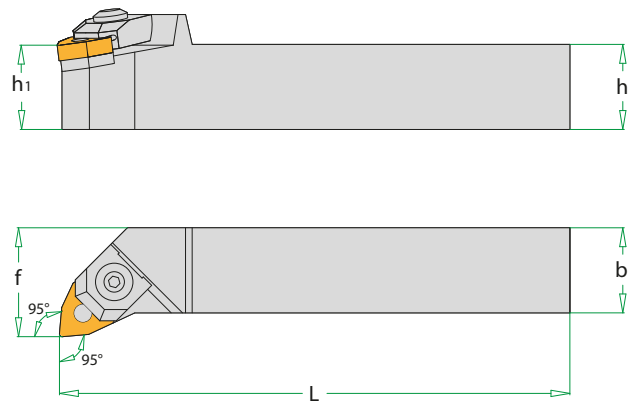
# MTENN



| Code No        | h  | b  | L   | h1 | f    | Inserts     |
|----------------|----|----|-----|----|------|-------------|
| MTENN 2020K 16 | 20 | 20 | 125 | 20 | 10   | TNMG 1604.. |
| MTENN 2525M 16 | 25 | 25 | 150 | 25 | 12,5 | TNMG 1604.. |
| MTENN 3232P 16 | 32 | 32 | 170 | 32 | 16   | TNMG 1604.. |
| MTENN 2525M 22 | 25 | 25 | 150 | 25 | 12,5 | TNMG 2204.. |
| MTENN 3232P 22 | 32 | 32 | 170 | 32 | 16   | TNMG 2204.. |

| Shim  | Wedge clamp | Screw | Shim Pin |
|-------|-------------|-------|----------|
|       |             |       |          |
| AL.22 | PB.16A      | CV.15 | AP.14    |
| AL.22 | PB.16A      | CV.15 | AP.14    |
| AL.22 | PB.16A      | CV.15 | AP.14    |
| AL.19 | PB.16       | CV.15 | AP.12    |
| AL.19 | PB.16       | CV.15 | AP.12    |

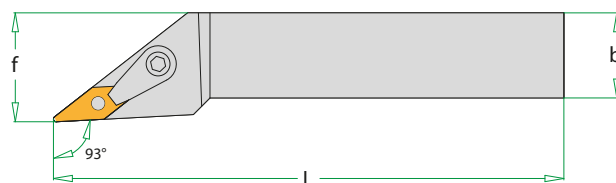
# MWLNR



| Code No          | h  | b  | L   | h1 | f  | Inserts     |
|------------------|----|----|-----|----|----|-------------|
| MWLNR-L 2020K 08 | 20 | 20 | 125 | 20 | 27 | WNMG 0804.. |
| MWLNR-L 2525M 08 | 25 | 25 | 150 | 25 | 32 | WNMG 0804.. |
| MWLNR-L 3232P 08 | 32 | 32 | 170 | 32 | 40 | WNMG 0804.. |

| Shim  | Wedge clamp | Screw | Spring | Shim Pin |
|-------|-------------|-------|--------|----------|
|       |             |       |        |          |
| AL.33 | PB.25       | CV.15 | YY.13  | AP.16    |
| AL.33 | PB.25       | CV.15 | YY.13  | AP.16    |
| AL.33 | PB.25       | CV.15 | YY.13  | AP.16    |

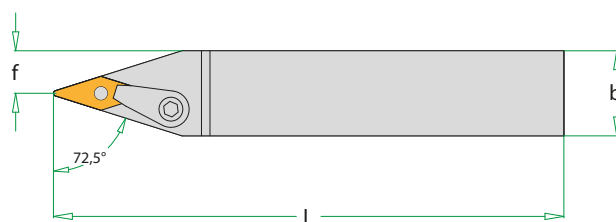
## MVJNR



| Code No          | h  | b  | L   | h1 | f  | Inserts     |
|------------------|----|----|-----|----|----|-------------|
| MVJNR-L 2020K 16 | 20 | 20 | 125 | 20 | 25 | VNMG 1604.. |
| MVJNR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | VNMG 1604.. |
| MVJNR-L 3225P 16 | 32 | 25 | 170 | 32 | 32 | VNMG 1604.. |

| Shim  | Clamp | Clamp screw | Shim Screw |
|-------|-------|-------------|------------|
|       |       |             |            |
| AL.41 | PB.24 | CV.26       | AP.15      |
| AL.41 | PB.24 | CV.26       | AP.15      |
| AL.41 | PB.24 | CV.26       | AP.15      |

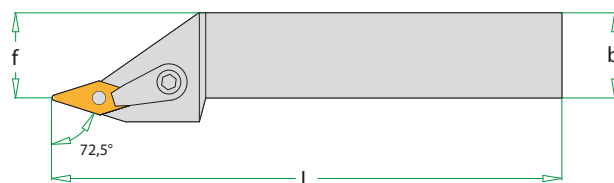
## MNVNN



| Code No        | h  | b  | L   | h1 | f    | Inserts     |
|----------------|----|----|-----|----|------|-------------|
| MNVNN 2020K 16 | 20 | 20 | 125 | 20 | 10   | VNMG 1604.. |
| MNVNN 2525M 16 | 25 | 25 | 150 | 25 | 12,5 | VNMG 1604.. |
| MNVNN 3225P 16 | 32 | 25 | 170 | 32 | 12,5 | VNMG 1604.. |

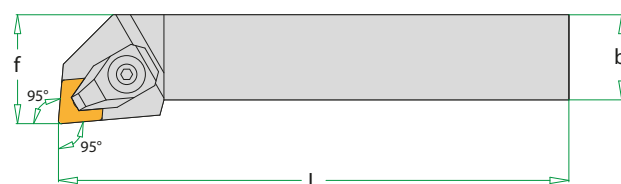
| Shim  | Clamp | Clamp screw | Shim Screw |
|-------|-------|-------------|------------|
|       |       |             |            |
| AL.41 | PB.24 | CV.26       | AP.15      |
| AL.41 | PB.24 | CV.26       | AP.15      |
| AL.41 | PB.24 | CV.26       | AP.15      |

# MVVNR



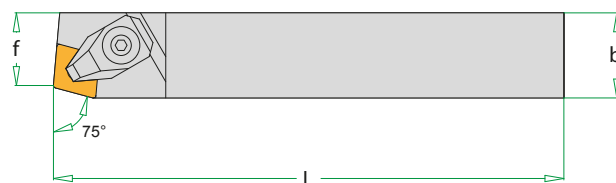
| Code No        | h  | b  | L   | h1 | f  | Inserts     | Shim  | Clamp | Clamp screw | Shim Screw |
|----------------|----|----|-----|----|----|-------------|-------|-------|-------------|------------|
| MVVNR 2020K 16 | 20 | 20 | 125 | 20 | 20 | VNMG 1604.. |       |       |             |            |
| MVVNR 2525M 16 | 25 | 25 | 150 | 25 | 25 | VNMG 1604.. | AL.41 | PB.24 | CV.26       | AP.15      |
| MVVNR 3225P 16 | 32 | 25 | 170 | 32 | 25 | VNMG 1604.. | AL.41 | PB.24 | CV.26       | AP.15      |

# DCLNR



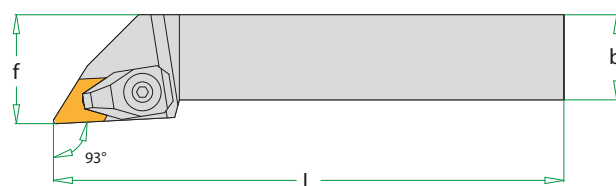
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim  | Clamp | Screw | Spring | Shim Screw |
|------------------|----|----|-----|----|----|-------------|-------|-------|-------|--------|------------|
| DCLNR-L 2020K 12 | 20 | 20 | 125 | 20 | 25 | CNMG 1204.. |       |       |       |        |            |
| DCLNR-L 2525M 12 | 25 | 25 | 150 | 25 | 32 | CNMG 1204.. | AL.34 | PB.20 | CV.15 | YY.13  | AP.18      |
| DCLNR-L 3232P 12 | 32 | 32 | 170 | 32 | 40 | CNMG 1204.. | AL.34 | PB.20 | CV.15 | YY.13  | AP.18      |
| DCLNR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | CNMG 1606.. | AL.35 | PB.21 | CV.15 | YY.13  | AP.20      |
| DCLNR-L 3232P 16 | 32 | 32 | 170 | 32 | 40 | CNMG 1606.. | AL.35 | PB.21 | CV.15 | YY.13  | AP.20      |
| DCLNR-L 3232P 19 | 32 | 32 | 170 | 32 | 40 | CNMG 1906.. | AL.36 | PB.22 | CV.13 | YY.14  | AP.21      |

## DCBNR



| Code No        | h  | b  | L   | h1 | f  | Inserts     | Shim  | Clamp | Screw | Spring | Shim Screw |
|----------------|----|----|-----|----|----|-------------|-------|-------|-------|--------|------------|
| DCBNR 2020K 12 | 20 | 20 | 125 | 20 | 17 | CNMG 1204.. | AL.34 | PB.20 | CV.15 | YY.13  | AP.18      |
| DCBNR 2525M 12 | 25 | 25 | 150 | 25 | 22 | CNMG 1204.. | AL.34 | PB.20 | CV.15 | YY.13  | AP.18      |
| DCBNR 3225P 12 | 32 | 25 | 170 | 32 | 22 | CNMG 1204.. | AL.34 | PB.20 | CV.15 | YY.13  | AP.18      |

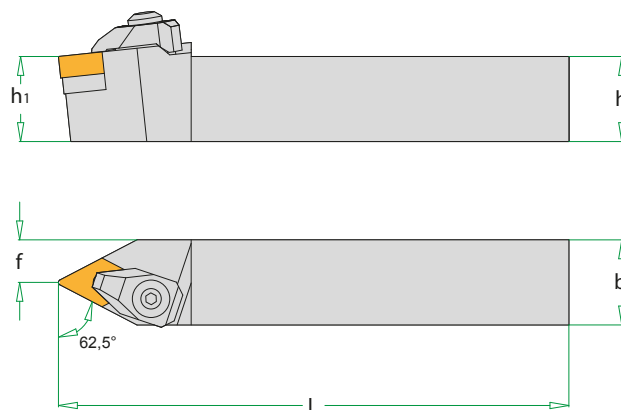
## DDJNR



| Code No            | h  | b  | L   | h1 | f  | Inserts     | Shim  | Clamp | Screw | Spring | Shim Screw |
|--------------------|----|----|-----|----|----|-------------|-------|-------|-------|--------|------------|
| DDJNR-L 1616H 11   | 16 | 16 | 100 | 16 | 20 | DNMG 1104.. | AL.42 | PB.19 | CV.27 | YY.12  | AP.17      |
| DDJNR-L 2020K 11   | 20 | 20 | 125 | 20 | 25 | DNMG 1104.. | AL.42 | PB.19 | CV.27 | YY.12  | AP.17      |
| DDJNR-L 2525M 11   | 25 | 25 | 150 | 25 | 32 | DNMG 1104.. | AL.42 | PB.19 | CV.27 | YY.12  | AP.17      |
| * DDJNR-L 2020K 15 | 20 | 20 | 125 | 20 | 25 | DNMG 1506.. | AL.40 | PB.20 | CV.15 | YY.13  | AP.17      |
| * DDJNR-L 2525M 15 | 25 | 25 | 150 | 25 | 32 | DNMG 1506.. | AL.40 | PB.20 | CV.15 | YY.13  | AP.17      |
| * DDJNR-L 3232P 15 | 32 | 32 | 170 | 32 | 40 | DNMG 1506.. | AL.40 | PB.20 | CV.15 | YY.13  | AP.17      |

\* If you change the shim AL-45 on the marked toolholders you can mount also DNMG 1504.. coded insert

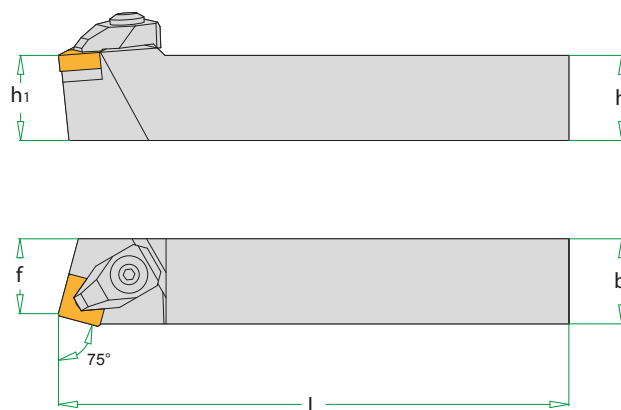
## DDNNN



| Code No          | h  | b  | L   | h1 | f    | Inserts     | Shim  | Clamp | Screw | Spring | Shim Screw |
|------------------|----|----|-----|----|------|-------------|-------|-------|-------|--------|------------|
| DDNNN 2020K 11   | 20 | 20 | 125 | 20 | 10   | DNMG 1104.. | AL.42 | PB.19 | CV.27 | YY.12  | AP.17      |
| DDNNN 2525M 11   | 25 | 25 | 150 | 25 | 12,5 | DNMG 1104.. | AL.42 | PB.19 | CV.27 | YY.12  | AP.17      |
| * DDNNN 2020K 15 | 20 | 20 | 125 | 20 | 10   | DNMG 1506.. | AL.40 | PB.20 | CV.15 | YY.13  | AP.17      |
| * DDNNN 2525M 15 | 25 | 25 | 150 | 25 | 12,5 | DNMG 1506.. | AL.40 | PB.20 | CV.15 | YY.13  | AP.17      |
| * DDNNN 3225P 15 | 32 | 25 | 170 | 32 | 12,5 | DNMG 1506.. | AL.40 | PB.20 | CV.15 | YY.13  | AP.17      |

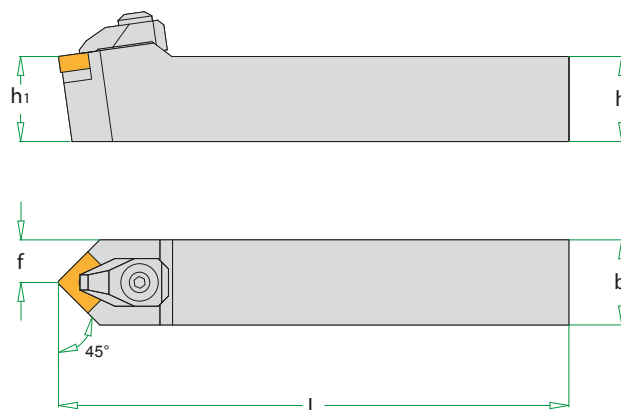
\* If you change the shim AL-45 on the marked toolholders you can mount also DNMG 1504.. coded insert

## DSBNR



| Code No           | h  | b  | L   | h1 | f  | Inserts     | Shim  | Clamp | Screw | Spring | Shim Screw |
|-------------------|----|----|-----|----|----|-------------|-------|-------|-------|--------|------------|
| DSBNR-L 2020K 12K | 20 | 20 | 125 | 20 | 17 | SNMG 1204.. | AL.65 | PB.20 | CV.15 | YY.13  | AP.18      |
| DSBNR-L 2525M 12K | 25 | 25 | 150 | 25 | 22 | SNMG 1204.. | AL.65 | PB.20 | CV.15 | YY.13  | AP.18      |
| DSBNR-L 3225P 12K | 32 | 25 | 170 | 32 | 22 | SNMG 1204.. | AL.65 | PB.20 | CV.15 | YY.13  | AP.18      |
| DSBNR-L 3232P 15  | 32 | 32 | 170 | 32 | 27 | SNMG 1506.. | AL.47 | PB.21 | CV.15 | YY.13  | AP.20      |
| DSBNR-L 3232P 19  | 32 | 32 | 170 | 32 | 27 | SNMG 1906.. | AL.48 | PB.22 | CV.13 | YY.14  | AP.21      |

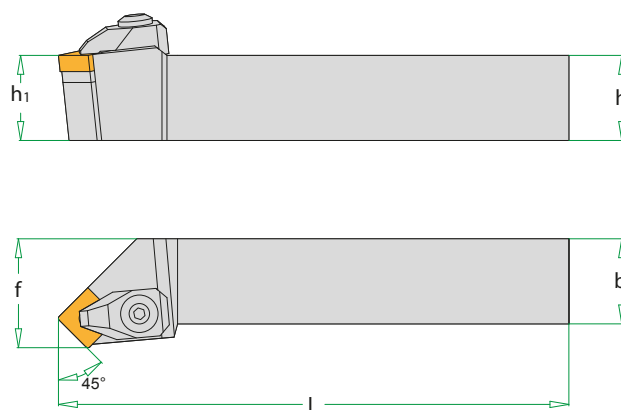
## DSDNN



| Code No         | h  | b  | L   | h1 | f    | Inserts     |
|-----------------|----|----|-----|----|------|-------------|
| DSDNN 2020K 12K | 20 | 20 | 125 | 20 | 10   | SNMG 1204.. |
| DSDNN 2525M 12K | 25 | 25 | 150 | 25 | 12,5 | SNMG 1204.. |
| DSDNN 3225P 12K | 32 | 25 | 170 | 32 | 12,5 | SNMG 1204.. |
| DSDNN 3232P 15  | 32 | 32 | 170 | 32 | 16   | SNMG 1506.. |
| DSDNN 3232P 19  | 32 | 32 | 170 | 32 | 16   | SNMG 1906.. |

| Shim  | Clamp | Screw | Spring | Shim Screw |
|-------|-------|-------|--------|------------|
|       |       |       |        |            |
| AL.65 | PB.20 | CV.15 | YY.13  | AP.18      |
| AL.65 | PB.20 | CV.15 | YY.13  | AP.18      |
| AL.65 | PB.20 | CV.15 | YY.13  | AP.18      |
| AL.47 | PB.21 | CV.15 | YY.13  | AP.20      |
| AL.48 | PB.22 | CV.13 | YY.14  | AP.21      |

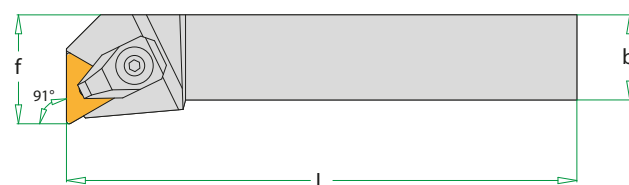
## DSSNR



| Code No           | h  | b  | L   | h1 | f  | Inserts     |
|-------------------|----|----|-----|----|----|-------------|
| DSSNR-L 2020K 12K | 20 | 20 | 125 | 20 | 25 | SNMG 1204.. |
| DSSNR-L 2525M 12K | 25 | 25 | 150 | 25 | 32 | SNMG 1204.. |
| DSSNR-L 3225P 12K | 32 | 25 | 170 | 32 | 32 | SNMG 1204.. |
| DSSNR-L 3232P 15  | 32 | 32 | 170 | 32 | 40 | SNMG 1506.. |
| DSSNR-L 3232P 19  | 32 | 32 | 170 | 32 | 40 | SNMG 1906.. |

| Shim  | Clamp | Screw | Spring | Shim Screw |
|-------|-------|-------|--------|------------|
|       |       |       |        |            |
| AL.65 | PB.20 | CV.15 | YY.13  | AP.18      |
| AL.65 | PB.20 | CV.15 | YY.13  | AP.18      |
| AL.65 | PB.20 | CV.15 | YY.13  | AP.18      |
| AL.47 | PB.21 | CV.15 | YY.13  | AP.20      |
| AL.48 | PB.22 | CV.13 | YY.14  | AP.21      |

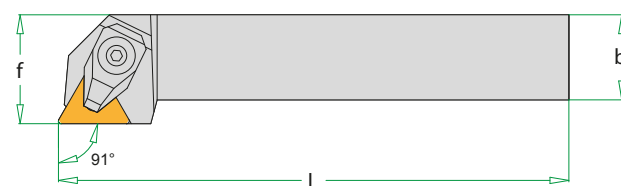
## DTFNR



| Code No          | h  | b  | L   | h1 | f  | Inserts     |
|------------------|----|----|-----|----|----|-------------|
| DTFNR-L 2020K 16 | 20 | 20 | 125 | 20 | 25 | TNMG 1604.. |
| DTFNR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | TNMG 1604.. |
| DTFNR-L 2525M 22 | 25 | 25 | 150 | 25 | 32 | TNMG 2204.. |

| Shim  | Clamp | Screw | Spring | Shim Screw |
|-------|-------|-------|--------|------------|
|       |       |       |        |            |
| AL.22 | PB.19 | CV.27 | YY.12  | AP.17      |
| AL.22 | PB.19 | CV.27 | YY.12  | AP.17      |
| AL.38 | PB.20 | CV.15 | YY.13  | AP.18      |

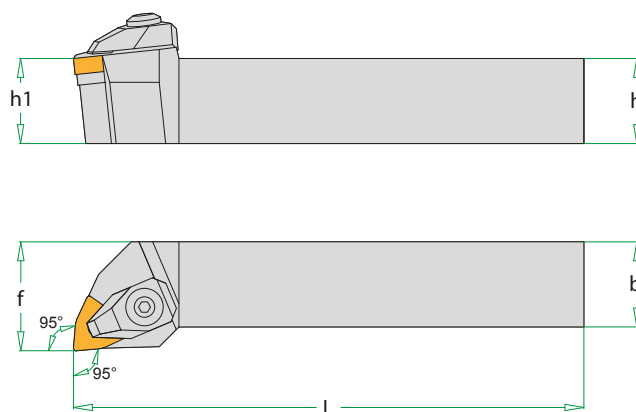
## DTGNR



| Code No          | h  | b  | L   | h1 | f  | Inserts     |
|------------------|----|----|-----|----|----|-------------|
| DTGNR-L 2020K 16 | 20 | 20 | 125 | 20 | 25 | TNMG 1604.. |
| DTGNR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | TNMG 1604.. |
| DTGNR-L 2525M 22 | 25 | 25 | 150 | 25 | 32 | TNMG 2204.. |

| Shim  | Clamp | Screw | Spring | Shim Screw |
|-------|-------|-------|--------|------------|
|       |       |       |        |            |
| AL.22 | PB.19 | CV.27 | YY.12  | AP.17      |
| AL.22 | PB.19 | CV.27 | YY.12  | AP.17      |
| AL.38 | PB.20 | CV.15 | YY.13  | AP.18      |

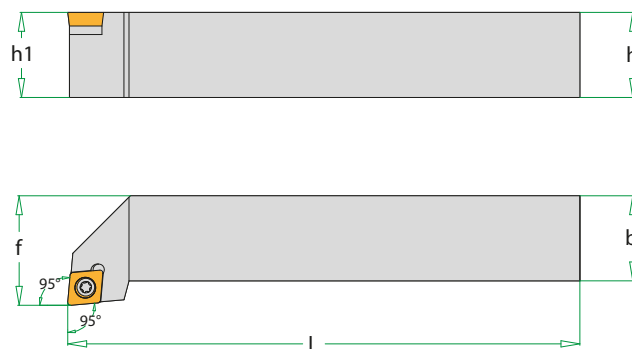
## DWLNR



| Code No            | h  | b  | L   | h1 | f  | Inserts     | Shim  | Clamp | Screw | Spring | Shim Screw |
|--------------------|----|----|-----|----|----|-------------|-------|-------|-------|--------|------------|
| * DWLNR-L 1616H 06 | 16 | 16 | 100 | 16 | 20 | WNMG 0604.. | AL.43 | PB.19 | CV.27 | YY.12  | AP.17      |
| * DWLNR-L 2020K 06 | 20 | 20 | 125 | 20 | 25 | WNMG 0604.. | AL.43 | PB.19 | CV.27 | YY.12  | AP.17      |
| * DWLNR-L 2525M 06 | 25 | 25 | 150 | 25 | 32 | WNMG 0604.. | AL.43 | PB.19 | CV.27 | YY.12  | AP.17      |
| DWLNR-L 2020K 08   | 20 | 20 | 125 | 20 | 25 | WNMG 0804.. | AL.33 | PB.20 | CV.15 | YY.13  | AP.18      |
| DWLNR-L 2525M 08   | 25 | 25 | 150 | 25 | 32 | WNMG 0804.. | AL.33 | PB.20 | CV.15 | YY.13  | AP.18      |
| DWLNR-L 3232P 08   | 32 | 32 | 170 | 32 | 40 | WNMG 0804.. | AL.33 | PB.20 | CV.15 | YY.13  | AP.18      |

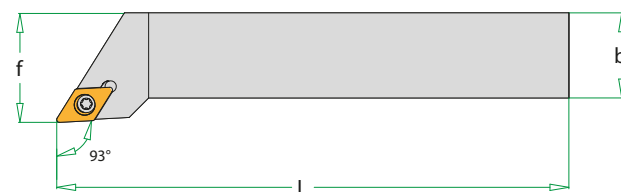
\* If you change the shim AL-44 on the marked toolholders you can mount also WNMG 06T3.. coded insert

## SCLCR



| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim  | Shim Screw | Screw |
|------------------|----|----|-----|----|----|-------------|-------|------------|-------|
| SCLCR-L 1010E 06 | 10 | 10 | 70  | 10 | 12 | CCMT 0602.. | -     | -          | CV.49 |
| SCLCR-L 1212F 09 | 12 | 12 | 80  | 12 | 16 | CCMT 09T3.. | -     | -          | CV.18 |
| SCLCR-L 1616H 09 | 16 | 16 | 100 | 16 | 20 | CCMT 09T3.. | AL.25 | CV.19      | CV.18 |
| SCLCR-L 2020K 09 | 20 | 20 | 125 | 20 | 25 | CCMT 09T3.. | AL.25 | CV.19      | CV.18 |
| SCLCR-L 2525M 09 | 25 | 25 | 150 | 25 | 32 | CCMT 09T3.. | AL.25 | CV.19      | CV.18 |
| SCLCR-L 2020K 12 | 20 | 20 | 125 | 20 | 25 | CCMT 1204.. | AL.26 | CV.21      | CV.17 |
| SCLCR-L 2525M 12 | 25 | 25 | 150 | 25 | 32 | CCMT 1204.. | AL.26 | CV.21      | CV.17 |

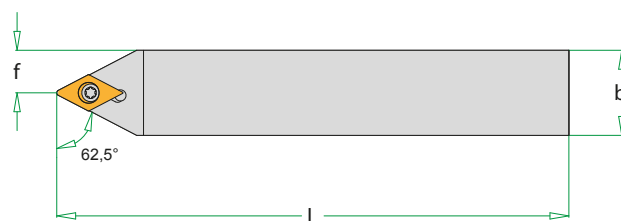
## SDJCR



| Code No          | h  | b  | L   | h1 | f  | Inserts     |
|------------------|----|----|-----|----|----|-------------|
| SDJCR-L 1010E 07 | 10 | 10 | 70  | 10 | 12 | DCMT 0702.. |
| SDJCR-L 1212F 07 | 12 | 12 | 80  | 12 | 16 | DCMT 0702.. |
| SDJCR-L 1212F 11 | 12 | 12 | 80  | 12 | 16 | DCMT 11T3.. |
| SDJCR-L 1616H 11 | 16 | 16 | 100 | 16 | 20 | DCMT 11T3.. |
| SDJCR-L 2020K 11 | 20 | 20 | 125 | 20 | 25 | DCMT 11T3.. |
| SDJCR-L 2525M 11 | 25 | 25 | 150 | 25 | 32 | DCMT 11T3.. |

| Shim  | Shim Screw | Screw |
|-------|------------|-------|
|       |            |       |
| -     | -          | CV.20 |
| -     | -          | CV.20 |
| -     | -          | CV.18 |
| AL.27 | CV.19      | CV.18 |
| AL.27 | CV.19      | CV.18 |
| AL.27 | CV.19      | CV.18 |

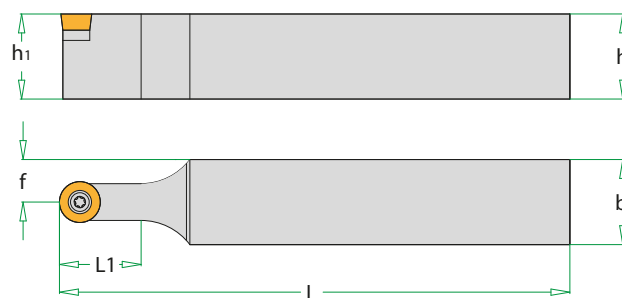
## SDNCN



| Code No        | h  | b  | L   | h1 | f    | Inserts     |
|----------------|----|----|-----|----|------|-------------|
| SDNCN 1212F 07 | 12 | 12 | 80  | 12 | 6    | DCMT 0702.. |
| SDNCN 1212F 11 | 12 | 12 | 80  | 12 | 6    | DCMT 11T3.. |
| SDNCN 1616H 11 | 16 | 16 | 100 | 16 | 8    | DCMT 11T3.. |
| SDNCN 2020K 11 | 20 | 20 | 125 | 20 | 10   | DCMT 11T3.. |
| SDNCN 2525M 11 | 25 | 25 | 150 | 25 | 12,5 | DCMT 11T3.. |

| Shim  | Shim Screw | Screw |
|-------|------------|-------|
|       |            |       |
| -     | -          | CV.20 |
| -     | -          | CV.18 |
| AL.27 | CV.19      | CV.18 |
| AL.27 | CV.19      | CV.18 |
| AL.27 | CV.19      | CV.18 |

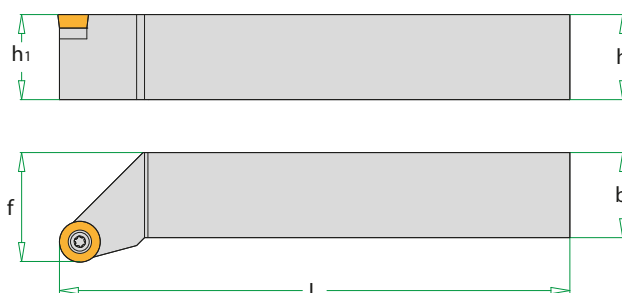
## SRDCN



| Code No          | h  | b  | L   | L1 | h1 | f    | Inserts Platten |
|------------------|----|----|-----|----|----|------|-----------------|
| SRDCN 1010E 06   | 10 | 10 | 70  | 10 | 10 | 5    | RCMT 0602..     |
| SRDCN 1616H 06   | 16 | 16 | 100 | 12 | 16 | 8    | RCMT 0602..     |
| SRDCN 2020K 06   | 20 | 20 | 125 | 12 | 20 | 10   | RCMT 0602..     |
| SRDCN 2525M 06   | 25 | 25 | 150 | 12 | 25 | 12,5 | RCMT 0602..     |
| SRDCN 1616H 08   | 16 | 16 | 100 | 16 | 16 | 8    | RCMT 0803..     |
| SRDCN 2020K 08   | 20 | 20 | 125 | 16 | 20 | 10   | RCMT 0803..     |
| SRDCN 2525M 08   | 25 | 25 | 150 | 16 | 25 | 12,5 | RCMT 0803..     |
| SRDCN 2020K 10   | 20 | 20 | 125 | 21 | 20 | 10   | RCMT 10T3..     |
| SRDCN 2525M 10   | 25 | 25 | 150 | 21 | 25 | 12,5 | RCMT 10T3..     |
| SRDCN 2020K 1003 | 20 | 20 | 125 | 18 | 20 | 10   | RCMT 1003..     |
| SRDCN 2525M 1003 | 25 | 25 | 150 | 18 | 25 | 12,5 | RCMT 1003..     |
| SRDCN 2020K 12   | 20 | 20 | 125 | 26 | 20 | 10   | RCMT 1204..     |
| SRDCN 2525M 12   | 25 | 25 | 150 | 26 | 25 | 12,5 | RCMT 1204..     |

| Shim Unterlage | Shim Screw Unterlage Schraube | Screw Schraube |
|----------------|-------------------------------|----------------|
|                |                               |                |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.24          |
| -              | -                             | CV.24          |
| -              | -                             | CV.24          |
| AL.31          | CV.19                         | CV.18          |
| AL.31          | CV.19                         | CV.18          |
| AL.31          | CV.19                         | CV.18          |
| AL.31          | CV.19                         | CV.18          |
| AL.32          | CV.19                         | CV.18          |
| AL.32          | CV.19                         | CV.18          |

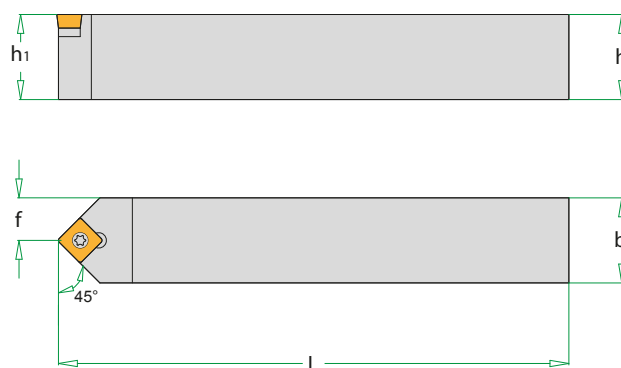
## SRGCR



| Code No            | h  | b  | L   | h1 | f  | Inserts Platten |
|--------------------|----|----|-----|----|----|-----------------|
| SRGCR-L 1010E 06   | 10 | 10 | 70  | 10 | 12 | RCMT 0602..     |
| SRGCR-L 2020K 06   | 20 | 20 | 125 | 20 | 25 | RCMT 0602..     |
| SRGCR-L 2020K 08   | 20 | 20 | 125 | 20 | 25 | RCMT 0803..     |
| SRGCR-L 2525M 08   | 25 | 25 | 150 | 25 | 32 | RCMT 0803..     |
| SRGCR-L 2020K 1003 | 20 | 20 | 125 | 20 | 25 | RCMT 1003..     |
| SRGCR-L 2020K 10   | 20 | 20 | 125 | 20 | 25 | RCMT 10T3..     |
| SRGCR-L 2525M 10   | 25 | 25 | 150 | 25 | 32 | RCMT 10T3..     |
| SRGCR-L 2020K 12   | 20 | 20 | 125 | 20 | 25 | RCMT 1204..     |
| SRGCR-L 2525M 12   | 25 | 25 | 150 | 25 | 32 | RCMT 1204..     |

| Shim Unterlage | Shim Screw Unterlage Schraube | Screw Schraube |
|----------------|-------------------------------|----------------|
|                |                               |                |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.24          |
| -              | -                             | CV.24          |
| AL.31          | CV.19                         | CV.18          |
| AL.31          | CV.19                         | CV.18          |
| AL.31          | CV.19                         | CV.18          |
| AL.32          | CV.19                         | CV.18          |
| AL.32          | CV.19                         | CV.18          |

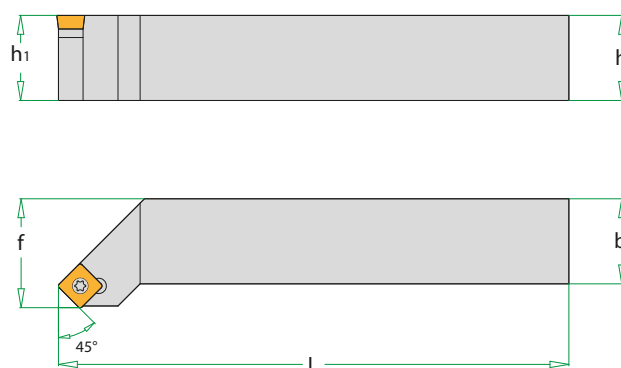
## SSDCN



| Code No        | h  | b  | L   | h1 | f    | Inserts Platten |
|----------------|----|----|-----|----|------|-----------------|
| SSDCN 1212F 09 | 12 | 12 | 80  | 12 | 6    | SCMT 09T3..     |
| SSDCN 1616H 09 | 16 | 16 | 100 | 16 | 8    | SCMT 09T3..     |
| SSDCN 2020K 09 | 20 | 20 | 125 | 20 | 10   | SCMT 09T3..     |
| SSDCN 2020K 12 | 20 | 20 | 125 | 20 | 10   | SCMT 1204..     |
| SSDCN 2525M 12 | 25 | 25 | 150 | 25 | 12,5 | SCMT 1204..     |

| Shim Unterlage | Shim Screw Unterlage Schraube | Screw Schraube |
|----------------|-------------------------------|----------------|
|                |                               |                |
| -              | -                             | CV.18          |
| -              | -                             | CV.18          |
| AL.29          | CV.19                         | CV.18          |
| AL.30          | CV.21                         | CV.17          |
| AL.30          | CV.21                         | CV.17          |

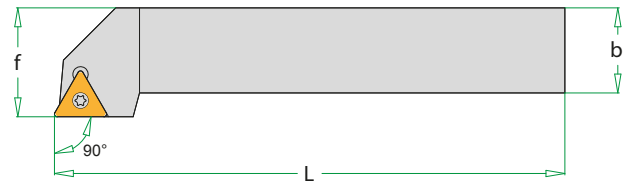
## SSSCR



| Code No          | h  | b  | L   | h1 | f  | Inserts Platten |
|------------------|----|----|-----|----|----|-----------------|
| SSSCR-L 1212F 09 | 12 | 12 | 80  | 12 | 16 | SCMT 09T3..     |
| SSSCR-L 1616H 09 | 16 | 16 | 100 | 16 | 20 | SCMT 09T3..     |
| SSSCR-L 2020K 09 | 20 | 20 | 125 | 20 | 25 | SCMT 09T3..     |
| SSSCR-L 2020K 12 | 20 | 20 | 125 | 20 | 25 | SCMT 1204..     |
| SSSCR-L 2525M 12 | 25 | 25 | 150 | 25 | 32 | SCMT 1204..     |

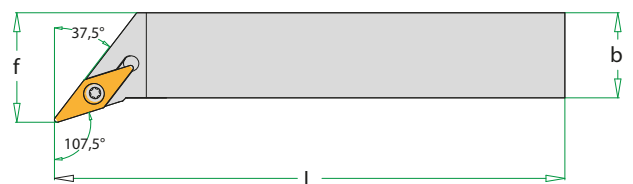
| Shim Unterlage | Shim Screw Unterlage Schraube | Screw Schraube |
|----------------|-------------------------------|----------------|
|                |                               |                |
| -              | -                             | CV.18          |
| -              | -                             | CV.18          |
| AL.29          | CV.19                         | CV.18          |
| AL.30          | CV.21                         | CV.17          |
| AL.30          | CV.21                         | CV.17          |

## STGCR



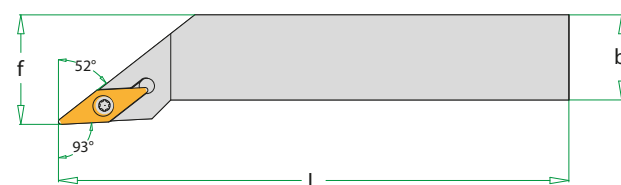
| Code No          | h  | b  | L   | h1 | f  | Inserts<br>Platten | Shim<br>Unterlage | Shim Screw<br>Unterlage Schraube | Screw<br>Schraube |
|------------------|----|----|-----|----|----|--------------------|-------------------|----------------------------------|-------------------|
| STGCR-L 2020K 16 | 20 | 20 | 125 | 20 | 25 | TCMT 16T3..        |                   |                                  |                   |
| STGCR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | TCMT 16T3..        | AL.28             | CV.19                            | CV.18             |

## SVHCR



| Code No          | h  | b  | L   | h1 | f  | Inserts<br>Platten | Shim<br>Unterlage | Shim Screw<br>Unterlage Schraube | Screw<br>Schraube |
|------------------|----|----|-----|----|----|--------------------|-------------------|----------------------------------|-------------------|
| SVHCR-L 1212F 11 | 12 | 12 | 80  | 12 | 16 | VCMT 1103..        |                   |                                  |                   |
| SVHCR-L 1616H 11 | 16 | 16 | 100 | 16 | 20 | VCMT 1103..        | -                 | -                                | CV.20             |
| SVHCR-L 2020K 11 | 20 | 20 | 125 | 20 | 25 | VCMT 1103..        | -                 | -                                | CV.20             |
| SVHCR-L 2020K 16 | 20 | 20 | 125 | 20 | 25 | VCMT 1604..        | AL.23             | CV.19                            | CV.18             |
| SVHCR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | VCMT 1604..        | AL.23             | CV.19                            | CV.18             |

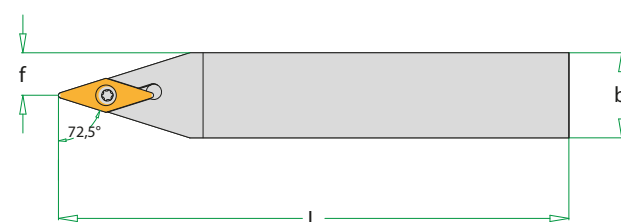
## SVJCR



| Code No          | h  | b  | L   | h1 | f  | Inserts Platten |
|------------------|----|----|-----|----|----|-----------------|
| SVJCR-L 1010E 07 | 10 | 10 | 70  | 10 | 12 | VCMT 0702..     |
| SVJCR-L 1212F 11 | 12 | 12 | 80  | 12 | 16 | VCMT 1103..     |
| SVJCR-L 1616H 11 | 16 | 16 | 100 | 16 | 20 | VCMT 1103..     |
| SVJCR-L 2020K 11 | 20 | 20 | 125 | 20 | 25 | VCMT 1103..     |
| SVJCR-L 2020K 16 | 20 | 20 | 125 | 20 | 25 | VCMT 1604..     |
| SVJCR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | VCMT 1604..     |
| SVJCR-L 3225P 16 | 32 | 25 | 170 | 32 | 32 | VCMT 1604..     |

| Shim Unterlage | Shim Screw Unterlage Schraube | Screw Schraube |
|----------------|-------------------------------|----------------|
|                |                               |                |
| -              | -                             | CV.49          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| AL.23          | CV.19                         | CV.18          |
| AL.23          | CV.19                         | CV.18          |
| AL.23          | CV.19                         | CV.18          |

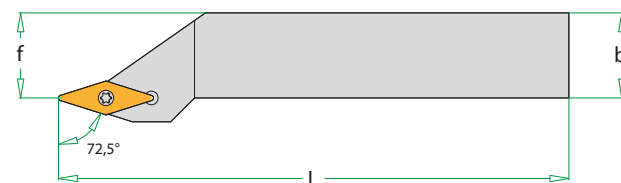
## SVVCN

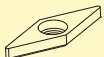


| Code No        | h  | b  | L   | h1 | f    | Inserts Platten |
|----------------|----|----|-----|----|------|-----------------|
| SVVCN 1010E 07 | 10 | 10 | 70  | 10 | 5    | VCMT 0702..     |
| SVVCN 1212F 11 | 12 | 12 | 80  | 12 | 6    | VCMT 1103..     |
| SVVCN 1616H 11 | 16 | 16 | 100 | 16 | 8    | VCMT 1103..     |
| SVVCN 2020K 11 | 20 | 20 | 125 | 20 | 10   | VCMT 1103..     |
| SVVCN 2020K 16 | 20 | 20 | 125 | 20 | 10   | VCMT 1604..     |
| SVVCN 2525M 16 | 25 | 25 | 150 | 25 | 12,5 | VCMT 1604..     |

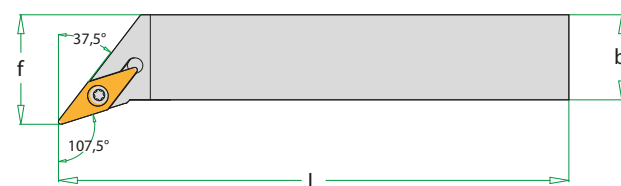
| Shim Unterlage | Shim Screw Unterlage Schraube | Screw Schraube |
|----------------|-------------------------------|----------------|
|                |                               |                |
| -              | -                             | CV.49          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| AL.23          | CV.19                         | CV.18          |
| AL.23          | CV.19                         | CV.18          |

## SVVCR



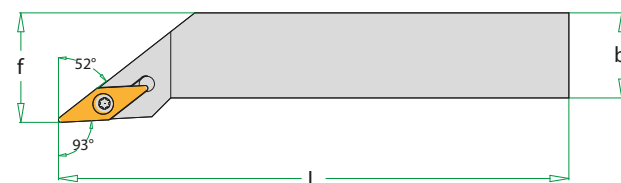
| Code No        | h  | b  | L   | h1 | f  | Inserts<br>Platten | Shim<br>Unterlage                                                                  | Shim Screw<br>Unterlage Schraube                                                    | Screw<br>Schraube                                                                   |
|----------------|----|----|-----|----|----|--------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SVVCR 2020K 16 | 20 | 20 | 125 | 20 | 20 | VCMT 1604..        |  |  |  |
| SVVCR 2525M 16 | 25 | 25 | 150 | 25 | 25 | VCMT 1604..        | AL.23                                                                              | CV.19                                                                               | CV.18                                                                               |

## SVHBR



| Code No          | h  | b  | L   | h1 | f  | Inserts<br>Platten | Shim<br>Unterlage                                                                    | Shim Screw<br>Unterlage Schraube                                                      | Screw<br>Schraube                                                                     |
|------------------|----|----|-----|----|----|--------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SVHBR-L 2020K 16 | 20 | 20 | 125 | 20 | 25 | VBMT 1604..        |  |  |  |
| SVHBR-L 2525M 16 | 25 | 25 | 150 | 25 | 32 | VBMT 1604..        | AL.23                                                                                | CV.19                                                                                 | CV.18                                                                                 |

## SVJBR



| Code No            | h  | b  | L   | h1 | f  | Inserts Platten |
|--------------------|----|----|-----|----|----|-----------------|
| SVJBR-L 1212F 1102 | 12 | 12 | 80  | 12 | 16 | VBMT 1102..     |
| SVJBR-L 1616H 1102 | 16 | 16 | 100 | 16 | 20 | VBMT 1102..     |
| SVJBR-L 2020K 1102 | 20 | 20 | 125 | 20 | 25 | VBMT 1102..     |
| SVJBR-L 1212F 11   | 12 | 12 | 80  | 12 | 16 | VBMT 1103..     |
| SVJBR-L 1616H 11   | 16 | 16 | 100 | 16 | 20 | VBMT 1103..     |
| SVJBR-L 2020K 11   | 20 | 20 | 125 | 20 | 25 | VBMT 1103..     |
| SVJBR-L 2020K 16   | 20 | 20 | 125 | 20 | 25 | VBMT 1604..     |
| SVJBR-L 2525M 16   | 25 | 25 | 150 | 25 | 32 | VBMT 1604..     |

| Shim Unterlage | Shim Screw Unterlage Schraube | Screw Schraube |
|----------------|-------------------------------|----------------|
|                |                               |                |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| AL.23          | CV.19                         | CV.18          |
| AL.23          | CV.19                         | CV.18          |

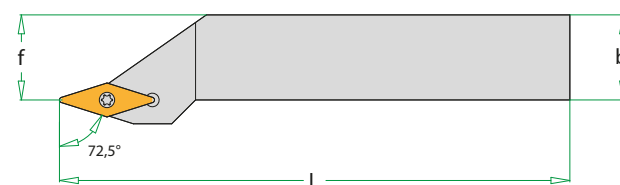
## SVVBN

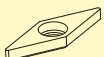


| Code No          | h  | b  | L   | h1 | f    | Inserts Platten |
|------------------|----|----|-----|----|------|-----------------|
| SVVBN 1212F 1102 | 12 | 12 | 80  | 12 | 6    | VBMT 1102..     |
| SVVBN 1616H 1102 | 16 | 16 | 100 | 16 | 8    | VBMT 1102..     |
| SVVBN 2020K 1102 | 20 | 20 | 125 | 20 | 10   | VBMT 1102..     |
| SVVBN 1212F 11   | 12 | 12 | 80  | 12 | 6    | VBMT 1103..     |
| SVVBN 1616H 11   | 16 | 16 | 100 | 16 | 8    | VBMT 1103..     |
| SVVBN 2020K 11   | 20 | 20 | 125 | 20 | 10   | VBMT 1103..     |
| SVVBN 2020K 16   | 20 | 20 | 125 | 20 | 10   | VBMT 1604..     |
| SVVBN 2525M 16   | 25 | 25 | 150 | 25 | 12,5 | VBMT 1604..     |

| Shim Unterlage | Shim Screw Unterlage Schraube | Screw Schraube |
|----------------|-------------------------------|----------------|
|                |                               |                |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| -              | -                             | CV.20          |
| AL.23          | CV.19                         | CV.18          |
| AL.23          | CV.19                         | CV.18          |

## SVVBR



| Code No        | h  | b  | L   | h1 | f  | Inserts<br>Platten | Shim<br>Unterlage                                                                  | Shim Screw<br>Unterlage Schraube                                                    | Screw<br>Schraube                                                                   |
|----------------|----|----|-----|----|----|--------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SVVBR 2020K 16 | 20 | 20 | 125 | 20 | 20 | VBMT 1604..        |  |  |  |
| SVVBR 2525M 16 | 25 | 25 | 150 | 25 | 25 | VBMT 1604..        | AL.23                                                                              | CV.19                                                                               | CV.18                                                                               |



# Swiss Type External Turning Toolholders



## SCACR



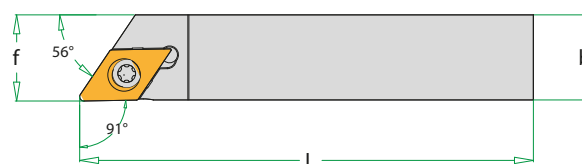
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim | Shim Screw | Screw |
|------------------|----|----|-----|----|----|-------------|------|------------|-------|
| SCACR-L 1010K 06 | 10 | 10 | 125 | 10 | 10 | CCMT 0602.. |      |            | CV.20 |
| SCACR-L 1212K 06 | 12 | 12 | 125 | 12 | 12 | CCMT 0602.. | -    | -          | CV.20 |
| SCACR-L 1212K 09 | 12 | 12 | 125 | 12 | 12 | CCMT 09T3.. | -    | -          | CV.18 |
| SCACR-L 1616K 09 | 16 | 16 | 125 | 16 | 16 | CCMT 09T3.. | -    | -          | CV.18 |

## SCLCR



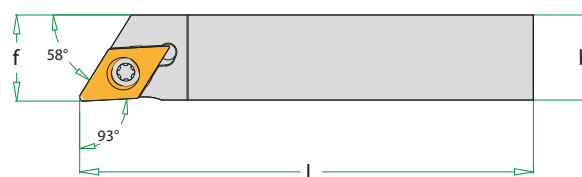
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim | Shim Screw | Screw |
|------------------|----|----|-----|----|----|-------------|------|------------|-------|
| SCLCR-L 1010K 06 | 10 | 10 | 125 | 10 | 10 | CCMT 0602.. |      |            | CV.20 |
| SCLCR-L 1212K 06 | 12 | 12 | 125 | 12 | 12 | CCMT 0602.. | -    | -          | CV.20 |
| SCLCR-L 1212K 09 | 12 | 12 | 125 | 12 | 12 | CCMT 09T3.. | -    | -          | CV.18 |
| SCLCR-L 1616K 09 | 16 | 16 | 125 | 16 | 16 | CCMT 09T3.. | -    | -          | CV.18 |

## SDACR



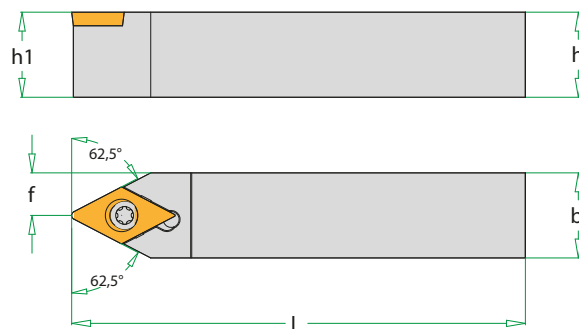
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim                                                                               | Shim Screw                                                                          | Screw                                                                               |
|------------------|----|----|-----|----|----|-------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SDACR-L 1010K 07 | 10 | 10 | 125 | 10 | 10 | DCMT 0702.. |  |  |  |
| SDACR-L 1212K 11 | 12 | 12 | 125 | 12 | 12 | DCMT 11T3.. | -                                                                                  | -                                                                                   | CV.20                                                                               |
| SDACR-L 1616K 11 | 16 | 16 | 125 | 16 | 16 | DCMT 11T3.. | -                                                                                  | -                                                                                   | CV.18                                                                               |

## SDJCR



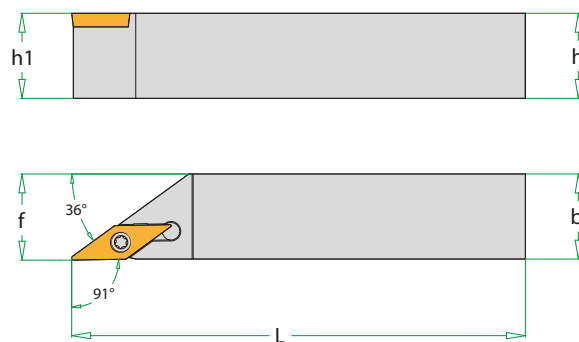
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim                                                                                 | Shim Screw                                                                            | Screw                                                                                 |
|------------------|----|----|-----|----|----|-------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SDJCR-L 1212K 11 | 12 | 12 | 125 | 12 | 12 | DCMT 11T3.. |  |  |  |
| SDJCR-L 1616K 11 | 16 | 16 | 125 | 16 | 16 | DCMT 11T3.. | -                                                                                    | -                                                                                     | CV.18                                                                                 |

## SDNCN



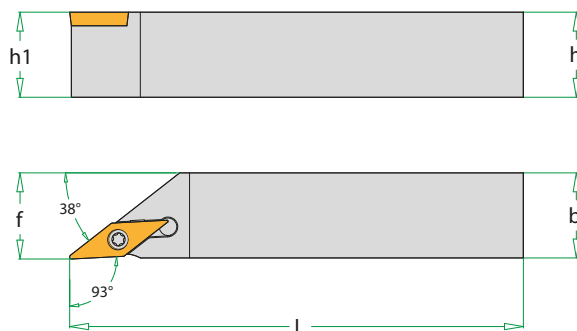
| Code No        | h  | b  | L   | h1 | f | Inserts     | Shim                                                                               | Shim Screw                                                                          | Screw                                                                               |
|----------------|----|----|-----|----|---|-------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SDNCN 1010K 07 | 10 | 10 | 125 | 10 | 5 | DCMT 0702.. |  |  |  |
| SDNCN 1212K 11 | 12 | 12 | 125 | 12 | 6 | DCMT 11T3.. | -                                                                                  | -                                                                                   | CV.20                                                                               |
| SDNCN 1616K 11 | 16 | 16 | 125 | 16 | 8 | DCMT 11T3.. | -                                                                                  | -                                                                                   | CV.18                                                                               |

## SVABR



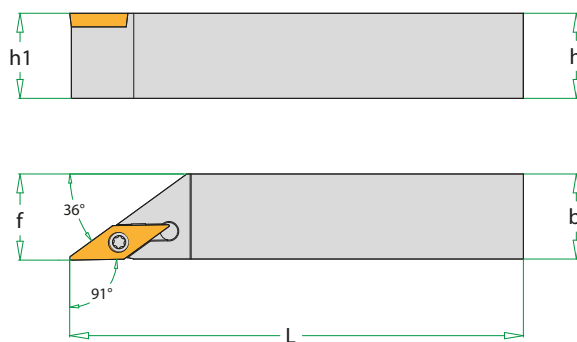
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim                                                                                 | Shim Screw                                                                            | Screw                                                                                 |
|------------------|----|----|-----|----|----|-------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SVABR-L 1010K 11 | 10 | 10 | 125 | 10 | 10 | VBMT 1103.. |  |  |  |
| SVABR-L 1212K 11 | 12 | 12 | 125 | 12 | 12 | VBMT 1103.. | -                                                                                    | -                                                                                     | CV.20                                                                                 |
| SVABR-L 1616K 11 | 16 | 16 | 125 | 16 | 16 | VBMT 1103.. | -                                                                                    | -                                                                                     | CV.20                                                                                 |

## SVJBR



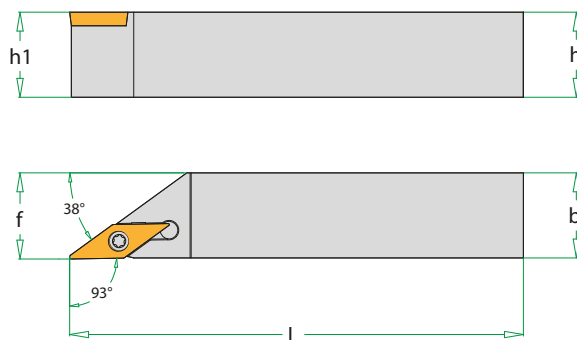
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim                                                                               | Shim Screw                                                                          | Screw                                                                               |
|------------------|----|----|-----|----|----|-------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SVJBR-L 1010K 11 | 10 | 10 | 125 | 10 | 10 | VBMT 1103.. |  |  |  |
| SVJBR-L 1212K 11 | 12 | 12 | 125 | 12 | 12 | VBMT 1103.. | -                                                                                  | -                                                                                   | CV.20                                                                               |
| SVJBR-L 1616K 11 | 16 | 16 | 125 | 16 | 16 | VBMT 1103.. | -                                                                                  | -                                                                                   | CV.20                                                                               |

## SVACR



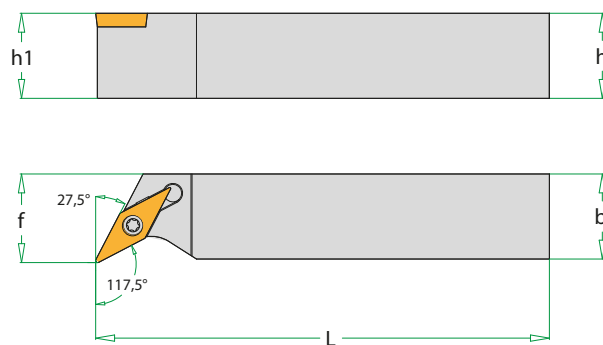
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim                                                                                 | Shim Screw                                                                            | Screw                                                                                 |
|------------------|----|----|-----|----|----|-------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SVACR-L 1010K 11 | 10 | 10 | 125 | 10 | 10 | VCMT 1103.. |  |  |  |
| SVACR-L 1212K 11 | 12 | 12 | 125 | 12 | 12 | VCMT 1103.. | -                                                                                    | -                                                                                     | CV.20                                                                                 |
| SVACR-L 1616K 11 | 16 | 16 | 125 | 16 | 16 | VCMT 1103.. | -                                                                                    | -                                                                                     | CV.20                                                                                 |

## SVJCR



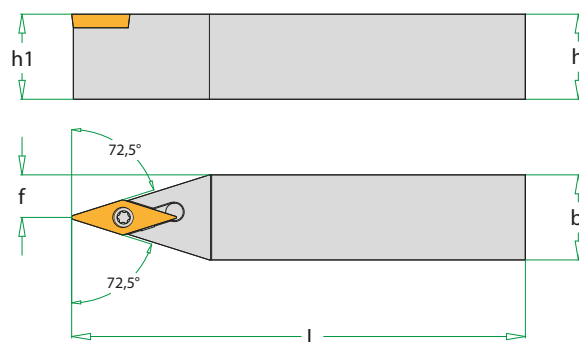
| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim                                                                               | Shim Screw                                                                          | Screw                                                                               |
|------------------|----|----|-----|----|----|-------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SVJCR-L 1010K 11 | 10 | 10 | 125 | 10 | 10 | VCMT 1103.. |  |  |  |
| SVJCR-L 1212K 11 | 12 | 12 | 125 | 12 | 12 | VCMT 1103.. | -                                                                                  | -                                                                                   | CV.20                                                                               |
| SVJCR-L 1616K 11 | 16 | 16 | 125 | 16 | 16 | VCMT 1103.. | -                                                                                  | -                                                                                   | CV.20                                                                               |

## SVPCR



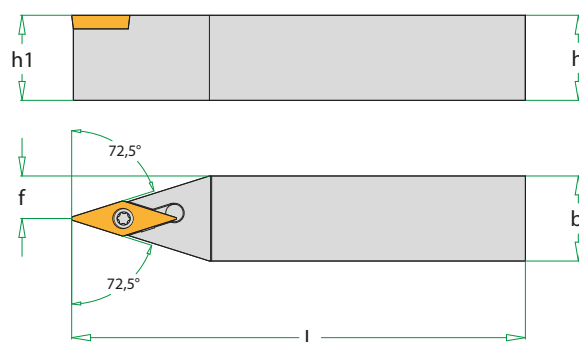
| Code No          | h  | b  | L   | h1 | f    | Inserts     | Shim                                                                                 | Shim Screw                                                                            | Screw                                                                                 |
|------------------|----|----|-----|----|------|-------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SVPCR-L 1010K 11 | 10 | 10 | 125 | 10 | 10,6 | VCMT 1103.. |  |  |  |
| SVPCR-L 1212K 11 | 12 | 12 | 125 | 12 | 12,6 | VCMT 1103.. | -                                                                                    | -                                                                                     | CV.20                                                                                 |
| SVPCR-L 1616K 11 | 16 | 16 | 125 | 16 | 16,6 | VCMT 1103.. | -                                                                                    | -                                                                                     | CV.20                                                                                 |

## SVVBN



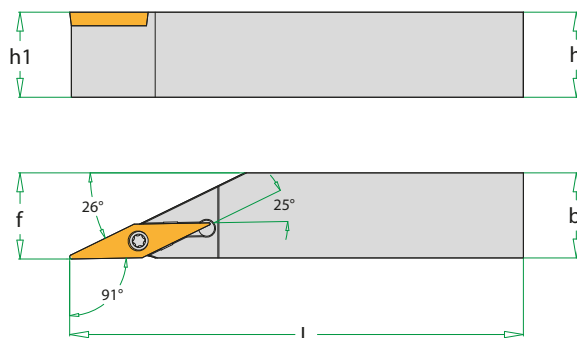
| Code No        | h  | b  | L   | h1 | f | Inserts     | Shim                                                                               | Shim Screw                                                                          | Screw |
|----------------|----|----|-----|----|---|-------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| SVVBN 1010K 11 | 10 | 10 | 125 | 10 | 5 | VBMT 1103.. |  |  | CV.20 |
| SVVBN 1212K 11 | 12 | 12 | 125 | 12 | 6 | VBMT 1103.. | -                                                                                  | -                                                                                   | CV.20 |
| SVVBN 1616K 11 | 16 | 16 | 125 | 16 | 8 | VBMT 1103.. | -                                                                                  | -                                                                                   | CV.20 |

## SVVCN



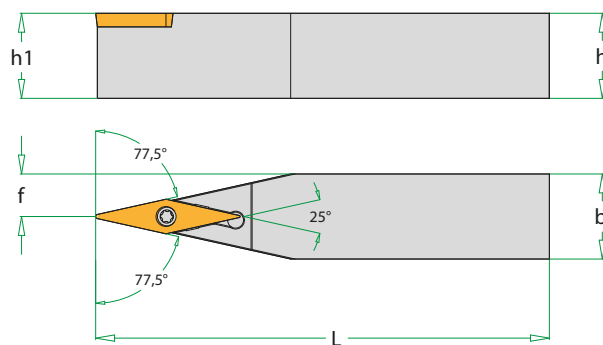
| Code No        | h  | b  | L   | h1 | f | Inserts     | Shim                                                                                 | Shim Screw                                                                            | Screw |
|----------------|----|----|-----|----|---|-------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|
| SVVCN 1010K 11 | 10 | 10 | 125 | 10 | 5 | VCMT 1103.. |  |  | CV.20 |
| SVVCN 1212K 11 | 12 | 12 | 125 | 12 | 6 | VCMT 1103.. | -                                                                                    | -                                                                                     | CV.20 |
| SVVCN 1616K 11 | 16 | 16 | 125 | 16 | 8 | VCMT 1103.. | -                                                                                    | -                                                                                     | CV.20 |

# SXACR



| Code No          | h  | b  | L   | h1 | f  | Inserts     | Shim                                                                               | Shim Screw                                                                          | Screw                                                                               |
|------------------|----|----|-----|----|----|-------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SXACR-L 1010K 15 | 10 | 10 | 125 | 10 | 10 | XCMT 1503.. |  |  |  |
| SXACR-L 1212K 15 | 12 | 12 | 125 | 12 | 12 | XCMT 1503.. | -                                                                                  | -                                                                                   | CV.20                                                                               |
| SXACR-L 1616K 15 | 16 | 16 | 125 | 16 | 16 | XCMT 1503.. | -                                                                                  | -                                                                                   | CV.20                                                                               |

# SXVCN



| Code No        | h  | b  | L   | h1 | f | Inserts     | Shim                                                                                 | Shim Screw                                                                            | Screw                                                                                 |
|----------------|----|----|-----|----|---|-------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SXVCN 1010K 15 | 10 | 10 | 125 | 10 | 5 | XCMT 1503.. |  |  |  |
| SXVCN 1212K 15 | 12 | 12 | 125 | 12 | 6 | XCMT 1503.. | -                                                                                    | -                                                                                     | CV.20                                                                                 |
| SXVCN 1616K 15 | 16 | 16 | 125 | 16 | 8 | XCMT 1503.. | -                                                                                    | -                                                                                     | CV.20                                                                                 |

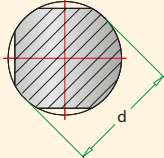
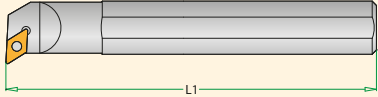
# Internal Turning Toolholders

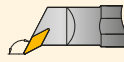
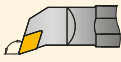
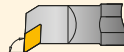
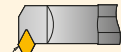


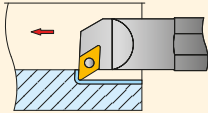
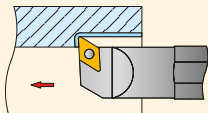
## Internal Turning Code Key

Extract from ISO

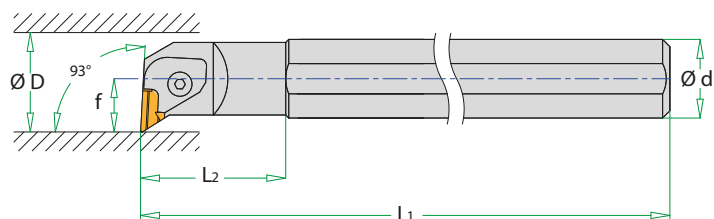
|   |    |   |   |   |   |   |   |    |
|---|----|---|---|---|---|---|---|----|
| S | 25 | T | D | W | L | N | R | 08 |
| 1 | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9  |

| 1 Clamping System                                                                                                                              | 2 Shank Diameter mm                                                                                                                                                                                    | 3 Tool Length L mm                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>A : Steel bar with internal coolant supply</p> <p>C : Carbide Shank Bar</p> <p>E : Coolant Through Carbide Shank</p> <p>S : Steel Shank</p> |  <p>8 = 08    25 = 25<br/>10 = 10    32 = 32<br/>12 = 12    40 = 40<br/>16 = 16    50 = 50<br/>20 = 20    60 = 60</p> |  <p>F = 80    M = 150    R = 200    V = 400<br/>H = 100    N = 160    S = 250    W = 450<br/>K = 125    P = 170    T = 300    Y = 500<br/>L = 140    Q = 180    U = 350    X = Special</p> |

| 4 Clamping System                                                                                                                                                                                                                                                                                                                                             | 5 Insert Shape                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6 Approach Angle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Top clamping</p>  <p>C</p> <p>Top and hole clamping</p>  <p>D</p> <p>Wedge clamping</p>  <p>M</p> | <p>80°</p>  <p>C</p> <p>55°</p>  <p>D</p> <p>55°</p>  <p>K</p>  <p>R</p>  <p>S</p>  <p>T</p> <p>35°</p>  <p>V</p> <p>80°</p>  <p>W</p> | <p>90°</p>  <p>F</p> <p>95°</p>  <p>L</p> <p>117,5°</p>  <p>P</p> <p>107,5°</p>  <p>Q</p> <p>93°</p>  <p>U</p> <p>62,5°</p>  <p>W</p> |

| 7 Insert Clearance Angle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8 Hand of Tool                                                                                                                                                                            | 9 Cutting Edge Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>A</p>  <p>3°</p> <p>B</p>  <p>5°</p> <p>C</p>  <p>7°</p> <p>D</p>  <p>15°</p> <p>E</p>  <p>20°</p> <p>F</p>  <p>25°</p> <p>G</p>  <p>30°</p> <p>N</p>  <p>0°</p> <p>P</p>  <p>11°</p> | <p>R</p>  <p>L</p>  | <p>C</p>  <p>E</p>  <p>D</p>  <p>K</p>  <p>R</p>  <p>S</p>  <p>T</p>  <p>V</p>  <p>W</p>  |

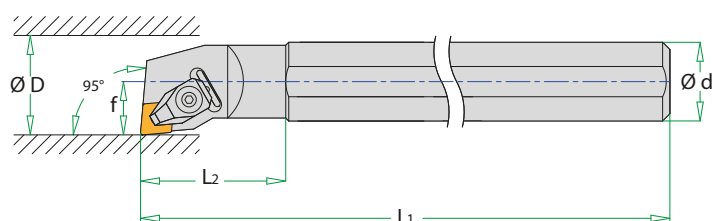
## CKUNR



| Code No       | d  | L1  | L2 | f  | D  | Inserts     |
|---------------|----|-----|----|----|----|-------------|
| S32S CKUNR 16 | 32 | 250 | 60 | 22 | 44 | KNUX 1604.. |
| S40T CKUNR 16 | 40 | 300 | 70 | 27 | 48 | KNUX 1604.. |

| Shim   | Clamp  | Screw | Spring | Shim Pin | Spring-Pin |
|--------|--------|-------|--------|----------|------------|
|        |        |       |        |          |            |
| AL.10L | PB.10L | CV.10 | YY.10  | AP.10    | YP.10A     |
| AL.10L | PB.10L | CV.10 | YY.10  | AP.10    | YP.10A     |

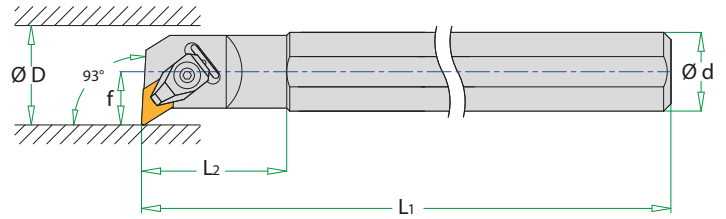
## DCLNR



| Code No         | d  | L1  | L2 | f  | D  | Inserts     |
|-----------------|----|-----|----|----|----|-------------|
| S25R DCLNR-L 12 | 25 | 200 | 55 | 17 | 32 | CNMG 1204.. |
| S32S DCLNR-L 12 | 32 | 250 | 60 | 22 | 40 | CNMG 1204.. |
| S40T DCLNR-L 12 | 40 | 300 | 65 | 27 | 50 | CNMG 1204.. |
| S40T DCLNR-L 16 | 40 | 300 | 65 | 27 | 50 | CNMG 1606.. |

| Shim  | Clamp | Screw | Spring | Shim Screw |
|-------|-------|-------|--------|------------|
|       |       |       |        |            |
| AL.34 | PB.20 | CV.15 | YY.13  | AP.18      |
| AL.34 | PB.20 | CV.15 | YY.13  | AP.18      |
| AL.34 | PB.20 | CV.15 | YY.13  | AP.18      |
| AL.35 | PB.21 | CV.15 | YY.13  | AP.20      |

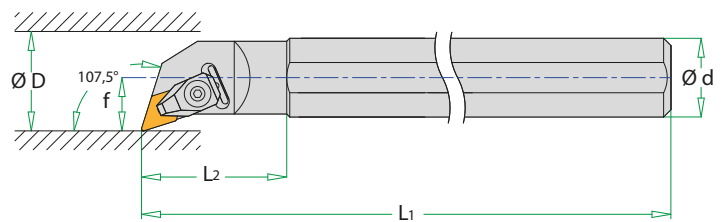
## DDUNR



| Code No           | d  | L1  | L2 | f  | D  | Inserts     | Shim  | Clamp  | Screw  | Spring | Shim Screw |
|-------------------|----|-----|----|----|----|-------------|-------|--------|--------|--------|------------|
| S20Q DDUNR-L 11   | 20 | 180 | 45 | 14 | 27 | DNMG 1104.. | -     | PB.19A | CV.27A | YY.12  | -          |
| S25R DDUNR-L 11   | 25 | 200 | 55 | 17 | 32 | DNMG 1104.. | AL.42 | PB.19A | CV.27A | YY.12  | AP.17      |
| S32S DDUNR-L 11   | 32 | 250 | 55 | 22 | 40 | DNMG 1104.. | AL.42 | PB.19A | CV.27A | YY.12  | AP.17      |
| * S32S DDUNR-L 15 | 32 | 250 | 55 | 22 | 40 | DNMG 1506.. | AL.40 | PB.20  | CV.15  | YY.13  | AP.17      |
| * S40T DDUNR-L 15 | 40 | 300 | 65 | 27 | 50 | DNMG 1506.. | AL.40 | PB.20  | CV.15  | YY.13  | AP.17      |

\* If you change the shim AL-45 on the marked toolholders you can mount also DNMG 1504.. coded insert

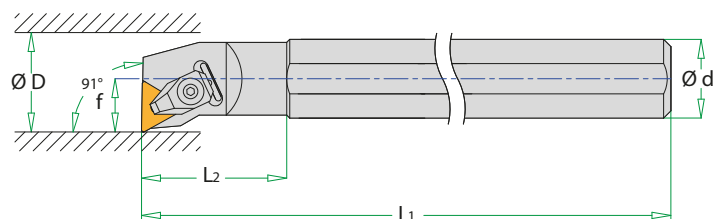
## DDQNR



| Code No           | d  | L1  | L2 | f  | D  | Inserts     | Shim  | Clamp  | Screw  | Spring | Shim Screw |
|-------------------|----|-----|----|----|----|-------------|-------|--------|--------|--------|------------|
| S20Q DDQNR-L 11   | 20 | 180 | 45 | 13 | 25 | DNMG 1104.. | -     | PB.19A | CV.27A | YY.12  | -          |
| S25R DDQNR-L 11   | 25 | 200 | 55 | 17 | 32 | DNMG 1104.. | AL.42 | PB.19A | CV.27A | YY.12  | AP.17      |
| S32S DDQNR-L 11   | 32 | 250 | 55 | 22 | 40 | DNMG 1104.. | AL.42 | PB.19A | CV.27A | YY.12  | AP.17      |
| * S32S DDQNR-L 15 | 32 | 250 | 55 | 22 | 40 | DNMG 1506.. | AL.40 | PB.20  | CV.15  | YY.13  | AP.17      |
| * S40T DDQNR-L 15 | 40 | 300 | 65 | 27 | 50 | DNMG 1506.. | AL.40 | PB.20  | CV.15  | YY.13  | AP.17      |

\* If you change the shim AL-45 on the marked toolholders you can mount also DNMG 1504.. coded insert

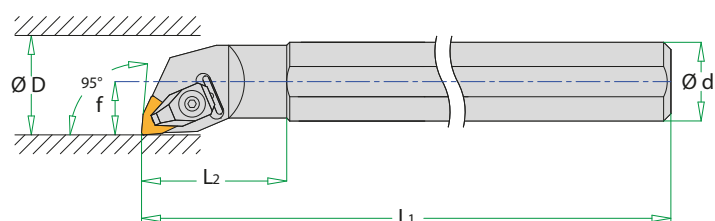
## DTFNR



| Code No         | d  | L1  | L2 | f  | D  | Inserts     |
|-----------------|----|-----|----|----|----|-------------|
| S25R DTFNR-L 16 | 25 | 200 | 55 | 17 | 32 | TNMG 1604.. |
| S32S DTFNR-L 16 | 32 | 250 | 60 | 22 | 40 | TNMG 1604.. |
| S40T DTFNR-L 16 | 40 | 300 | 65 | 27 | 50 | TNMG 1604.. |
| S32S DTFNR-L 22 | 32 | 250 | 60 | 22 | 40 | TNMG 2204.. |
| S40T DTFNR-L 22 | 40 | 300 | 65 | 27 | 50 | TNMG 2204.. |

| Shim  | Clamp  | Screw  | Spring | Shim Screw |
|-------|--------|--------|--------|------------|
|       |        |        |        |            |
| AL.22 | PB.19A | CV.27A | YY.12  | AP.17      |
| AL.22 | PB.19  | CV.27  | YY.12  | AP.17      |
| AL.22 | PB.19  | CV.27  | YY.12  | AP.17      |
| AL.38 | PB.20  | CV.15  | YY.13  | AP.19      |
| AL.38 | PB.20  | CV.15  | YY.13  | AP.19      |

## DWLNR

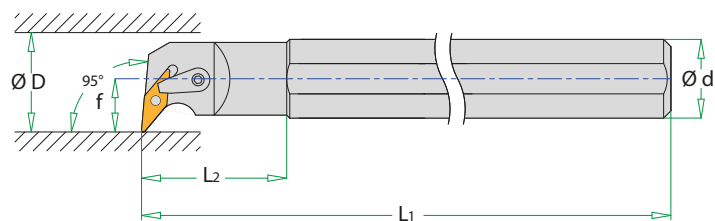


| Code No            | d  | L1  | L2 | f  | D  | Inserts     |
|--------------------|----|-----|----|----|----|-------------|
| S20Q DWLNR-L 06-T3 | 20 | 180 | 45 | 13 | 26 | WNMG 06T3.. |
| S20Q DWLNR-L 06    | 20 | 180 | 45 | 13 | 26 | WNMG 0604.. |
| * S25R DWLNR-L 06  | 25 | 200 | 50 | 17 | 32 | WNMG 0604.. |
| * S32S DWLNR-L 06  | 32 | 250 | 55 | 22 | 40 | WNMG 0604.. |
| S25R DWLNR-L 08    | 25 | 200 | 55 | 17 | 32 | WNMG 0804.. |
| S32S DWLNR-L 08    | 32 | 250 | 60 | 22 | 40 | WNMG 0804.. |
| S40T DWLNR-L 08    | 40 | 300 | 65 | 27 | 50 | WNMG 0804.. |

| Shim  | Clamp  | Screw  | Spring | Shim Screw |
|-------|--------|--------|--------|------------|
|       |        |        |        |            |
| AL.43 | PB.19A | CV.27A | YY.12  | AP.17      |
| -     | PB.19A | CV.27A | YY.12  | -          |
| AL.43 | PB.19A | CV.27A | YY.12  | AP.17      |
| AL.43 | PB.19  | CV.27  | YY.12  | AP.17      |
| AL.33 | PB.20  | CV.15  | YY.13  | AP.18      |
| AL.33 | PB.20  | CV.15  | YY.13  | AP.18      |
| AL.33 | PB.20  | CV.15  | YY.13  | AP.18      |

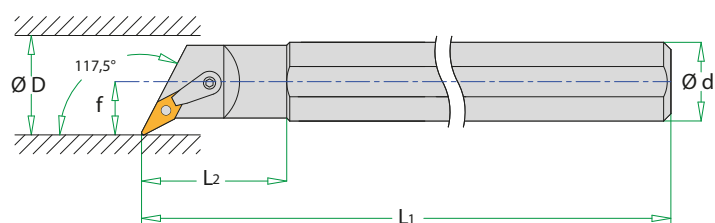
\* If you change the shim AL-44 on the marked toolholders you can mount also WNMG 06T3.. coded insert

## MVLNR



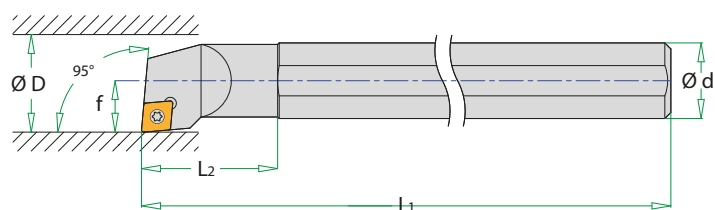
| Code No         | d  | L1  | L2 | f  | D  | Inserts     | Shim  | Clamp | Clamp screw | Shim Screw |
|-----------------|----|-----|----|----|----|-------------|-------|-------|-------------|------------|
| S25R MVLNR-L 16 | 25 | 200 | 50 | 17 | 32 | VNMG 1604.. |       |       |             |            |
| S32S MVLNR-L 16 | 32 | 250 | 55 | 22 | 40 | VNMG 1604.. | AL.41 | PB.23 | CV.25       | AP.15      |
| S40T MVLNR-L 16 | 40 | 300 | 60 | 27 | 50 | VNMG 1604.. | AL.41 | PB.23 | CV.25       | AP.15      |

## MVPNR



| Code No         | d  | L1  | L2 | f  | D  | Inserts     | Shim  | Clamp | Clamp screw | Shim Screw |
|-----------------|----|-----|----|----|----|-------------|-------|-------|-------------|------------|
| S25R MVPNR-L 16 | 25 | 200 | 50 | 17 | 32 | VNMG 1604.. |       |       |             |            |
| S32S MVPNR-L 16 | 32 | 250 | 55 | 22 | 40 | VNMG 1604.. | AL.41 | PB.23 | CV.25       | AP.15      |
| S40T MVPNR-L 16 | 40 | 300 | 60 | 27 | 50 | VNMG 1604.. | AL.41 | PB.23 | CV.25       | AP.15      |

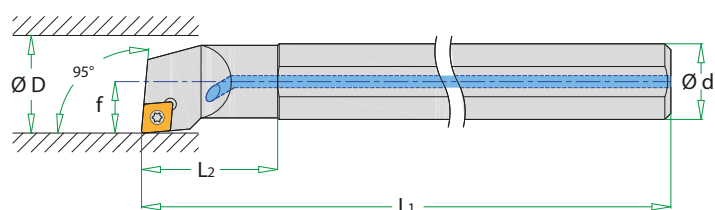
## SCLCR



| Code No         | d  | L1  | L2 | f  | D  | Inserts     |
|-----------------|----|-----|----|----|----|-------------|
| S08F SCLCR-L 06 | 8  | 80  | 22 | 6  | 11 | CCMT 0602.. |
| S10H SCLCR-L 06 | 10 | 100 | 24 | 7  | 13 | CCMT 0602.. |
| S12K SCLCR-L 06 | 12 | 125 | 27 | 9  | 16 | CCMT 0602.. |
| S16M SCLCR-L 06 | 16 | 150 | 32 | 11 | 20 | CCMT 0602.. |
| S16M SCLCR-L 09 | 16 | 150 | 32 | 11 | 20 | CCMT 09T3.. |
| S20Q SCLCR-L 09 | 20 | 180 | 40 | 13 | 25 | CCMT 09T3.. |
| S25R SCLCR-L 09 | 25 | 200 | 45 | 17 | 32 | CCMT 09T3.. |
| S25R SCLCR-L 12 | 25 | 200 | 45 | 17 | 32 | CCMT 1204.. |

| Shim | Shim Screw | Screw  |
|------|------------|--------|
|      |            |        |
| -    | -          | CV.20A |
| -    | -          | CV.20  |
| -    | -          | CV.20  |
| -    | -          | CV.20  |
| -    | -          | CV.23  |
| -    | -          | CV.18  |
| -    | -          | CV.18  |
| -    | -          | CV.17  |

## SCLCR



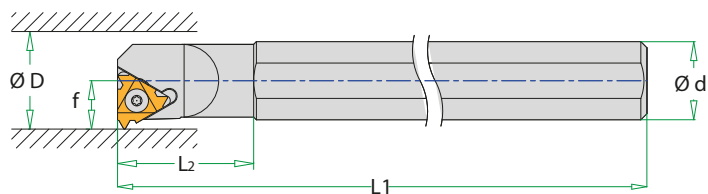
| Code No         | d  | L1  | L2 | f  | D  | Inserts     |
|-----------------|----|-----|----|----|----|-------------|
| A08F SCLCR-L 06 | 8  | 80  | 22 | 6  | 11 | CCMT 0602.. |
| A10H SCLCR-L 06 | 10 | 100 | 24 | 7  | 13 | CCMT 0602.. |
| A12K SCLCR-L 06 | 12 | 125 | 27 | 9  | 16 | CCMT 0602.. |
| A16M SCLCR-L 06 | 16 | 150 | 32 | 11 | 20 | CCMT 0602.. |
| A16M SCLCR-L 09 | 16 | 150 | 32 | 11 | 20 | CCMT 09T3.. |
| A20Q SCLCR-L 09 | 20 | 180 | 40 | 13 | 25 | CCMT 09T3.. |
| A25R SCLCR-L 09 | 25 | 200 | 45 | 17 | 32 | CCMT 09T3.. |
| A25R SCLCR-L 12 | 25 | 200 | 45 | 17 | 32 | CCMT 1204.. |

NEW  
NEW  
NEW  
NEW  
NEW  
NEW  
NEW  
NEW

| Shim | Shim Screw | Screw  |
|------|------------|--------|
|      |            |        |
| -    | -          | CV.20A |
| -    | -          | CV.20  |
| -    | -          | CV.20  |
| -    | -          | CV.20  |
| -    | -          | CV.23  |
| -    | -          | CV.18  |
| -    | -          | CV.18  |
| -    | -          | CV.17  |

## SIR

The toolholders are made with 1,5° helix angle

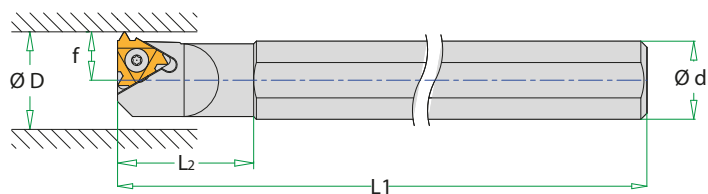


| Code No     | d  | L1  | L2 | f    | D  | Inserts |
|-------------|----|-----|----|------|----|---------|
| S10H SIR 11 | 10 | 100 | 25 | 7,4  | 13 | 11 IR.. |
| S12K SIR 11 | 12 | 125 | 28 | 8,2  | 14 | 11 IR.. |
| S16M SIR 11 | 16 | 150 | 32 | 10   | 18 | 11 IR.. |
| S16M SIR 16 | 16 | 150 | 35 | 11,5 | 19 | 16 IR.. |
| S20Q SIR 16 | 20 | 180 | 42 | 15   | 25 | 16 IR.. |
| S25R SIR 16 | 25 | 200 | 50 | 18   | 30 | 16 IR.. |
| S32S SIR 16 | 32 | 250 | 52 | 21,5 | 38 | 16 IR.. |
| S20Q SIR 22 | 20 | 180 | 42 | 15,6 | 25 | 22 IR.. |
| S25R SIR 22 | 25 | 200 | 45 | 18,1 | 30 | 22 IR.. |
| S32S SIR 22 | 32 | 250 | 52 | 21,6 | 38 | 22 IR.. |
| S40T SIR 22 | 40 | 300 | 60 | 25,8 | 46 | 22 IR.. |

| Shim  | Shim Screw | Screw |
|-------|------------|-------|
|       |            |       |
| -     | -          | CV.20 |
| -     | -          | CV.20 |
| -     | -          | CV.20 |
| -     | -          | CV.18 |
| AL.54 | CV.32      | CV.34 |
| AL.54 | CV.32      | CV.34 |
| AL.54 | CV.32      | CV.34 |
| -     | -          | CV.35 |
| AL.56 | CV.33      | CV.35 |
| AL.56 | CV.33      | CV.35 |
| AL.56 | CV.33      | CV.35 |

## SIL

The toolholders are made with 1,5° helix angle



| Code No     | d  | L1  | L2 | f    | D  | Inserts |
|-------------|----|-----|----|------|----|---------|
| S10H SIL 11 | 10 | 100 | 25 | 7,4  | 13 | 11 IL.. |
| S12K SIL 11 | 12 | 125 | 28 | 8,2  | 14 | 11 IL.. |
| S16M SIL 11 | 16 | 150 | 32 | 10   | 18 | 11 IL.. |
| S16M SIL 16 | 16 | 150 | 35 | 11,5 | 19 | 16 IL.. |
| S20Q SIL 16 | 20 | 180 | 42 | 15   | 25 | 16 IL.. |
| S25R SIL 16 | 25 | 200 | 50 | 18   | 30 | 16 IL.. |
| S32S SIL 16 | 32 | 250 | 52 | 21,5 | 38 | 16 IL.. |
| S20Q SIL 22 | 20 | 180 | 42 | 15,6 | 25 | 22 IL.. |
| S25R SIL 22 | 25 | 200 | 45 | 18,1 | 30 | 22 IL.. |
| S32S SIL 22 | 32 | 250 | 52 | 21,6 | 38 | 22 IL.. |
| S40T SIL 22 | 40 | 300 | 60 | 25,8 | 46 | 22 IL.. |

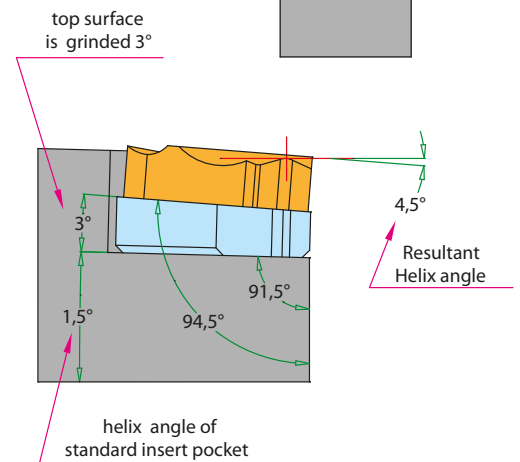
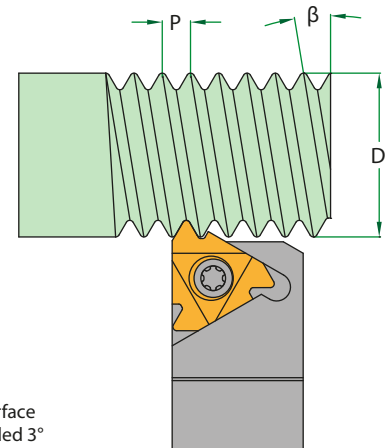
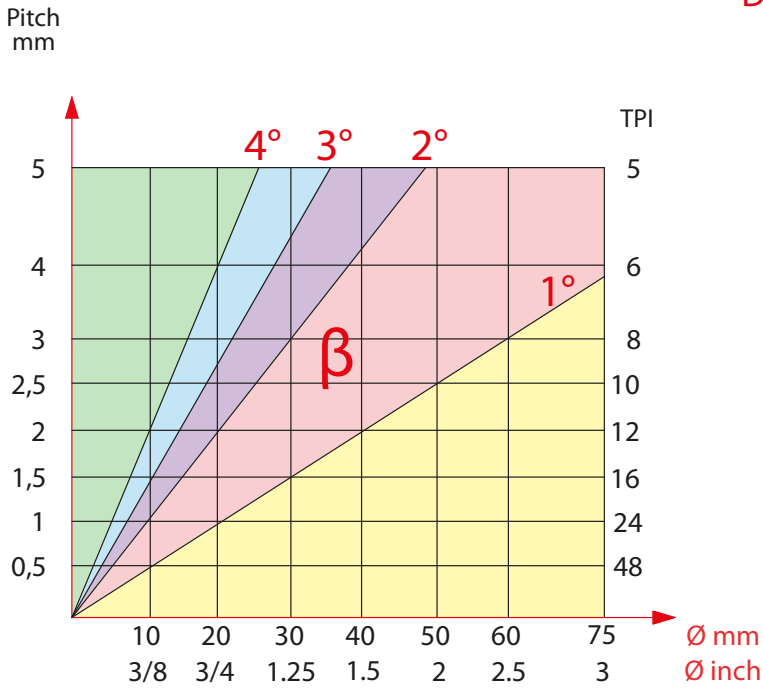
| Shim  | Shim Screw | Screw |
|-------|------------|-------|
|       |            |       |
| -     | -          | CV.20 |
| -     | -          | CV.20 |
| -     | -          | CV.20 |
| -     | -          | CV.18 |
| AL.53 | CV.32      | CV.34 |
| AL.53 | CV.32      | CV.34 |
| AL.53 | CV.32      | CV.34 |
| -     | -          | CV.35 |
| AL.55 | CV.33      | CV.35 |
| AL.55 | CV.33      | CV.35 |
| AL.55 | CV.33      | CV.35 |

## Thread helix angle and anvil selection

$\beta$  : Helix angle (°)  
P : Pitch (mm)  
D : Diameter of thread (mm)

$$\tan \beta = \frac{1 \times P}{3,14 \times D}$$

$$\beta^\circ = \frac{20 \times P}{D}$$



Galtona toolholders are manufactured with 1,5° helix angle

Standart shim

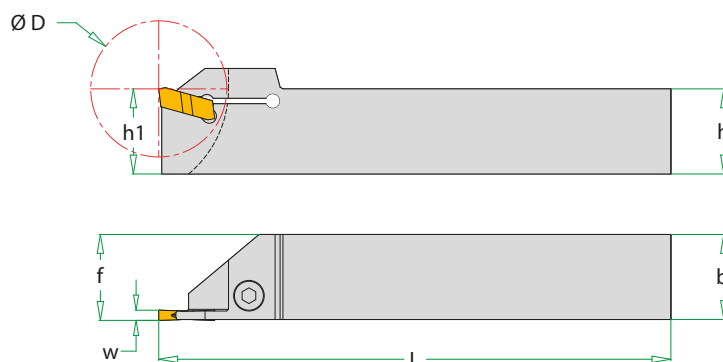
| Resultant Helix angle |             | 4,5°             | 4°                 | 3,5°             | 3°                 | 2,5°             | 2°                 | 1,5°             |
|-----------------------|-------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|
| Insert Size           | Holder Type | 3°<br>Angle shim | 2,5°<br>Angle shim | 2°<br>Angle shim | 1,5°<br>Angle shim | 1°<br>Angle shim | 0,5°<br>Angle shim | 0°<br>Angle shim |
| IC L                  |             |                  |                    |                  |                    |                  |                    |                  |
| 3/8" 16               | ER-IL       | AL53A+3°         | AL53A+2,5°         | AL53A+2°         | AL53A+1,5°         | AL53A+1°         | AL53A+0,5°         | AL53             |
| 3/8" 16               | EL-IR       | AL54A+3°         | AL54A+2,5°         | AL54A+2°         | AL54A+1,5°         | AL54A+1°         | AL54A+0,5°         | AL54             |

| Resultant Helix angle |             | -                | -                  | 3,5°             | 3°                 | 2,5°             | 2°                 | 1,5°                |
|-----------------------|-------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|---------------------|
| Insert Size           | Holder Type | 3°<br>Angle shim | 2,5°<br>Angle shim | 2°<br>Angle shim | 1,5°<br>Angle shim | 1°<br>Angle shim | 0,5°<br>Angle shim | 0°<br>Standart shim |
| IC L                  |             |                  |                    |                  |                    |                  |                    |                     |
| 1/2" 22               | ER-IL       | -                | -                  | AL55A+2°         | AL55A+1,5°         | AL55A+1°         | AL55A+0,5°         | AL55                |
| 1/2" 22               | EL-IR       | -                | -                  | AL56A+2°         | AL56A+1,5°         | AL56A+1°         | AL56A+0,5°         | AL56                |

# External Grooving and Parting

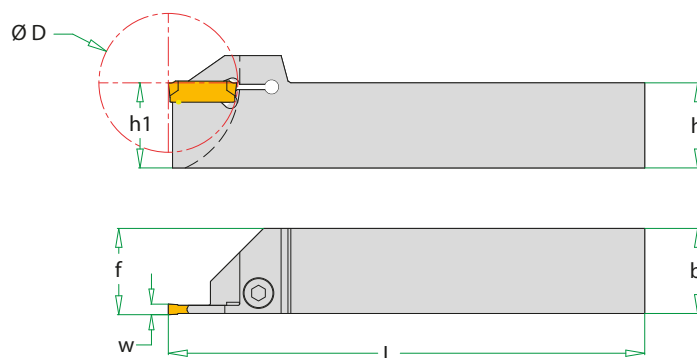


## AGHGR



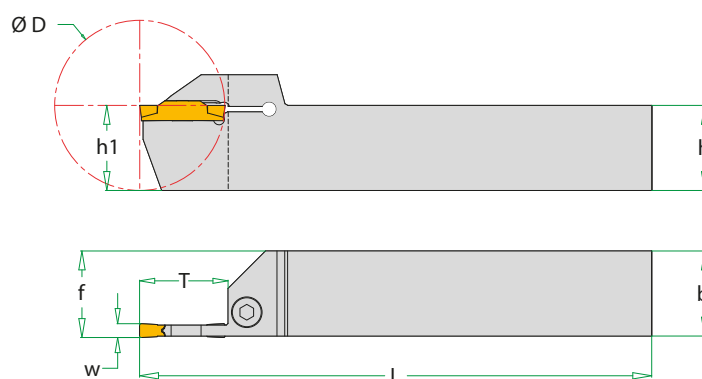
| Code No          | h  | b  | L   | h1 | f     | w | Ø D | T | Inserts | Screw        | Tightening Torque |
|------------------|----|----|-----|----|-------|---|-----|---|---------|--------------|-------------------|
| AGHGR 2020K 2D35 | 20 | 20 | 125 | 20 | 20.4  | 2 | 35  | - | GIP - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| AGHGR 2525M 2D35 | 25 | 25 | 150 | 25 | 25.4  | 2 | 35  | - | GIP - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| AGHGR 2020K 3D40 | 20 | 20 | 125 | 20 | 20.25 | 3 | 40  | - | GIP - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| AGHGR 2525M 3D40 | 25 | 25 | 150 | 25 | 25.25 | 3 | 40  | - | GIP - 3 | M5x0.8-25 mm | max. 5,5 Nm       |

## ADGR



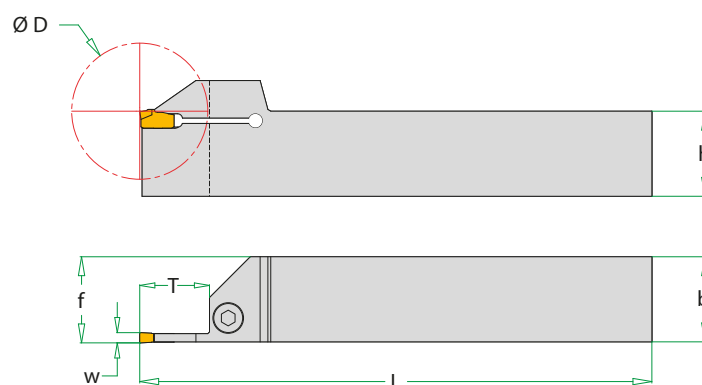
| Code No          | h  | b  | L   | h1 | f     | w | Ø D | T | Inserts | Screw        | Tightening Torque |
|------------------|----|----|-----|----|-------|---|-----|---|---------|--------------|-------------------|
| ADGR-L 1212 2D32 | 12 | 12 | 140 | 12 | 12.2  | 2 | 32  | - | DGN - 2 | M5x0.8-16 mm | max. 3,5 Nm       |
| ADGR-L 1616 2D32 | 16 | 16 | 140 | 16 | 16.2  | 2 | 32  | - | DGN - 2 | M5x0.8-16 mm | max. 3,5 Nm       |
| ADGR-L 2020 2D35 | 20 | 20 | 140 | 20 | 20.2  | 2 | 35  | - | DGN - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| ADGR-L 2525 2D35 | 25 | 25 | 140 | 25 | 25.2  | 2 | 35  | - | DGN - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| ADGR-L 1212 3D35 | 12 | 12 | 140 | 12 | 12.35 | 3 | 35  | - | DGN - 3 | M5x0.8-16 mm | max. 5,5 Nm       |
| ADGR-L 1616 3D35 | 16 | 16 | 140 | 16 | 16.35 | 3 | 35  | - | DGN - 3 | M5x0.8-16 mm | max. 5,5 Nm       |
| ADGR-L 2020 3D40 | 20 | 20 | 140 | 20 | 20.35 | 3 | 40  | - | DGN - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| ADGR-L 2525 3D40 | 25 | 25 | 140 | 25 | 25.35 | 3 | 40  | - | DGN - 3 | M5x0.8-25 mm | max. 5,5 Nm       |

## EGPR-S123



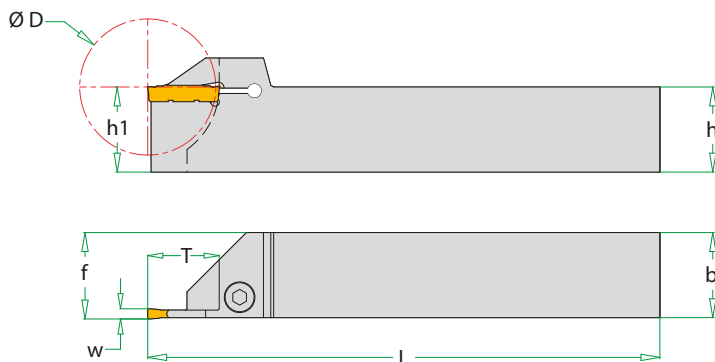
| Code No                 | h  | b  | L   | h1 | f     | w | Ø D | T    | Inserts  | Screw        | Tightening Torque |
|-------------------------|----|----|-----|----|-------|---|-----|------|----------|--------------|-------------------|
| EGPR-L 2020K 2D40- S123 | 20 | 20 | 125 | 20 | 20.25 | 2 | 40  | 20.5 | S123 - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2D40- S123 | 25 | 25 | 150 | 25 | 25.25 | 2 | 40  | 20.5 | S123 - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2020K 3D40- S123 | 20 | 20 | 125 | 20 | 20.4  | 3 | 40  | 20.5 | S123 - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 3D40- S123 | 25 | 25 | 150 | 25 | 25.4  | 3 | 40  | 20.5 | S123 - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 4D50- S123 | 20 | 20 | 125 | 20 | 20.45 | 4 | 50  | 26   | S123 - 4 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 4D50- S123 | 25 | 25 | 150 | 25 | 25.45 | 4 | 50  | 26   | S123 - 4 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 5D64- S123 | 20 | 20 | 125 | 20 | 20.45 | 5 | 64  | 32.5 | S123 - 5 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 5D64- S123 | 25 | 25 | 150 | 25 | 25.45 | 5 | 64  | 32.5 | S123 - 5 | M5x0.8-25 mm | max. 5,5 Nm       |

## EGPR-S151



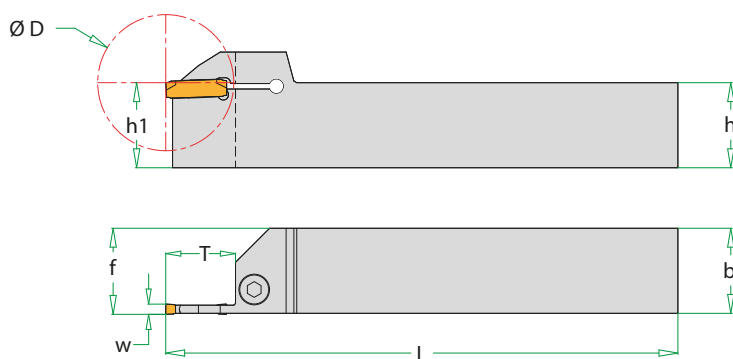
| Code No                 | h  | b  | L   | h1 | f    | w | Ø D | T    | Inserts    | Screw        | Tightening Torque |
|-------------------------|----|----|-----|----|------|---|-----|------|------------|--------------|-------------------|
| EGPR-L 1616H 3D20- S151 | 16 | 16 | 100 | 16 | 16.3 | 3 | 20  | 11.5 | N151.2.300 | M4x0.7-20 mm | max. 3,5 Nm       |
| EGPR-L 2020K 3D20- S151 | 20 | 20 | 125 | 20 | 20.3 | 3 | 20  | 11.5 | N151.2.300 | M4x0.7-20 mm | max. 3,5 Nm       |
| EGPR-L 2020K 3D40- S151 | 20 | 20 | 125 | 20 | 20.3 | 3 | 40  | 20.5 | N151.2.300 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 3D40- S151 | 25 | 25 | 150 | 25 | 25.3 | 3 | 40  | 20.5 | N151.2.300 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 4D50- S151 | 20 | 20 | 125 | 20 | 20.3 | 4 | 50  | 25.5 | N151.2.400 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 4D50- S151 | 25 | 25 | 150 | 25 | 25.3 | 4 | 50  | 25.5 | N151.2.400 | M5x0.8-25 mm | max. 5,5 Nm       |

## EGPR-M



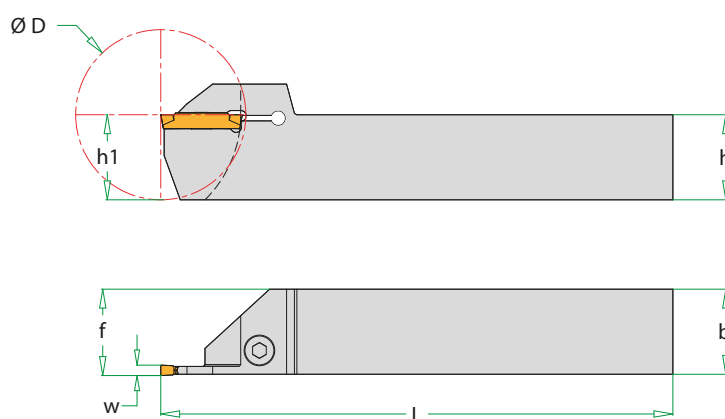
| Code No               | h  | b  | L   | h1 | f    | w   | ØD | T    | Inserts  | Screw        | Tightening Torque |
|-----------------------|----|----|-----|----|------|-----|----|------|----------|--------------|-------------------|
| EGPR-L 1212K 2D35-M   | 12 | 12 | 125 | 12 | 12.2 | 2   | 35 | -    | GY - 2   | M5x0.8-16 mm | max. 3,5 Nm       |
| EGPR-L 1616K 2D35-M   | 16 | 16 | 125 | 16 | 16.2 | 2   | 35 | -    | GY - 2   | M5x0.8-16 mm | max. 3,5 Nm       |
| EGPR-L 2020K 2D35-M   | 20 | 20 | 125 | 20 | 20.2 | 2   | 35 | -    | GY - 2   | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2D35-M   | 25 | 25 | 150 | 25 | 25.2 | 2   | 35 | -    | GY - 2   | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2,5D35-M | 25 | 25 | 150 | 25 | 25.3 | 2.5 | 35 | -    | GY - 2,5 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 1212K 3D40-M   | 12 | 12 | 125 | 12 | 12.4 | 3   | 40 | -    | GY - 3   | M5x0.8-16 mm | max. 5,5 Nm       |
| EGPR-L 1616K 3D40-M   | 16 | 16 | 125 | 16 | 16.4 | 3   | 40 | -    | GY - 3   | M5x0.8-16 mm | max. 5,5 Nm       |
| EGPR-L 2020K 3D40-M   | 20 | 20 | 125 | 20 | 20.4 | 3   | 40 | -    | GY - 3   | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 3D40-M   | 25 | 25 | 150 | 25 | 25.4 | 3   | 40 | -    | GY - 3   | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 4D50-M   | 20 | 20 | 125 | 20 | 20.4 | 4   | 50 | 25.5 | GY - 4   | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 4D50-M   | 25 | 25 | 150 | 25 | 25.4 | 4   | 50 | 25.5 | GY - 4   | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 5D50-M   | 25 | 25 | 150 | 25 | 25.4 | 5   | 50 | 25.5 | GY - 5   | M5x0.8-25 mm | max. 5,5 Nm       |

## EGPR-LM



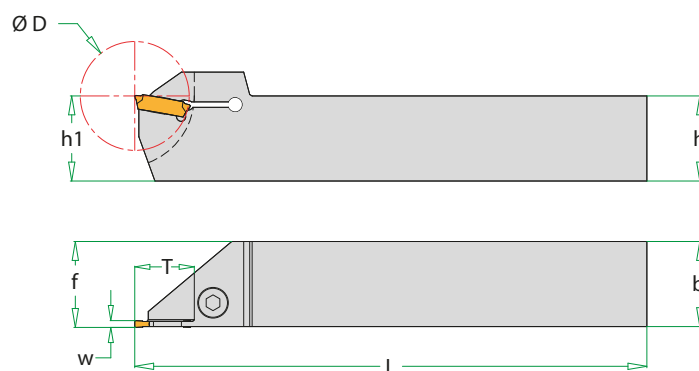
| Code No              | h  | b  | L   | h1 | f    | w | ØD | T    | Inserts  | Screw        | Tightening Torque |
|----------------------|----|----|-----|----|------|---|----|------|----------|--------------|-------------------|
| EGPR-L 1212K 2D40-LM | 12 | 12 | 125 | 12 | 12.2 | 2 | 40 | 20.5 | GCTX - 2 | M5x0.8-20 mm | max. 3,5 Nm       |
| EGPR-L 1616K 2D40-LM | 16 | 16 | 125 | 16 | 16.2 | 2 | 40 | 20.5 | GCTX - 2 | M5x0.8-20 mm | max. 3,5 Nm       |
| EGPR-L 2020K 2D40-LM | 20 | 20 | 125 | 20 | 20.2 | 2 | 40 | 20.5 | GCTX - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2D40-LM | 25 | 25 | 150 | 25 | 25.2 | 2 | 40 | 20.5 | GCTX - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 1616K 3D40-LM | 16 | 16 | 125 | 16 | 16.3 | 3 | 40 | 20.5 | GCTX - 3 | M5x0.8-20 mm | max. 5,5 Nm       |
| EGPR-L 2020K 3D40-LM | 20 | 20 | 125 | 20 | 20.3 | 3 | 40 | 20.5 | GCTX - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 3D40-LM | 25 | 25 | 150 | 25 | 25.3 | 3 | 40 | 20.5 | GCTX - 3 | M5x0.8-25 mm | max. 5,5 Nm       |

## EGPR-WT



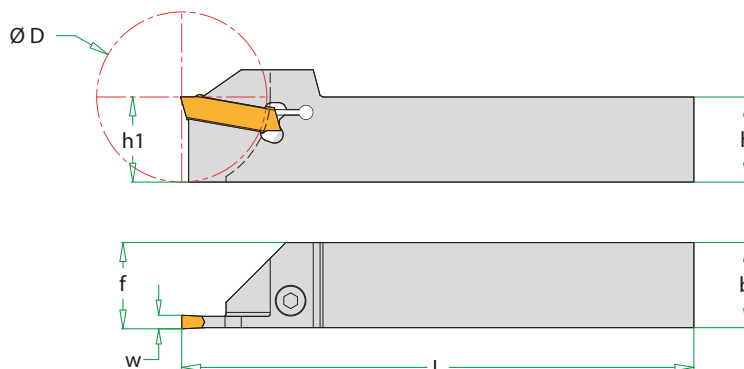
| Code No              | h  | b  | L   | h1 | f    | w | ØD | T | Inserts  | Screw        | Tightening Torque |
|----------------------|----|----|-----|----|------|---|----|---|----------|--------------|-------------------|
| EGPR-L 2020K 2D45-WT | 20 | 20 | 125 | 20 | 20.4 | 2 | 45 | - | GX24 - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2D45-WT | 25 | 25 | 150 | 25 | 25.4 | 2 | 45 | - | GX24 - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2020K 3D45-WT | 20 | 20 | 125 | 20 | 20.4 | 3 | 45 | - | GX24 - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 3D45-WT | 25 | 25 | 150 | 25 | 25.4 | 3 | 45 | - | GX24 - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 4D45-WT | 20 | 20 | 125 | 20 | 20.4 | 4 | 45 | - | GX24 - 4 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 4D45-WT | 25 | 25 | 150 | 25 | 25.4 | 4 | 45 | - | GX24 - 4 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 5D45-WT | 20 | 20 | 125 | 20 | 20.5 | 5 | 45 | - | GX24 - 5 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 5D45-WT | 25 | 25 | 150 | 25 | 25.5 | 5 | 45 | - | GX24 - 5 | M5x0.8-25 mm | max. 5,5 Nm       |

## EGPR-GX16



| Code No                | h  | b  | L   | h1 | f     | w | ØD | T | Inserts  | Screw        | Tightening Torque |
|------------------------|----|----|-----|----|-------|---|----|---|----------|--------------|-------------------|
| EGPR-L 1616K 2D32-GX16 | 16 | 16 | 125 | 16 | 16.3  | 2 | 32 | - | GX16 - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2020K 2D32-GX16 | 20 | 20 | 125 | 20 | 20.3  | 2 | 32 | - | GX16 - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2D32-GX16 | 25 | 25 | 150 | 25 | 25.3  | 2 | 32 | - | GX16 - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 1616K 3D32-GX16 | 16 | 16 | 125 | 16 | 16.35 | 3 | 32 | - | GX16 - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 3D45-GX16 | 20 | 20 | 125 | 20 | 20.35 | 3 | 45 | - | GX16 - 3 | M5x0.8-25 mm | max. 5,5 Nm       |

## EGPR-HS



## Hrn - 229 and Dmml ZTP Series

| Code No              | h  | b  | L   | h1 | f    | w | ØD | T | Inserts         | Screw        | Tightening Torque |
|----------------------|----|----|-----|----|------|---|----|---|-----------------|--------------|-------------------|
| EGPR-L 1212K 2D25-HS | 12 | 12 | 125 | 12 | 12.2 | 2 | 25 | - | 229-2 or ZTP-02 | M5x0.8-16 mm | max. 3,5 Nm       |
| EGPR-L 1616K 2D25-HS | 16 | 16 | 125 | 16 | 16.2 | 2 | 25 | - | 229-2 or ZTP-02 | M5x0.8-16 mm | max. 3,5 Nm       |
| EGPR-L 2020M 2D25-HS | 20 | 20 | 150 | 20 | 20.2 | 2 | 25 | - | 229-2 or ZTP-02 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2020M 2D50-HS | 20 | 20 | 150 | 20 | 20.2 | 2 | 50 | - | 229-2 or ZTP-02 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2D25-HS | 25 | 25 | 150 | 25 | 25.2 | 2 | 25 | - | 229-2 or ZTP-02 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2D50-HS | 25 | 25 | 150 | 25 | 25.2 | 2 | 50 | - | 229-2 or ZTP-02 | M5x0.8-25 mm | max. 3,5 Nm       |

|                      |    |    |     |    |      |   |    |   |                 |              |             |
|----------------------|----|----|-----|----|------|---|----|---|-----------------|--------------|-------------|
| EGPR-L 1212K 3D25-HS | 12 | 12 | 125 | 12 | 12.2 | 3 | 25 | - | 229-3 or ZTP-03 | M5x0.8-16 mm | max. 5,5 Nm |
| EGPR-L 1616K 3D25-HS | 16 | 16 | 125 | 16 | 16.2 | 3 | 25 | - | 229-3 or ZTP-03 | M5x0.8-16 mm | max. 5,5 Nm |
| EGPR-L 2020M 3D25-HS | 20 | 20 | 150 | 20 | 20.2 | 3 | 25 | - | 229-3 or ZTP-03 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2020M 3D50-HS | 20 | 20 | 150 | 20 | 20.2 | 3 | 50 | - | 229-3 or ZTP-03 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2525M 3D25-HS | 25 | 25 | 150 | 25 | 25.2 | 3 | 25 | - | 229-3 or ZTP-03 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2525M 3D50-HS | 25 | 25 | 150 | 25 | 25.2 | 3 | 50 | - | 229-3 or ZTP-03 | M5x0.8-25 mm | max. 5,5 Nm |

|                      |    |    |     |    |      |   |    |   |                 |              |             |
|----------------------|----|----|-----|----|------|---|----|---|-----------------|--------------|-------------|
| EGPR-L 2020M 4D25-HS | 20 | 20 | 150 | 20 | 20.2 | 4 | 25 | - | 229-4 or ZTP-04 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2020M 4D50-HS | 20 | 20 | 150 | 20 | 20.2 | 4 | 50 | - | 229-4 or ZTP-04 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2525M 4D25-HS | 25 | 25 | 150 | 25 | 25.2 | 4 | 25 | - | 229-4 or ZTP-04 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2525M 4D50-HS | 25 | 25 | 150 | 25 | 25.2 | 4 | 50 | - | 229-4 or ZTP-04 | M5x0.8-25 mm | max. 5,5 Nm |

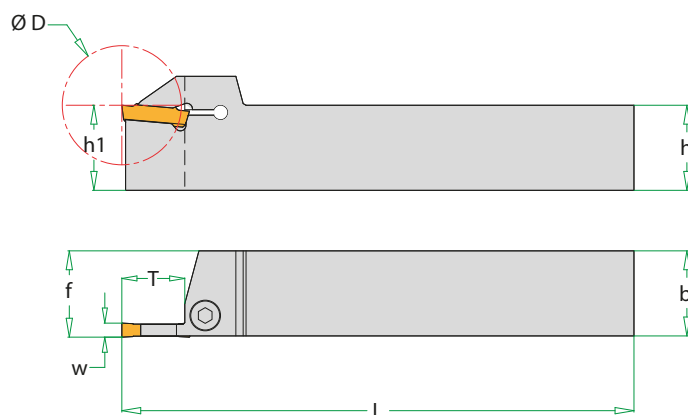
|                      |    |    |     |    |      |   |    |   |                 |              |             |
|----------------------|----|----|-----|----|------|---|----|---|-----------------|--------------|-------------|
| EGPR-L 2020M 5D25-HS | 20 | 20 | 150 | 20 | 20.2 | 5 | 25 | - | 229-5 or ZTP-05 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2020M 5D50-HS | 20 | 20 | 150 | 20 | 20.2 | 5 | 50 | - | 229-5 or ZTP-05 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2525M 5D25-HS | 25 | 25 | 150 | 25 | 25.2 | 5 | 25 | - | 229-5 or ZTP-05 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2525M 5D50-HS | 25 | 25 | 150 | 25 | 25.2 | 5 | 50 | - | 229-5 or ZTP-05 | M5x0.8-25 mm | max. 5,5 Nm |

|                      |    |    |     |    |      |   |    |   |                 |              |             |
|----------------------|----|----|-----|----|------|---|----|---|-----------------|--------------|-------------|
| EGPR-L 2020M 6D25-HS | 20 | 20 | 150 | 20 | 20.2 | 6 | 25 | - | 229-6 or ZTP-06 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2020M 6D50-HS | 20 | 20 | 150 | 20 | 20.2 | 6 | 50 | - | 229-6 or ZTP-06 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2525M 6D25-HS | 25 | 25 | 150 | 25 | 25.2 | 6 | 25 | - | 229-6 or ZTP-06 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2525M 6D50-HS | 25 | 25 | 150 | 25 | 25.2 | 6 | 50 | - | 229-6 or ZTP-06 | M5x0.8-25 mm | max. 5,5 Nm |

## Hrn - 224 Series

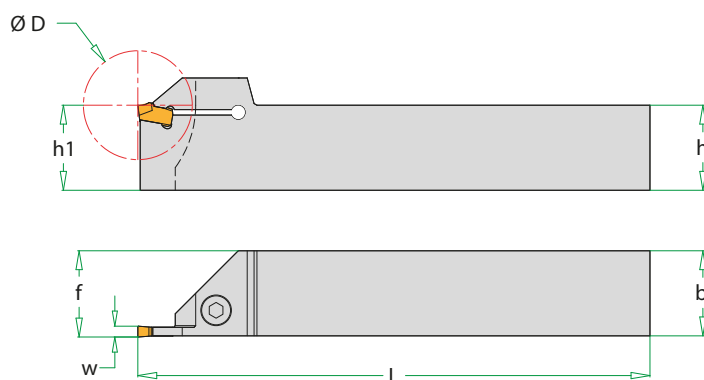
|                       |    |    |     |    |      |   |    |   |         |              |             |
|-----------------------|----|----|-----|----|------|---|----|---|---------|--------------|-------------|
| EGPR-L 2020K 3D40-224 | 20 | 20 | 125 | 20 | 20.4 | 3 | 40 | - | 224 - 3 | M5x0.8-25 mm | max. 5,5 Nm |
| EGPR-L 2525M 3D40-224 | 25 | 25 | 150 | 25 | 25.4 | 3 | 40 | - | 224 - 3 | M5x0.8-25 mm | max. 5,5 Nm |

## EGPR-X3



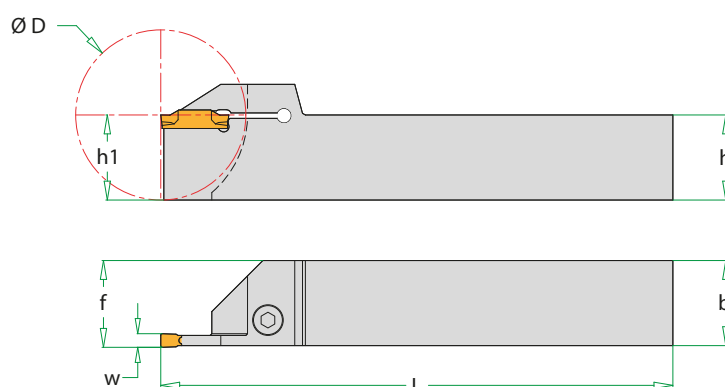
| Code No              | h  | b  | L   | h1 | f     | w | ØD | T    | Inserts | Screw        | Tightening Torque |
|----------------------|----|----|-----|----|-------|---|----|------|---------|--------------|-------------------|
| EGPR-L 1616K 2D35-X3 | 16 | 16 | 125 | 16 | 16.3  | 2 | 35 | 18.5 | A4 - 2  | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2020K 2D35-X3 | 20 | 20 | 125 | 20 | 20.3  | 2 | 35 | 18.5 | A4 - 2  | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2D35-X3 | 25 | 25 | 150 | 25 | 25.3  | 2 | 35 | 18.5 | A4 - 2  | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 1616K 3D35-X3 | 16 | 16 | 125 | 16 | 16.35 | 3 | 35 | 18.5 | A4 - 3  | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 3D35-X3 | 20 | 20 | 125 | 20 | 20.35 | 3 | 35 | 18.5 | A4 - 3  | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 3D35-X3 | 25 | 25 | 150 | 25 | 25.35 | 3 | 35 | 18.5 | A4 - 3  | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 4D35-X3 | 20 | 20 | 125 | 20 | 20.35 | 4 | 35 | 18.5 | A4 - 4  | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 4D35-X3 | 25 | 25 | 150 | 25 | 25.35 | 4 | 35 | 18.5 | A4 - 4  | M5x0.8-25 mm | max. 5,5 Nm       |

## EGPR-KN2



| Code No               | h  | b  | L   | h1 | f    | w | ØD | T | Inserts | Screw        | Tightening Torque |
|-----------------------|----|----|-----|----|------|---|----|---|---------|--------------|-------------------|
| EGPR-L 2020K 3D32-KN2 | 20 | 20 | 125 | 20 | 20.3 | 3 | 32 | - | A2 - 3  | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 3D32-KN2 | 25 | 25 | 150 | 25 | 25.3 | 3 | 32 | - | A2 - 3  | M5x0.8-25 mm | max. 5,5 Nm       |

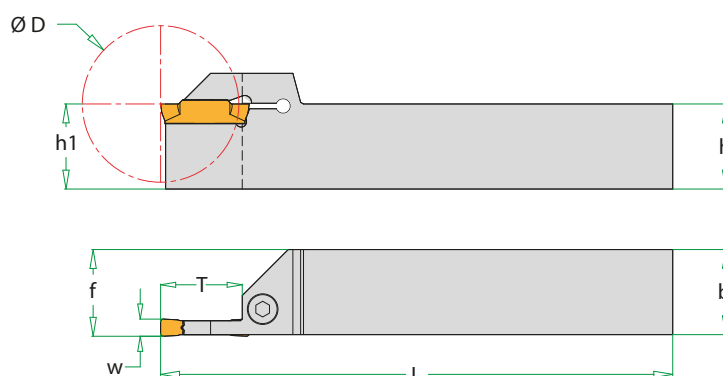
## EGPR-T3



| Code No               | h  | b  | L   | h1 | f     | w | ØD | T | Inserts | Screw        | Tightening Torque |
|-----------------------|----|----|-----|----|-------|---|----|---|---------|--------------|-------------------|
| EGPR-L 1616K 2D35-T3S | 16 | 16 | 125 | 16 | 16.2  | 2 | 24 | - | TDT - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 1616K 2D35-T3S | 16 | 16 | 125 | 16 | 16.2  | 2 | 32 | - | TDT - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 1616K 2D35-T3  | 16 | 16 | 125 | 16 | 16.2  | 2 | 35 | - | TDT - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2020K 2D35-T3  | 20 | 20 | 125 | 20 | 20.2  | 2 | 35 | - | TDT - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 2525M 2D35-T3  | 25 | 25 | 150 | 25 | 25.2  | 2 | 35 | - | TDT - 2 | M5x0.8-25 mm | max. 3,5 Nm       |
| EGPR-L 1616K 3D40-T3  | 16 | 16 | 125 | 16 | 16.35 | 3 | 40 | - | TDT - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 3D40-T3  | 20 | 20 | 125 | 20 | 20.35 | 3 | 40 | - | TDT - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 3D40-T3  | 25 | 25 | 150 | 25 | 25.35 | 3 | 40 | - | TDT - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 4D50-T3  | 20 | 20 | 125 | 20 | 20.5  | 4 | 50 | - | TDT - 4 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 4D50-T3  | 25 | 25 | 150 | 25 | 25.5  | 4 | 50 | - | TDT - 4 | M5x0.8-25 mm | max. 5,5 Nm       |



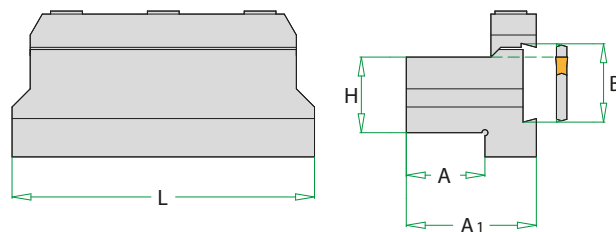
## EGPR-KR



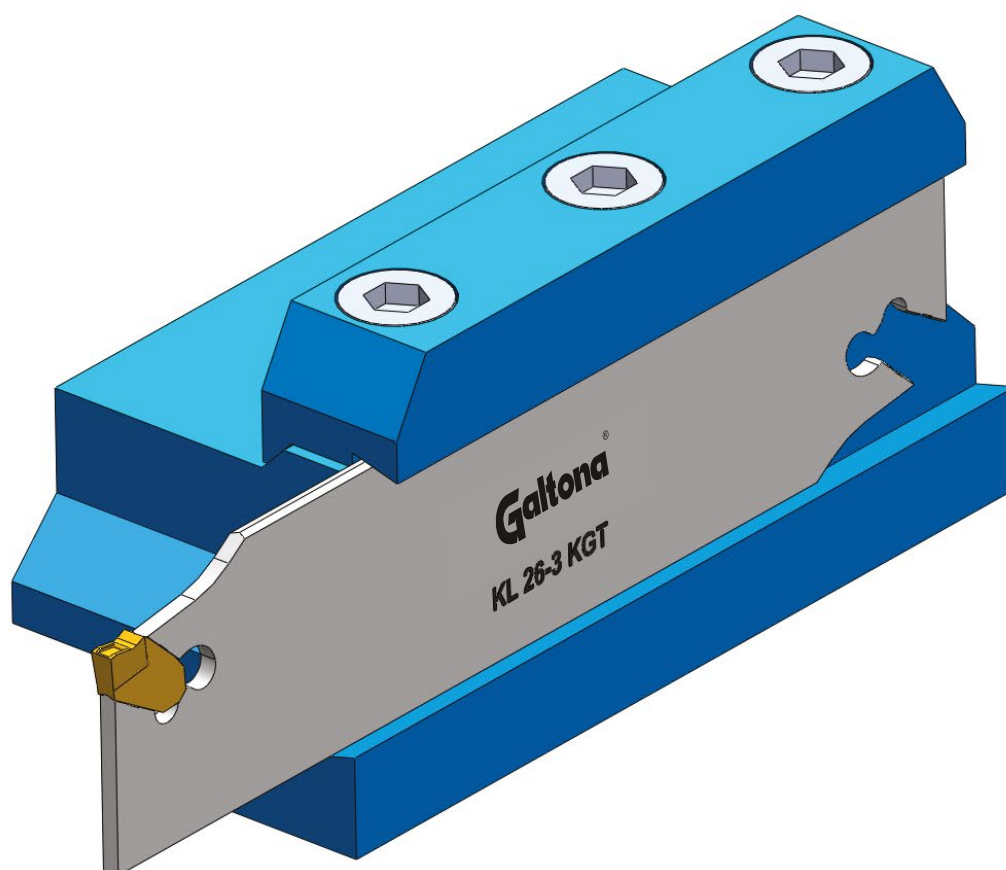
| Code No              | h  | b  | L   | h1 | f     | w | ØD | T    | Inserts  | Screw        | Tightening Torque |
|----------------------|----|----|-----|----|-------|---|----|------|----------|--------------|-------------------|
| EGPR-L 1010K 2D20-KR | 10 | 10 | 125 | 10 | 10.2  | 2 | 20 | -    | MGMN - 2 | M4x0.7-15 mm | max. 3,5 Nm       |
| EGPR-L 1212K 2D25-KR | 12 | 12 | 125 | 12 | 12.2  | 2 | 25 | -    | MGMN - 2 | M4x0.7-15 mm | max. 3,5 Nm       |
| EGPR-L 1616K 2D30-KR | 16 | 16 | 125 | 16 | 16.2  | 2 | 30 | 15.5 | MGMN - 2 | M5x0.8-15 mm | max. 5,5 Nm       |
| EGPR-L 2020K 2D30-KR | 20 | 20 | 125 | 20 | 20.2  | 2 | 30 | 15.5 | MGMN - 2 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 2D30-KR | 25 | 25 | 150 | 25 | 25.2  | 2 | 30 | 15.5 | MGMN - 2 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 1616K 3D40-KR | 16 | 16 | 125 | 16 | 16.3  | 3 | 40 | 20.5 | MGMN - 3 | M5x0.8-15 mm | max. 5,5 Nm       |
| EGPR-L 2020K 3D40-KR | 20 | 20 | 125 | 20 | 20.3  | 3 | 40 | 20.5 | MGMN - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 3D40-KR | 25 | 25 | 150 | 25 | 25.3  | 3 | 40 | 20.5 | MGMN - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 3232P 3D40-KR | 32 | 32 | 170 | 32 | 32.3  | 3 | 40 | 20.5 | MGMN - 3 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 4D40-KR | 20 | 20 | 125 | 20 | 20.35 | 4 | 40 | 20.5 | MGMN - 4 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 4D40-KR | 25 | 25 | 150 | 25 | 25.35 | 4 | 40 | 20.5 | MGMN - 4 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 3232P 4D40-KR | 32 | 32 | 170 | 32 | 32.35 | 4 | 40 | 20.5 | MGMN - 4 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2020K 5D45-KR | 20 | 20 | 125 | 20 | 20.4  | 5 | 47 | 24   | MGMN - 5 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 2525M 5D45-KR | 25 | 25 | 150 | 25 | 25.4  | 5 | 47 | 24   | MGMN - 5 | M5x0.8-25 mm | max. 5,5 Nm       |
| EGPR-L 3232P 5D45-KR | 32 | 32 | 170 | 32 | 32.4  | 5 | 47 | 24   | MGMN - 5 | M5x0.8-25 mm | max. 5,5 Nm       |

## PKLG

## Tool Blocks



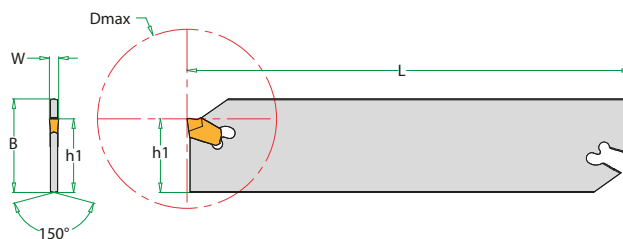
| Code No        | H  | A  | B  | L   | A1 |
|----------------|----|----|----|-----|----|
| PKLG 1616 -19  | 16 | 16 | 19 | 74  | 28 |
| PKLG 2020 - 26 | 20 | 20 | 26 | 86  | 38 |
| PKLG 2525 - 26 | 25 | 25 | 26 | 100 | 43 |
| PKLG 2020 - 32 | 20 | 20 | 32 | 110 | 40 |
| PKLG 2525 - 32 | 25 | 25 | 32 | 110 | 45 |



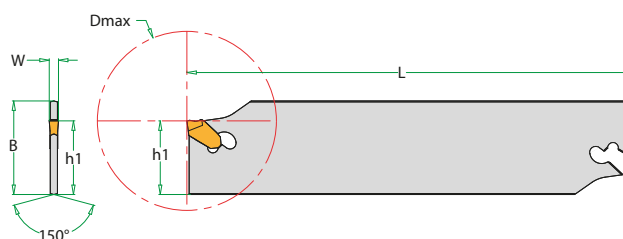
# Parting Tools





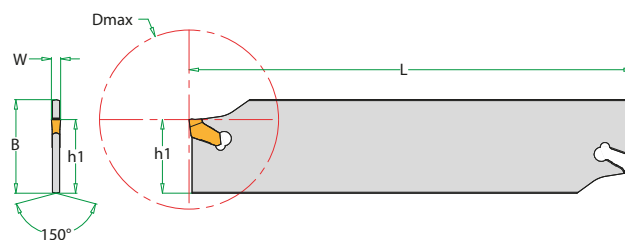
[illegible]

## KL - KGT



|              |   |     |    |      |     |         | Extractor                                                                             |
|--------------|---|-----|----|------|-----|---------|---------------------------------------------------------------------------------------|
| Code No      | W | L   | B  | h1   | ØD  | Inserts |  |
| KL 192 - KGT | 2 | 86  | 19 | 15.5 | 40  | KGT-2   | LA-4                                                                                  |
| KL 193 - KGT | 3 | 86  | 19 | 15.5 | 40  | KGT-3   | LA-4                                                                                  |
| KL 262 - KGT | 2 | 110 | 26 | 21.5 | 50  | KGT-2   | LA-4                                                                                  |
| KL 263 - KGT | 3 | 110 | 26 | 21.5 | 75  | KGT-3   | LA-4                                                                                  |
| KL 264 - KGT | 4 | 110 | 26 | 21.5 | 80  | KGT-4   | LA-4                                                                                  |
| KL 265 - KGT | 5 | 110 | 26 | 21.5 | 80  | KGT-5   | LA-4                                                                                  |
| KL 322 - KGT | 2 | 150 | 32 | 25   | 50  | KGT-2   | LA-4                                                                                  |
| KL 323 - KGT | 3 | 150 | 32 | 25   | 100 | KGT-3   | LA-4                                                                                  |
| KL 324 - KGT | 4 | 150 | 32 | 25   | 120 | KGT-4   | LA-4                                                                                  |
| KL 325 - KGT | 5 | 150 | 32 | 25   | 120 | KGT-5   | LA-4                                                                                  |

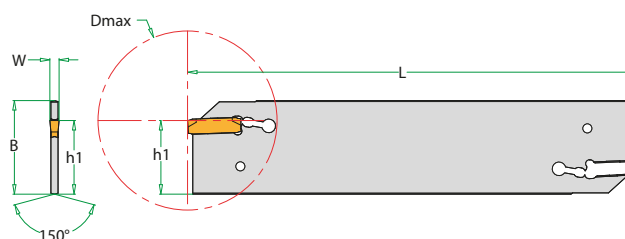
## KL - PR



| Code No     | W | L   | B  | h1   | ØD  | Inserts       |
|-------------|---|-----|----|------|-----|---------------|
| KL 192 - PR | 2 | 86  | 19 | 15.5 | 40  | PRMT LFMX-2.1 |
| KL 193 - PR | 3 | 86  | 19 | 15.5 | 40  | PRMT LFMX-3.1 |
| KL 262 - PR | 2 | 110 | 26 | 21.5 | 50  | PRMT LFMX-2.1 |
| KL 263 - PR | 3 | 110 | 26 | 21.5 | 75  | PRMT LFMX-3.1 |
| KL 264 - PR | 4 | 110 | 26 | 21.5 | 80  | PRMT LFMX-4.1 |
| KL 322 - PR | 2 | 150 | 32 | 25   | 50  | PRMT LFMX-2.1 |
| KL 323 - PR | 3 | 150 | 32 | 25   | 100 | PRMT LFMX-3.1 |
| KL 324 - PR | 4 | 150 | 32 | 25   | 120 | PRMT LFMX-4.1 |

| Extractor                                                                           |  |
|-------------------------------------------------------------------------------------|--|
|  |  |
| LA-4                                                                                |  |
| LA-4                                                                                |  |
| LA-4                                                                                |  |
| LA-4                                                                                |  |
| LA-4                                                                                |  |
| LA-4                                                                                |  |
| LA-4                                                                                |  |
| LA-4                                                                                |  |

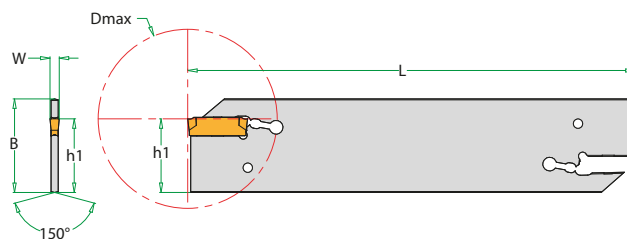
## KL - LM



| Code No       | W | L   | B  | h1 | ØD  | Inserts |
|---------------|---|-----|----|----|-----|---------|
| KL 322LM - K5 | 2 | 150 | 32 | 25 | 50  | GCTX-2  |
| KL 323LM - K5 | 3 | 150 | 32 | 25 | 100 | GCTX-3  |

| Extractor                                                                             |       |
|---------------------------------------------------------------------------------------|-------|
|  |       |
| LA-5                                                                                  | LA-10 |
| LA-5                                                                                  | LA-10 |

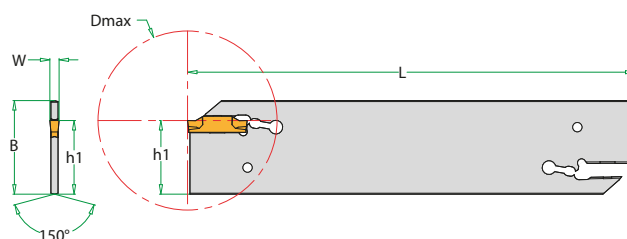
## KL - DG



| Code No       | W | L   | B  | h1   | ØD  | Inserts |
|---------------|---|-----|----|------|-----|---------|
| KL 262DG - K5 | 2 | 110 | 26 | 21.5 | 40  | DGN - 2 |
| KL 263DG - K5 | 3 | 110 | 26 | 21.5 | 50  | DGN - 3 |
| KL 322DG - K5 | 2 | 150 | 32 | 25   | 50  | DGN - 2 |
| KL 323DG - K5 | 3 | 150 | 32 | 25   | 100 | DGN - 3 |

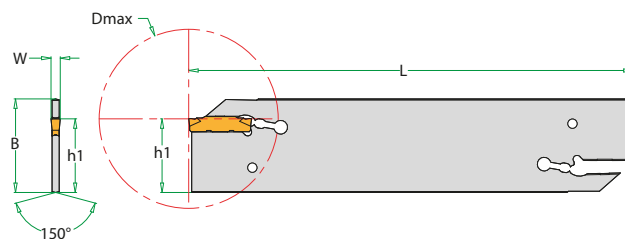
| Extractor |    |       |
|-----------|----|-------|
|           |    |       |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |

## KL - T3



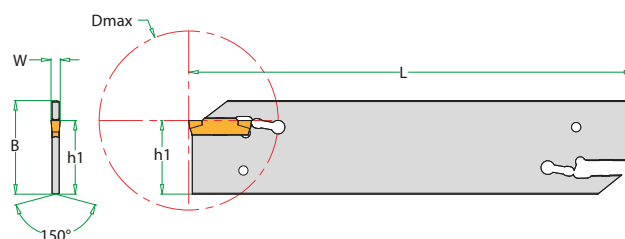
| Code No       | W | L   | B  | h1   | ØD  | Inserts |
|---------------|---|-----|----|------|-----|---------|
| KL 262T3 - K5 | 2 | 110 | 26 | 21,5 | 40  | TDT - 2 |
| KL 263T3 - K5 | 3 | 110 | 26 | 21,5 | 50  | TDT - 3 |
| KL 322T3 - K5 | 2 | 150 | 32 | 25   | 50  | TDT - 2 |
| KL 323T3 - K5 | 3 | 150 | 32 | 25   | 100 | TDT - 3 |
| KL 324T3 - K5 | 4 | 150 | 32 | 25   | 120 | TDT - 4 |

| Extractor |    |       |
|-----------|----|-------|
|           |    |       |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |

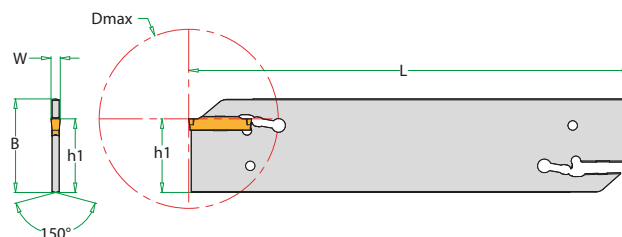


| Extractor                                                                           |    |                                                                                     |
|-------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------|
|  |    |  |
| LA-5                                                                                | or | LA-10                                                                               |
| LA-5                                                                                | or | LA-10                                                                               |
| LA-5                                                                                | or | LA-10                                                                               |
| LA-5                                                                                | or | LA-10                                                                               |
| LA-5                                                                                | or | LA-10                                                                               |

## KL - KR

[illegible]

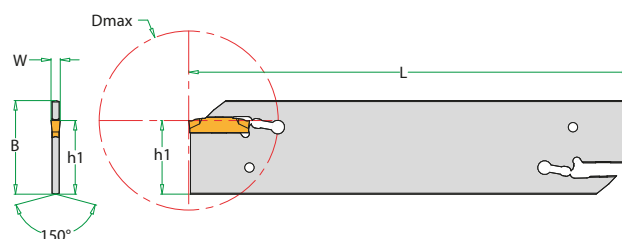
## KL - SGC



| Code No        | W | L   | B  | h1   | ØD  | Inserts  |
|----------------|---|-----|----|------|-----|----------|
| KL 262SGC - K5 | 2 | 110 | 26 | 21,5 | 40  | GCMN - 2 |
| KL 263SGC - K5 | 3 | 110 | 26 | 21,5 | 50  | GCMN - 3 |
| KL 322SGC - K5 | 2 | 150 | 32 | 25   | 50  | GCMN - 2 |
| KL 323SGC - K5 | 3 | 150 | 32 | 25   | 100 | GCMN - 3 |
| KL 324SGC - K5 | 4 | 150 | 32 | 25   | 120 | GCMN - 4 |

| Extractor |    |       |
|-----------|----|-------|
|           |    |       |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |

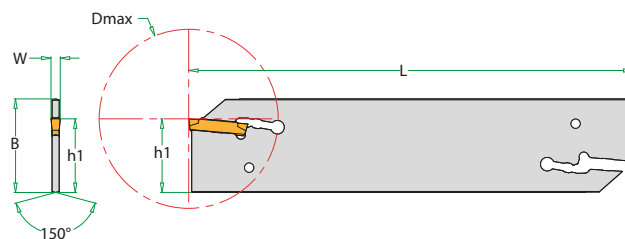
## KL - PGP



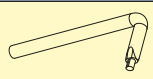
| Code No        | W | L   | B  | h1   | ØD  | Inserts       |
|----------------|---|-----|----|------|-----|---------------|
| KL 262PGP - K5 | 2 | 110 | 26 | 21,5 | 40  | PLBT - GP0200 |
| KL 263PGP - K5 | 3 | 110 | 26 | 21,5 | 50  | PLBT - GP0300 |
| KL 322PGP - K5 | 2 | 150 | 32 | 25   | 50  | PLBT - GP0200 |
| KL 323PGP - K5 | 3 | 150 | 32 | 25   | 100 | PLBT - GP0300 |

| Extractor |    |       |
|-----------|----|-------|
|           |    |       |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |

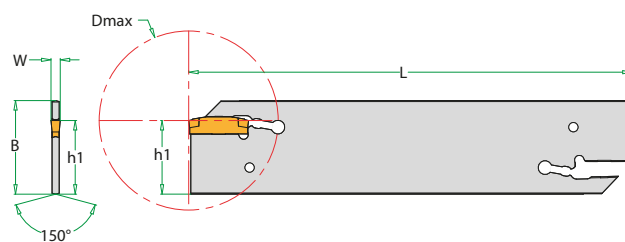
## KL - A4



| Code No.       | W   | L   | B  | h1   | ØD  | Inserts  |
|----------------|-----|-----|----|------|-----|----------|
| KL 2615A4 - K5 | 1,5 | 110 | 26 | 21,5 | 32  | A4 - 1,5 |
| KL 262A4 - K5  | 2   | 110 | 26 | 21,5 | 40  | A4 - 2   |
| KL 263A4 - K5  | 3   | 110 | 26 | 21,5 | 50  | A4 - 3   |
| KL 322A4 - K5  | 2   | 150 | 32 | 25   | 50  | A4 - 2   |
| KL 323A4 - K5  | 3   | 150 | 32 | 25   | 100 | A4 - 3   |
| KL 324A4 - K5  | 4   | 150 | 32 | 25   | 120 | A4 - 4   |

| Extractor                                                                           |                                                                                     |       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|  |  |       |
| LA-5                                                                                | or                                                                                  | LA-10 |
| LA-5                                                                                | or                                                                                  | LA-10 |
| LA-5                                                                                | or                                                                                  | LA-10 |
| LA-5                                                                                | or                                                                                  | LA-10 |
| LA-5                                                                                | or                                                                                  | LA-10 |

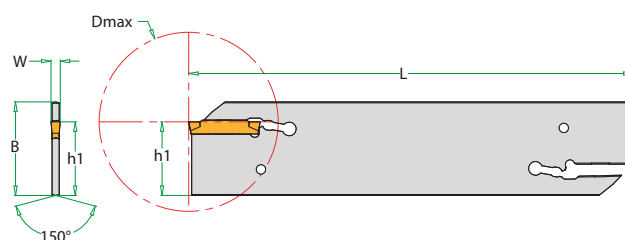
## KL - S123



| Code No         | W | L   | B  | h1   | ØD  | Inserts  |
|-----------------|---|-----|----|------|-----|----------|
| KL 262S123 - K5 | 2 | 110 | 26 | 21,5 | 40  | S123 - 2 |
| KL 263S123 - K5 | 3 | 110 | 26 | 21,5 | 50  | S123 - 3 |
| KL 322S123 - K5 | 2 | 150 | 32 | 25   | 50  | S123 - 2 |
| KL 323S123 - K5 | 3 | 150 | 32 | 25   | 100 | S123 - 3 |

| Extractor                                                                             |                                                                                       |       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|
|  |  |       |
| LA-5                                                                                  | or                                                                                    | LA-10 |
| LA-5                                                                                  | or                                                                                    | LA-10 |
| LA-5                                                                                  | or                                                                                    | LA-10 |
| LA-5                                                                                  | or                                                                                    | LA-10 |

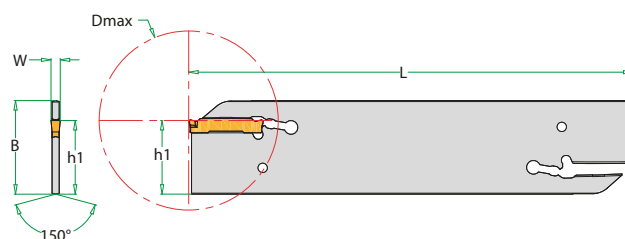
## KL - GX24



| Code No         | W | L   | B  | h1   | ØD  | Inserts  |
|-----------------|---|-----|----|------|-----|----------|
| KL 262GX24 - K5 | 2 | 110 | 26 | 21,5 | 40  | GX24 - 2 |
| KL 263GX24 - K5 | 3 | 110 | 26 | 21,5 | 50  | GX24 - 3 |
| KL 322GX24 - K5 | 2 | 150 | 32 | 25   | 50  | GX24 - 2 |
| KL 323GX24 - K5 | 3 | 150 | 32 | 25   | 100 | GX24 - 3 |
| KL 324GX24 - K5 | 4 | 150 | 32 | 25   | 120 | GX24 - 4 |

| Extractor |    |       |
|-----------|----|-------|
|           |    |       |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |

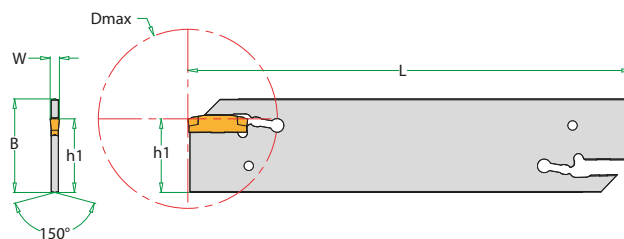
## KL - PRGL



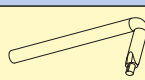
| Code No         | W | L   | B  | h1   | ØD  | Inserts    |
|-----------------|---|-----|----|------|-----|------------|
| KL 262PRGL - K5 | 2 | 110 | 26 | 21,5 | 40  | PRMT - GL2 |
| KL 263PRGL - K5 | 3 | 110 | 26 | 21,5 | 50  | PRMT - GL3 |
| KL 322PRGL - K5 | 2 | 150 | 32 | 25   | 50  | PRMT - GL2 |
| KL 323PRGL - K5 | 3 | 150 | 32 | 25   | 100 | PRMT - GL3 |
| KL 324PRGL - K5 | 4 | 150 | 32 | 25   | 120 | PRMT - GL4 |

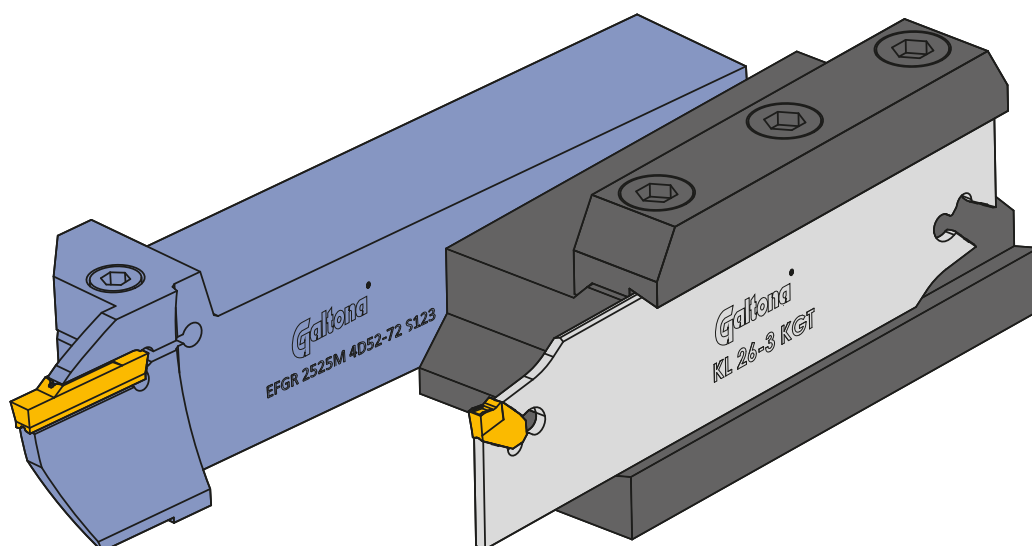
| Extractor |    |       |
|-----------|----|-------|
|           |    |       |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |
| LA-5      | or | LA-10 |

## KL - GS

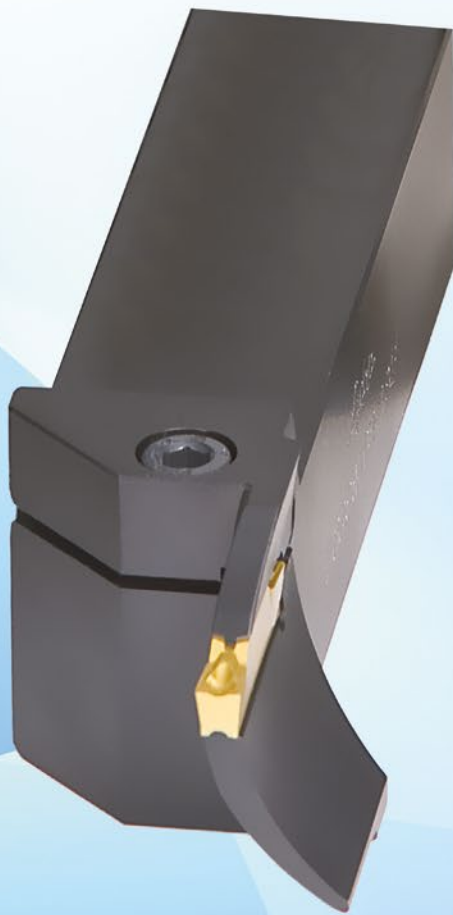


| Code No       | W | L   | B  | h1   | ØD  | Inserts |
|---------------|---|-----|----|------|-----|---------|
| KL 262GS - K5 | 2 | 110 | 26 | 21.5 | 40  | GZD-2   |
| KL 263GS - K5 | 3 | 110 | 26 | 21.5 | 50  | GZD-3   |
| KL 322GS - K5 | 2 | 150 | 32 | 25   | 50  | GZD-2   |
| KL 323GS - K5 | 3 | 150 | 32 | 25   | 100 | GZD-3   |

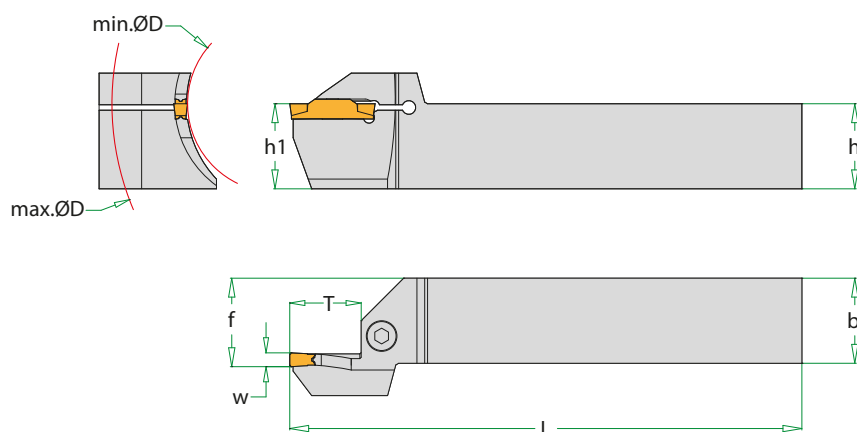
| Extractor                                                                           |                                                                                     |       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|  |  |       |
| LA-5                                                                                | or                                                                                  | LA-10 |
| LA-5                                                                                | or                                                                                  | LA-10 |
| LA-5                                                                                | or                                                                                  | LA-10 |
| LA-5                                                                                | or                                                                                  | LA-10 |



# External Face Grooving

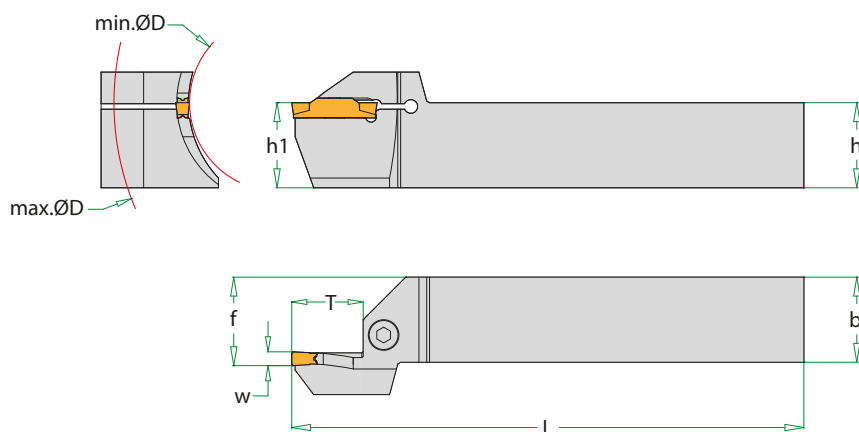


## EFGR-S123



| Code No                   | h  | b  | L   | h1 | f  | w | min<br>Ø D | max<br>Ø D | T  | Inserts | Screw        | Tightening Torque |
|---------------------------|----|----|-----|----|----|---|------------|------------|----|---------|--------------|-------------------|
| EFGR 2525M 4D52-72 S123   | 25 | 25 | 150 | 25 | 26 | 4 | 52         | 72         | 20 | S123.4  | M5x0.8-25 mm | max. 5,5 Nm       |
| EFGR 2525M 4D64-100 S123  | 25 | 25 | 150 | 25 | 26 | 4 | 64         | 100        | 25 | S123.4  | M5x0.8-25 mm | max. 5,5 Nm       |
| EFGR 2525M 4D92-140 S123  | 25 | 25 | 150 | 25 | 26 | 4 | 92         | 140        | 25 | S123.4  | M5x0.8-25 mm | max. 5,5 Nm       |
| EFGR 2525M 4D132-230 S123 | 25 | 25 | 150 | 25 | 26 | 4 | 132        | 230        | 25 | S123.4  | M5x0.8-25 mm | max. 5,5 Nm       |
| EFGR 2525M 4D220-500 S123 | 25 | 25 | 150 | 25 | 26 | 4 | 220        | 500        | 25 | S123.4  | M5x0.8-25 mm | max. 5,5 Nm       |

## EFGR-WT



| Code No                 | h  | b  | L   | h1 | f  | w | min<br>Ø D | max<br>Ø D | T  | Inserts | Screw        | Tightening Torque |
|-------------------------|----|----|-----|----|----|---|------------|------------|----|---------|--------------|-------------------|
| EFGR 2525M 4D40-60.WT   | 25 | 25 | 150 | 25 | 26 | 4 | 40         | 60         | 22 | GX24    | M5x0.8-25 mm | max. 5,5 Nm       |
| EFGR 2525M 4D52-72.WT   | 25 | 25 | 150 | 25 | 26 | 4 | 52         | 72         | 25 | GX24    | M5x0.8-25 mm | max. 5,5 Nm       |
| EFGR 2525M 4D64-100.WT  | 25 | 25 | 150 | 25 | 26 | 4 | 64         | 100        | 25 | GX24    | M5x0.8-25 mm | max. 5,5 Nm       |
| EFGR 2525M 4D92-140.WT  | 25 | 25 | 150 | 25 | 26 | 4 | 92         | 140        | 25 | GX24    | M5x0.8-25 mm | max. 5,5 Nm       |
| EFGR 2525M 4D132-230.WT | 25 | 25 | 150 | 25 | 26 | 4 | 132        | 230        | 25 | GX24    | M5x0.8-25 mm | max. 5,5 Nm       |
| EFGR 2525M 4D220-500.WT | 25 | 25 | 150 | 25 | 26 | 4 | 220        | 500        | 25 | GX24    | M5x0.8-25 mm | max. 5,5 Nm       |