

(Inserts): A21-A22 (Toolholder Parts): P01-P04

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|----------------|----------------|----------|------|-----|----|----|----------------|------------|--------|--------|-------|---|--------------|
| | ϕD_{min} | ϕd | f | L | L1 | H | α° | | | | R | L | |
| S08K-STFCR/L09 | 10.5 | 8 | 5 | 125 | 23 | 7 | 15° | TC..0902.. | M2.2×6 | T6 | • | • | 226400 |
| S10K-STFCR/L09 | 13.5 | 10 | 6 | 125 | 24 | 9 | 13° | | | | • | • | 226402 |
| S12M-STFCR/L09 | 16 | 12 | 7 | 150 | 27 | 11 | 10° | | | | • | • | 226404 |
| S10K-STFCR/L11 | 13.5 | 10 | 6 | 125 | 24 | 9 | 12° | | | | • | • | 226406 |
| S12M-STFCR/L11 | 16 | 12 | 7 | 150 | 27 | 11 | 10° | TC..1102.. | M2.5×6 | T8 | • | • | 226408 |
| S14Q-STFCR/L11 | 18 | 14 | 8 | 180 | 30 | 13 | 9° | | | | • | • | 226410 |
| S16Q-STFCR/L11 | 20 | 16 | 9 | 180 | 30 | 15 | 8° | | | | • | • | 226412 |
| S20R-STFCR/L11 | 25 | 20 | 11 | 200 | 35 | 19 | 6° | | | | • | • | 226414 |
| S25S-STFCR/L11 | 31 | 25 | 13.5 | 250 | 40 | 24 | 4° | • | • | 226416 | | | |
| S20R-STFCR/L16 | 25 | 20 | 11.5 | 200 | 40 | 19 | 8° | TC..16T3.. | M4×10 | T15 | • | • | 226418 |
| S25S-STFCR/L16 | 31 | 25 | 14 | 250 | 40 | 24 | 6° | | | | • | • | 226420 |
| S32T-STFCR/L16 | 39 | 32 | 17.5 | 300 | 45 | 30 | 4° | | | | • | • | 226422 |

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

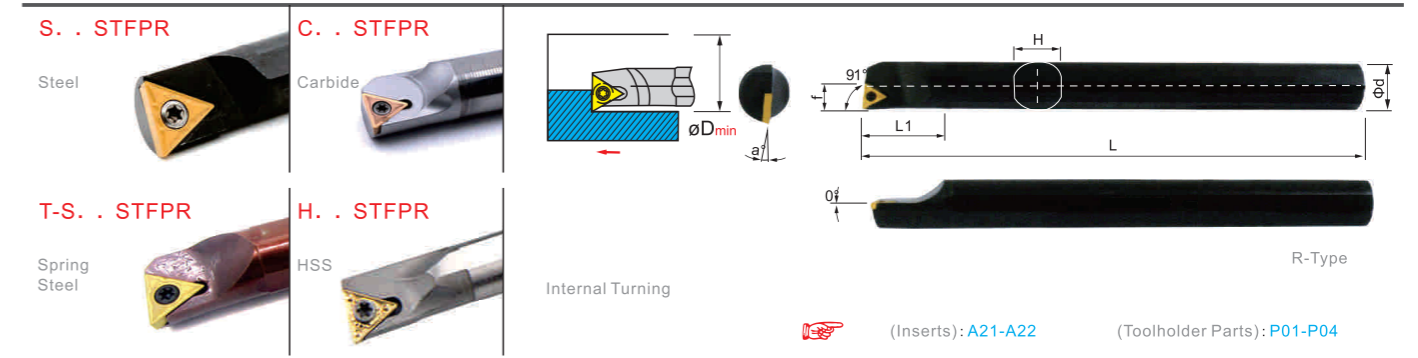
| | | | | | | | | | | | | | |
|----------------|----|----|----|-----|----|----|-----|------------|--------|--------|---|---|--------|
| C08K-STFCR/L09 | 10 | 8 | 5 | 125 | 15 | 7 | 15° | TC..0902.. | M2.2×6 | T6 | • | • | 226424 |
| C10M-STFCR/L09 | 12 | 10 | 6 | 150 | 20 | 9 | 13° | | | | • | • | 226426 |
| C12M-STFCR/L09 | 14 | 12 | 7 | 150 | 20 | 11 | 10° | | | | • | • | 226428 |
| C12Q-STFCR/L09 | 14 | 12 | 7 | 180 | 20 | 11 | 12° | | | | • | • | 226430 |
| C10M-STFCR/L11 | 12 | 10 | 6 | 150 | 20 | 9 | 10° | TC..1102.. | M2.5×6 | T8 | • | • | 226432 |
| C12M-STFCR/L11 | 14 | 12 | 7 | 150 | 20 | 11 | 9° | | | | • | • | 226434 |
| C12Q-STFCR/L11 | 14 | 12 | 7 | 180 | 20 | 11 | 8° | | | | • | • | 226436 |
| C14M-STFCR/L11 | 16 | 14 | 8 | 150 | 25 | 13 | 6° | | | | • | • | 226438 |
| C16M-STFCR/L11 | 18 | 16 | 9 | 150 | 25 | 15 | 4° | • | • | 226440 | | | |
| C16R-STFCR/L11 | 18 | 16 | 9 | 200 | 25 | 15 | 8° | • | • | 226442 | | | |
| C20R-STFCR/L11 | 22 | 20 | 11 | 200 | 30 | 19 | 6° | • | • | 226444 | | | |
| C20S-STFCR/L11 | 22 | 20 | 11 | 250 | 30 | 19 | 6° | • | • | 226446 | | | |

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

| | | | | | | | | | | | | | |
|------------------|----|----|------|-----|----|----|-----|------------|--------|--------|---|---|--------|
| T-S08K-STFCR/L09 | 10 | 8 | 5 | 125 | 23 | 7 | 15° | TC..0902.. | M2.5×6 | T8 | • | • | 226450 |
| T-S10K-STFCR/L09 | 12 | 10 | 6 | 125 | 24 | 9 | 13° | | | | • | • | 226452 |
| T-S12M-STFCR/L09 | 14 | 12 | 7 | 150 | 27 | 11 | 10° | | | | • | • | 226454 |
| T-S10K-STFCR/L11 | 12 | 10 | 6 | 125 | 24 | 9 | 12° | | | | • | • | 226456 |
| T-S12M-STFCR/L11 | 14 | 12 | 7 | 150 | 27 | 11 | 10° | TC..1102.. | M2.5×6 | T8 | • | • | 226458 |
| T-S14Q-STFCR/L11 | 16 | 14 | 8 | 180 | 30 | 13 | 9° | | | | • | • | 226460 |
| T-S16Q-STFCR/L11 | 18 | 16 | 9 | 180 | 30 | 15 | 8° | | | | • | • | 226462 |
| T-S20R-STFCR/L11 | 23 | 20 | 11 | 200 | 35 | 19 | 6° | | | | • | • | 226464 |
| T-S25S-STFCR/L11 | 28 | 25 | 13.5 | 250 | 40 | 24 | 4° | • | • | 226466 | | | |

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

| | | | | | | | | | | | | | |
|----------------|----|----|------|-----|----|----|-----|------------|--------|--------|---|---|--------|
| H08K-STFCR/L09 | 10 | 8 | 5 | 125 | 23 | 7 | 15° | TC..0902.. | M2.5×6 | T8 | • | • | 226478 |
| H10K-STFCR/L09 | 12 | 10 | 6 | 125 | 24 | 9 | 13° | | | | • | • | 226470 |
| H12M-STFCR/L09 | 14 | 12 | 7 | 150 | 27 | 11 | 10° | | | | • | • | 226471 |
| H10K-STFCR/L11 | 12 | 10 | 6 | 125 | 24 | 9 | 12° | | | | • | • | 226472 |
| H12M-STFCR/L11 | 14 | 12 | 7 | 150 | 27 | 11 | 10° | TC..1102.. | M2.5×6 | T8 | • | • | 226473 |
| H14Q-STFCR/L11 | 16 | 14 | 8 | 180 | 30 | 13 | 9° | | | | • | • | 226474 |
| H16Q-STFCR/L11 | 18 | 16 | 9 | 180 | 30 | 15 | 8° | | | | • | • | 226475 |
| H20R-STFCR/L11 | 23 | 20 | 11 | 200 | 35 | 19 | 6° | | | | • | • | 226476 |
| H25S-STFCR/L11 | 28 | 25 | 13.5 | 250 | 40 | 24 | 4° | • | • | 226478 | | | |



(Inserts): A21-A22 (Toolholder Parts): P01-P04

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|----------------|----------------|----------|------|-----|----|----|----------------|------------|--------|--------|-------|---|--------------|
| | ϕD_{min} | ϕd | f | L | L1 | H | α° | | | | R | L | |
| S08K-STFPR/L09 | 10.5 | 8 | 5.5 | 125 | 23 | 7 | 15° | TP..0902.. | M2.5×6 | T8 | • | • | 226500 |
| S10K-STFPR/L09 | 13.5 | 10 | 6.5 | 125 | 24 | 9 | 13° | | | | • | • | 226502 |
| S12M-STFPR/L09 | 16 | 12 | 7.5 | 150 | 27 | 11 | 10° | | | | • | • | 226504 |
| S10K-STFPR/L11 | 13.5 | 10 | 6.5 | 125 | 24 | 9 | 12° | | | | • | • | 226506 |
| S12M-STFPR/L11 | 16 | 12 | 7.5 | 150 | 27 | 11 | 10° | TP..1103.. | M3×8 | T10 | • | • | 226508 |
| S14Q-STFPR/L11 | 18 | 14 | 8.5 | 180 | 30 | 13 | 9° | | | | • | • | 226510 |
| S16Q-STFPR/L11 | 20 | 16 | 9.5 | 180 | 30 | 15 | 8° | | | | • | • | 226512 |
| S20R-STFPR/L11 | 25 | 20 | 11.5 | 200 | 35 | 19 | 6° | | | | • | • | 226514 |
| S25S-STFPR/L11 | 31 | 25 | 14 | 250 | 40 | 24 | 4° | • | • | 226516 | | | |
| S20R-STFPR/L16 | 25 | 20 | 12 | 200 | 40 | 19 | 8° | TP..1603.. | M4×8 | T15 | • | • | 226518 |
| S25S-STFPR/L16 | 31 | 25 | 14.5 | 250 | 40 | 24 | 6° | | | | • | • | 226520 |
| S32T-STFPR/L16 | 39 | 32 | 18 | 300 | 45 | 30 | 4° | | | | • | • | 226522 |

Carbide Steel Shock-Proof Toolholder (Shock-Proof Effect > 8 Times Toolholder Diameter)

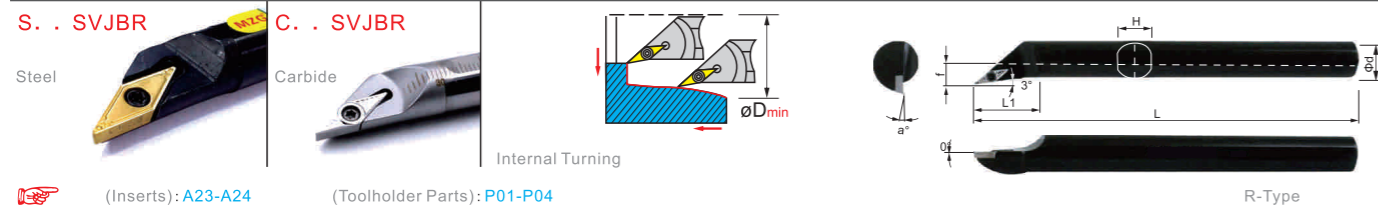
| | | | | | | | | | | | | | |
|----------------|----|----|------|-----|----|----|-----|------------|--------|--------|---|---|--------|
| C08K-STFPR/L09 | 10 | 8 | 5.5 | 125 | 15 | 7 | 15° | TP..0902.. | M2.5×6 | T8 | • | • | 226524 |
| C10M-STFPR/L09 | 12 | 10 | 6.5 | 150 | 20 | 9 | 13° | | | | • | • | 226526 |
| C12M-STFPR/L09 | 14 | 12 | 7.5 | 150 | 20 | 11 | 10° | | | | • | • | 226528 |
| C12Q-STFPR/L09 | 14 | 12 | 7.5 | 180 | 20 | 11 | 12° | | | | • | • | 226530 |
| C10M-STFPR/L11 | 12 | 10 | 6.5 | 150 | 20 | 9 | 10° | TP..1103.. | M3×8 | T10 | • | • | 226532 |
| C12M-STFPR/L11 | 14 | 12 | 7.5 | 150 | 20 | 11 | 9° | | | | • | • | 226534 |
| C12Q-STFPR/L11 | 14 | 12 | 7.5 | 180 | 20 | 11 | 8° | | | | • | • | 226536 |
| C14M-STFPR/L11 | 16 | 14 | 8.5 | 150 | 25 | 13 | 6° | | | | • | • | 226538 |
| C16M-STFPR/L11 | 18 | 16 | 9.5 | 150 | 25 | 15 | 4° | • | • | 226540 | | | |
| C16R-STFPR/L11 | 18 | 16 | 9.5 | 200 | 25 | 15 | 8° | • | • | 226542 | | | |
| C20R-STFPR/L11 | 22 | 20 | 11.5 | 200 | 30 | 19 | 6° | • | • | 226544 | | | |
| C20S-STFPR/L11 | 22 | 20 | 11.5 | 250 | 30 | 19 | 6° | • | • | 226546 | | | |
| C25S-STFPR/L16 | 32 | 25 | 16 | 250 | 35 | 24 | 4° | TP..1603.. | M4×8 | T15 | • | • | 226548 |

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

| | | | | | | | | | | | | | |
|------------------|----|----|------|-----|----|----|-----|------------|--------|--------|---|---|--------|
| T-S08K-STFPR/L09 | 10 | 8 | 5 | 125 | 23 | 7 | 15° | TP..0902.. | M2.5×6 | T8 | • | • | 226558 |
| T-S10K-STFPR/L09 | 12 | 10 | 6 | 125 | 24 | 9 | 13° | | | | • | • | 226559 |
| T-S12M-STFPR/L09 | 14 | 12 | 7 | 150 | 27 | 11 | 10° | | | | • | • | 226560 |
| T-S10K-STFPR/L11 | 12 | 10 | 6 | 125 | 24 | 9 | 12° | | | | • | • | 226561 |
| T-S12M-STFPR/L11 | 14 | 12 | 7 | 150 | 27 | 11 | 10° | TP..1103.. | M3×8 | T10 | • | • | 226562 |
| T-S14Q-STFPR/L11 | 16 | 14 | 8 | 180 | 30 | 13 | 9° | | | | • | • | 226563 |
| T-S16Q-STFPR/L11 | 18 | 16 | 9 | 180 | 30 | 15 | 8° | | | | • | • | 226564 |
| T-S20R-STFPR/L11 | 23 | 20 | 11 | 200 | 35 | 19 | 6° | | | | • | • | 226565 |
| T-S25S-STFPR/L11 | 28 | 25 | 13.5 | 250 | 40 | 24 | 4° | • | • | 226566 | | | |

High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter)

| | | | | | | | | | | | | | |
|----------------|----|----|------|-----|----|----|-----|------------|--------|--------|---|---|--------|
| H08K-STFPR/L09 | 10 | 8 | 5 | 125 | 23 | 7 | 15° | TP..0902.. | M2.5×6 | T8 | • | • | 226578 |
| H10K-STFPR/L09 | 12 | 10 | 6 | 125 | 24 | 9 | 13° | | | | • | • | 226580 |
| H12M-STFPR/L09 | 14 | 12 | 7 | 150 | 27 | 11 | 10° | | | | • | • | 226581 |
| H10K-STFPR/L11 | 12 | 10 | 6 | 125 | 24 | 9 | 12° | | | | • | • | 226582 |
| H12M-STFPR/L11 | 14 | 12 | 7 | 150 | 27 | 11 | 10° | TP..1103.. | M3×8 | T10 | • | • | 226583 |
| H14Q-STFPR/L11 | 16 | 14 | 8 | 180 | 30 | 13 | 9° | | | | • | • | 226584 |
| H16Q-STFPR/L11 | 18 | 16 | 9 | 180 | 30 | 15 | 8° | | | | • | • | 226585 |
| H20R-STFPR/L11 | 23 | 20 | 11 | 200 | 35 | 19 | 6° | | | | • | • | 226586 |
| H25S-STFPR/L11 | 28 | 25 | 13.5 | 250 | 40 | 24 | 4° | • | • | 226588 | | | |

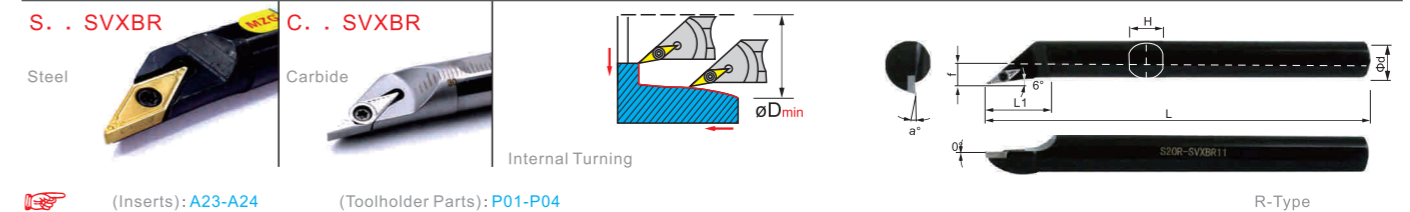


(Inserts): A23-A24 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|----------------|----------------|------------|------|-----|----|----|----------------|------------|--------|--------|-------|---|--------------|
| | δ_{min} | δd | f | L | L1 | H | α° | | | | R | L | |
| S08H-SVJBR/L08 | 10 | 8 | 5 | 100 | 20 | 7 | 15° | VB..0802.. | M2×4 | T6 | ● | ● | 227120 |
| S10K-SVJBR/L08 | 12 | 10 | 6 | 125 | 25 | 9 | 15° | | | | ● | ● | 227122 |
| S10K-SVJBR/L11 | 12 | 10 | 6 | 125 | 25 | 9 | 12° | | | | ● | ● | 227124 |
| S12M-SVJBR/L11 | 14 | 12 | 7 | 150 | 30 | 11 | 12° | | | | ● | ● | 227126 |
| S16Q-SVJBR/L11 | 22 | 16 | 11.5 | 180 | 40 | 15 | 10° | VB..1103.. | M2.5×7 | T8 | ● | ● | 227128 |
| S20R-SVJBR/L11 | 27 | 20 | 13.5 | 200 | 45 | 19 | 8° | | | | ● | ● | 227130 |
| S20R-SVJBR/L16 | 27 | 20 | 13.5 | 200 | 50 | 19 | 10° | | | | ● | ● | 227132 |
| S25S-SVJBR/L16 | 32 | 25 | 16 | 250 | 50 | 24 | 8° | | | | ● | ● | 227134 |
| S32T-SVJBR/L16 | 40 | 32 | 19.5 | 300 | 60 | 30 | 10° | VB..1604.. | M4×10 | T15 | ● | ● | 227136 |
| S40T-SVJBR/L16 | 50 | 40 | 23.5 | 300 | 65 | 38 | 8° | | | | ● | ● | 227138 |

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

| | | | | | | | | | | | | | |
|----------------|-----|----|------|-----|----|----|-----|------------|--------|----|------------|-------|--------|
| C06J-SVJBR/L08 | 8.5 | 6 | 3.25 | 110 | 15 | 5 | 15° | VB..0802.. | M2×4 | T6 | ● | ● | 227142 |
| C08K-SVJBR/L08 | 10 | 8 | 5 | 125 | 15 | 7 | 15° | | | | ● | ● | 227144 |
| C10M-SVJBR/L08 | 12 | 10 | 6 | 150 | 20 | 9 | 15° | | | | ● | ● | 227146 |
| C10M-SVJBR/L11 | 12 | 10 | 6 | 150 | 20 | 9 | 12° | VB..1103.. | M2.5×7 | T8 | ● | ● | 227148 |
| C12M-SVJBR/L11 | 14 | 12 | 7 | 150 | 20 | 11 | 12° | | | | ● | ● | 227150 |
| C12Q-SVJBR/L11 | 14 | 12 | 7 | 180 | 20 | 11 | 12° | | | | ● | ● | 227152 |
| C16R-SVJBR/L11 | 18 | 16 | 9 | 200 | 25 | 15 | 10° | | | | ● | ● | 227154 |
| C20R-SVJBR/L11 | 22 | 20 | 11 | 200 | 30 | 19 | 8° | | | | ● | ● | 227156 |
| C20S-SVJBR/L11 | 22 | 20 | 11 | 250 | 30 | 19 | 10° | | | | ● | ● | 227158 |
| C25S-SVJBR/L16 | 28 | 25 | 14 | 200 | 35 | 24 | 8° | | | | VB..1604.. | M4×10 | T15 |

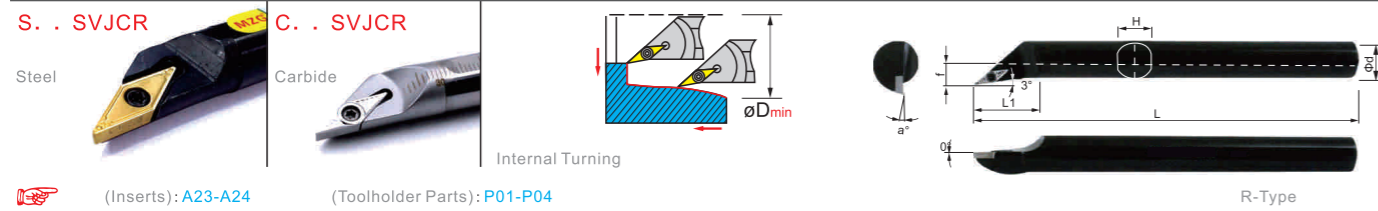


(Inserts): A23-A24 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|----------------|----------------|------------|------|-----|----|----|----------------|------------|--------|--------|-------|---|--------------|
| | δ_{min} | δd | f | L | L1 | H | α° | | | | R | L | |
| S08H-SVXBR/L08 | 10 | 8 | 5 | 100 | 20 | 7 | 15° | VB..0802.. | M2×4 | T6 | ● | ● | 227200 |
| S10K-SVXBR/L08 | 12 | 10 | 6 | 125 | 25 | 9 | 15° | | | | ● | ● | 227202 |
| S10K-SVXBR/L11 | 12 | 10 | 6 | 125 | 25 | 9 | 12° | | | | ● | ● | 227204 |
| S12M-SVXBR/L11 | 14 | 12 | 7 | 150 | 30 | 11 | 12° | | | | ● | ● | 227206 |
| S16Q-SVXBR/L11 | 22 | 16 | 11.5 | 180 | 40 | 15 | 10° | VB..1103.. | M2.5×7 | T8 | ● | ● | 227208 |
| S20R-SVXBR/L11 | 27 | 20 | 13.5 | 200 | 45 | 19 | 8° | | | | ● | ● | 227210 |
| S20R-SVXBR/L16 | 27 | 20 | 13.5 | 200 | 50 | 19 | 10° | | | | ● | ● | 227212 |
| S25S-SVXBR/L16 | 32 | 25 | 16 | 250 | 50 | 24 | 8° | | | | ● | ● | 227214 |
| S32T-SVXBR/L16 | 40 | 32 | 19.5 | 300 | 60 | 30 | 10° | VB..1604.. | M4×10 | T15 | ● | ● | 227216 |
| S40T-SVXBR/L16 | 50 | 40 | 23.5 | 300 | 65 | 38 | 8° | | | | ● | ● | 227218 |

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

| | | | | | | | | | | | | | |
|----------------|-----|----|------|-----|----|----|-----|------------|--------|----|------------|-------|--------|
| C06J-SVXBR/L08 | 8.5 | 6 | 3.25 | 110 | 15 | 5 | 15° | VB..0802.. | M2×4 | T6 | ● | ● | 227222 |
| C08K-SVXBR/L08 | 10 | 8 | 5 | 125 | 15 | 7 | 15° | | | | ● | ● | 227224 |
| C10M-SVXBR/L08 | 12 | 10 | 6 | 150 | 20 | 9 | 15° | | | | ● | ● | 227226 |
| C10M-SVXBR/L11 | 12 | 10 | 6 | 150 | 20 | 9 | 12° | VB..1103.. | M2.5×7 | T8 | ● | ● | 227228 |
| C12M-SVXBR/L11 | 14 | 12 | 7 | 150 | 20 | 11 | 12° | | | | ● | ● | 227230 |
| C12Q-SVXBR/L11 | 14 | 12 | 7 | 180 | 20 | 11 | 12° | | | | ● | ● | 227232 |
| C16R-SVXBR/L11 | 18 | 16 | 9 | 200 | 25 | 15 | 10° | | | | ● | ● | 227234 |
| C20R-SVXBR/L11 | 22 | 20 | 11 | 200 | 30 | 19 | 8° | | | | ● | ● | 227236 |
| C20S-SVXBR/L11 | 22 | 20 | 11 | 250 | 30 | 19 | 10° | | | | ● | ● | 227238 |
| C25S-SVXBR/L16 | 28 | 25 | 14 | 200 | 35 | 24 | 8° | | | | VB..1604.. | M4×10 | T15 |

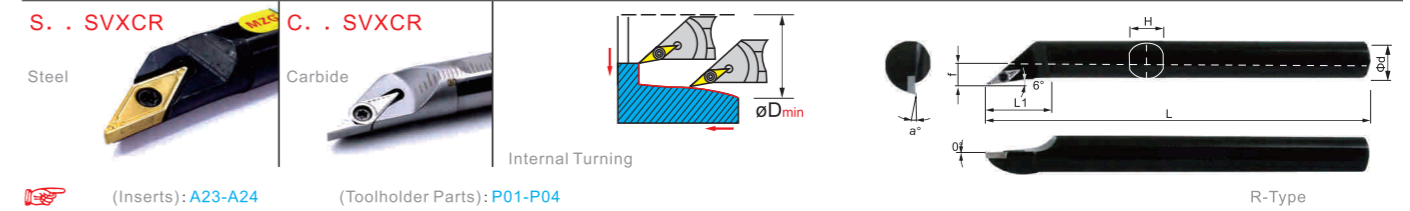


(Inserts): A23-A24 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|----------------|----------------|------------|------|-----|----|----|----------------|------------|--------|--------|-------|---|--------------|
| | δ_{min} | δd | f | L | L1 | H | α° | | | | R | L | |
| S08H-SVJCR/L08 | 10 | 8 | 5 | 100 | 20 | 7 | 15° | VC..0802.. | M2×4 | T6 | ● | ● | 227162 |
| S10K-SVJCR/L08 | 12 | 10 | 6 | 125 | 25 | 9 | 15° | | | | ● | ● | 227164 |
| S10K-SVJCR/L11 | 12 | 10 | 6 | 125 | 25 | 9 | 12° | | | | ● | ● | 227166 |
| S12M-SVJCR/L11 | 14 | 12 | 7 | 150 | 30 | 11 | 12° | | | | ● | ● | 227168 |
| S16Q-SVJCR/L11 | 22 | 16 | 11.5 | 180 | 40 | 15 | 10° | VC..1103.. | M2.5×7 | T8 | ● | ● | 227170 |
| S20R-SVJCR/L11 | 27 | 20 | 13.5 | 200 | 45 | 19 | 8° | | | | ● | ● | 227172 |
| S20R-SVJCR/L16 | 27 | 20 | 13.5 | 200 | 50 | 19 | 10° | | | | ● | ● | 227174 |
| S25S-SVJCR/L16 | 32 | 25 | 16 | 250 | 50 | 24 | 8° | | | | ● | ● | 227176 |
| S32T-SVJCR/L16 | 40 | 32 | 19.5 | 300 | 60 | 30 | 10° | VC..1604.. | M4×10 | T15 | ● | ● | 227178 |
| S40T-SVJCR/L16 | 50 | 40 | 23.5 | 300 | 65 | 38 | 8° | | | | ● | ● | 227180 |

Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

| | | | | | | | | | | | | | |
|----------------|-----|----|------|-----|----|----|-----|------------|--------|----|------------|-------|--------|
| C06J-SVJCR/L08 | 8.5 | 6 | 3.25 | 110 | 15 | 5 | 15° | VC..0802.. | M2×4 | T6 | ● | ● | 227182 |
| C08K-SVJCR/L08 | 10 | 8 | 5 | 125 | 15 | 7 | 15° | | | | ● | ● | 227184 |
| C10M-SVJCR/L08 | 12 | 10 | 6 | 150 | 20 | 9 | 15° | | | | ● | ● | 227186 |
| C10M-SVJCR/L11 | 12 | 10 | 6 | 150 | 20 | 9 | 12° | VC..1103.. | M2.5×7 | T8 | ● | ● | 227188 |
| C12M-SVJCR/L11 | 14 | 12 | 7 | 150 | 20 | 11 | 12° | | | | ● | ● | 227190 |
| C12Q-SVJCR/L11 | 14 | 12 | 7 | 180 | 20 | 11 | 12° | | | | ● | ● | 227192 |
| C16R-SVJCR/L11 | 18 | 16 | 9 | 200 | 25 | 15 | 10° | | | | ● | ● | 227194 |
| C20R-SVJCR/L11 | 22 | 20 | 11 | 200 | 30 | 19 | 8° | | | | ● | ● | 227196 |
| C20S-SVJCR/L11 | 22 | 20 | 11 | 250 | 30 | 19 | 10° | | | | ● | ● | 227198 |
| C25S-SVJCR/L16 | 28 | 25 | 14 | 200 | 35 | 24 | 8° | | | | VC..1604.. | M4×10 | T15 |

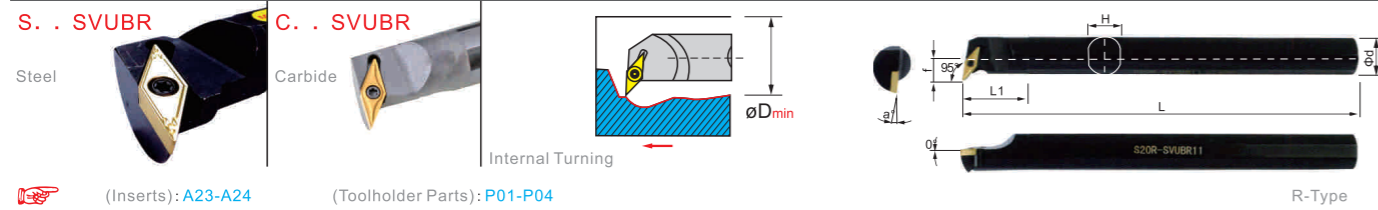


(Inserts): A23-A24 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|----------------|----------------|------------|------|-----|----|----|----------------|------------|--------|--------|-------|---|--------------|
| | δ_{min} | δd | f | L | L1 | H | α° | | | | R | L | |
| S08H-SVXCR/L08 | 10 | 8 | 5 | 100 | 20 | 7 | 15° | VC..0802.. | M2×4 | T6 | ● | ● | 227250 |
| S10K-SVXCR/L08 | 12 | 10 | 6 | 125 | 25 | 9 | 15° | | | | ● | ● | 227252 |
| S10K-SVXCR/L11 | 12 | 10 | 6 | 125 | 25 | 9 | 12° | | | | ● | ● | 227254 |
| S12M-SVXCR/L11 | 14 | 12 | 7 | 150 | 30 | 11 | 12° | | | | ● | ● | 227256 |
| S16Q-SVXCR/L11 | 22 | 16 | 11.5 | 180 | 40 | 15 | 10° | VC..1103.. | M2.5×7 | T8 | ● | ● | 227258 |
| S20R-SVXCR/L11 | 27 | 20 | 13.5 | 200 | 45 | 19 | 8° | | | | ● | ● | 227260 |
| S20R-SVXCR/L16 | 27 | 20 | 13.5 | 200 | 50 | 19 | 10° | | | | ● | ● | 227262 |
| S25S-SVXCR/L16 | 32 | 25 | 16 | 250 | 50 | 24 | 8° | | | | ● | ● | 227264 |
| S32T-SVXCR/L16 | 40 | 32 | 19.5 | 300 | 60 | 30 | 10° | VC..1604.. | M4×10 | T15 | ● | ● | 227266 |
| S40T-SVXCR/L16 | 50 | 40 | 23.5 | 300 | 65 | 38 | 8° | | | | ● | ● | 227268 |

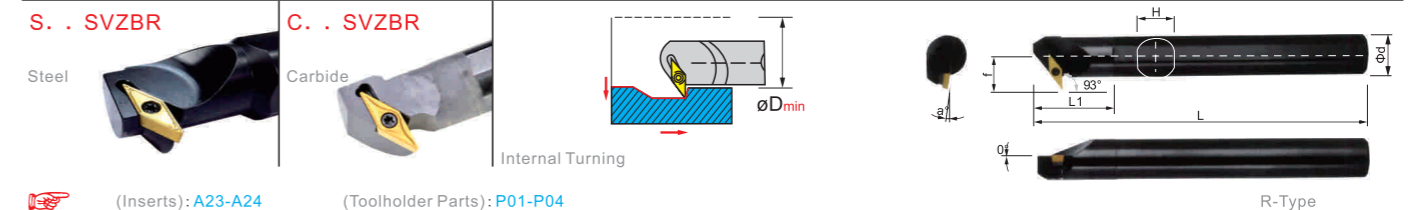
Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter)

| | | | | | | | | | | | | | |
|----------------|-----|----|------|-----|----|----|-----|------------|--------|----|------------|-------|--------|
| C06J-SVXCR/L08 | 8.5 | 6 | 3.25 | 110 | 15 | 5 | 15° | VC..0802.. | M2×4 | T6 | ● | ● | 227272 |
| C08K-SVXCR/L08 | 10 | 8 | 5 | 125 | 15 | 7 | 15° | | | | ● | ● | 227274 |
| C10M-SVXCR/L08 | 12 | 10 | 6 | 150 | 20 | 9 | 15° | | | | ● | ● | 227276 |
| C10M-SVXCR/L11 | 12 | 10 | 6 | 150 | 20 | 9 | 12° | VC..1103.. | M2.5×7 | T8 | ● | ● | 227278 |
| C12M-SVXCR/L11 | 14 | 12 | 7 | 150 | 20 | 11 | 12° | | | | ● | ● | 227280 |
| C12Q-SVXCR/L11 | 14 | 12 | 7 | 180 | 20 | 11 | 12° | | | | ● | ● | 227282 |
| C16R-SVXCR/L11 | 18 | 16 | 9 | 200 | 25 | 15 | 10° | | | | ● | ● | 227284 |
| C20R-SVXCR/L11 | 22 | 20 | 11 | 200 | 30 | 19 | 8° | | | | ● | ● | 227286 |
| C20S-SVXCR/L11 | 22 | 20 | 11 | 250 | 30 | 19 | 10° | | | | ● | ● | 227288 |
| C25S-SVXCR/L16 | 28 | 25 | 14 | 200 | 35 | 24 | 8° | | | | VC..1604.. | M4×10 | T15 |



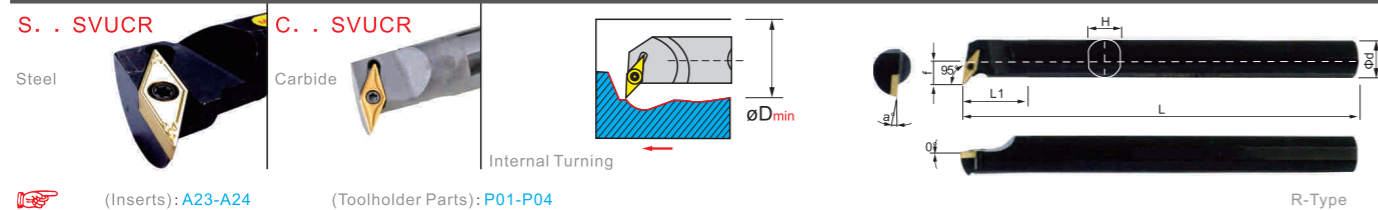
(Inserts): A23-A24 (Toolholder Parts): P01-P04

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|--|----------------|------------|------|-----|----|----|------------------|------------|--------|--------|-------|---|--------------|
| | δ_{min} | δd | f | L | L1 | H | α° | | | | R | L | |
| S16Q-SVUBR/L11 | 22 | 16 | 12.5 | 180 | 30 | 15 | 10° | VB..1103.. | M2.5×7 | T8 | ● | ● | 227000 |
| S20R-SVUBR/L11 | 27 | 20 | 14 | 200 | 32 | 19 | 8° | | | | ● | ● | 227002 |
| S20R-SVUBR/L16 | 31 | 20 | 20 | 200 | 50 | 19 | 10° | | | | ● | ● | 227004 |
| S25S-SVUBR/L16 | 35 | 25 | 20 | 250 | 50 | 24 | 8° | | | | ● | ● | 227006 |
| S32T-SVUBR/L16 | 42 | 32 | 22.5 | 300 | 50 | 30 | 6° | VB..1604.. | M4×10 | T15 | ● | ● | 227008 |
| S40T-SVUBR/L16 | 51 | 40 | 27 | 300 | 55 | 38 | 6° | | | | ● | ● | 227010 |
| Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter) | | | | | | | | | | | | | |
| C16R-SVUBR/L11 | 22 | 16 | 13 | 200 | 25 | 15 | 10° | VB..1103.. | M2.5×7 | T8 | ● | ● | 227014 |
| C20R-SVUBR/L11 | 27 | 20 | 15 | 200 | 30 | 19 | 8° | | | | ● | ● | 227016 |
| C20S-SVUBR/L11 | 27 | 20 | 15 | 250 | 30 | 19 | 8° | | | | ● | ● | 227018 |
| C20R-SVUBR/L16 | 31 | 20 | 19 | 200 | 30 | 19 | 10° | VB..1604.. | M4×10 | T15 | ● | ● | 227020 |
| C20S-SVUBR/L16 | 31 | 20 | 19 | 250 | 30 | 19 | 8° | | | | ● | ● | 227022 |
| C25R-SVUBR/L16 | 35 | 25 | 20 | 200 | 35 | 24 | 8° | | | | ● | ● | 227024 |
| C25S-SVUBR/L16 | 35 | 25 | 20 | 250 | 35 | 24 | 8° | | | | ● | ● | 227026 |



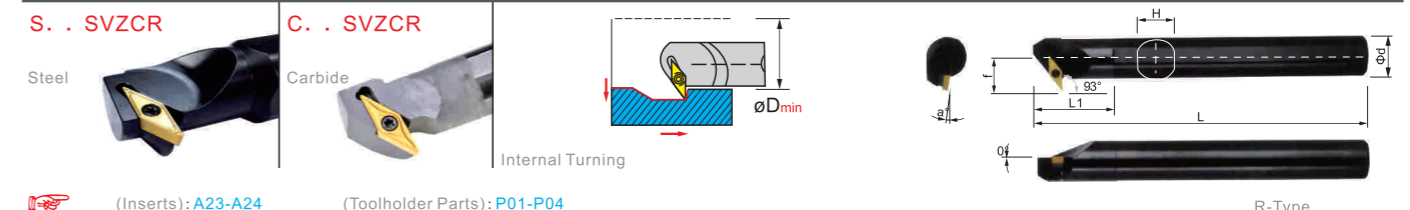
(Inserts): A23-A24 (Toolholder Parts): P01-P04

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|--|----------------|------------|------|-----|----|----|------------------|------------|--------|--------|-------|---|--------------|
| | δ_{min} | δd | f | L | L1 | H | α° | | | | R | L | |
| S16Q-SVZBR/L11 | 22 | 16 | 11.5 | 180 | 34 | 15 | 10° | VB..1103.. | M2.5×7 | T8 | ● | ● | 227300 |
| S20R-SVZBR/L11 | 27 | 20 | 14 | 200 | 38 | 19 | 8° | | | | ● | ● | 227302 |
| S25S-SVZBR/L16 | 34 | 25 | 19.5 | 250 | 50 | 20 | 8° | | | | ● | ● | 227304 |
| S32T-SVZBR/L16 | 42 | 32 | 23.5 | 300 | 50 | 30 | 10° | | | | ● | ● | 227306 |
| S40T-SVZBR/L16 | 50 | 40 | 27 | 300 | 60 | 38 | 8° | VB..1604.. | M4×10 | T15 | ● | ● | 227308 |
| Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter) | | | | | | | | | | | | | |
| C16R-SVZBR/L11 | 22 | 16 | 11.5 | 200 | 25 | 15 | 10° | VB..1103.. | M2.5×7 | T8 | ● | ● | 227312 |
| C20R-SVZBR/L11 | 27 | 20 | 14 | 200 | 30 | 19 | 8° | | | | ● | ● | 227314 |
| C20S-SVZBR/L11 | 27 | 20 | 14 | 250 | 30 | 19 | 8° | | | | ● | ● | 227316 |
| C20R-SVZBR/L16 | 27 | 20 | 14 | 200 | 30 | 19 | 10° | VB..1604.. | M4×10 | T15 | ● | ● | 227318 |
| C20S-SVZBR/L16 | 27 | 20 | 14 | 250 | 30 | 19 | 10° | | | | ● | ● | 227320 |
| C25R-SVZBR/L16 | 34 | 25 | 19.5 | 200 | 35 | 24 | 8° | | | | ● | ● | 227322 |
| C25S-SVZBR/L16 | 34 | 25 | 19.5 | 250 | 35 | 24 | 8° | | | | ● | ● | 227324 |



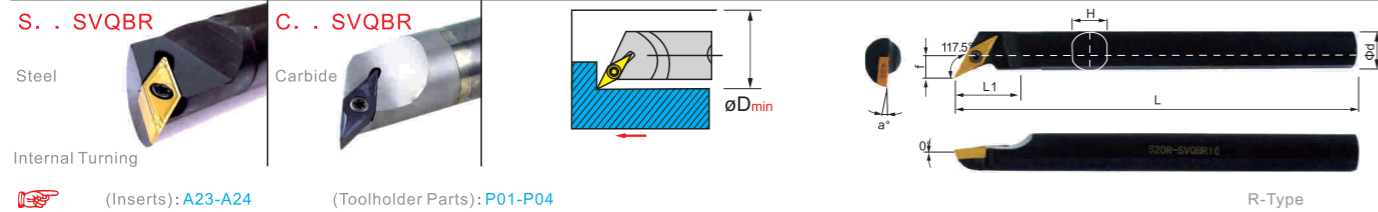
(Inserts): A23-A24 (Toolholder Parts): P01-P04

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|--|----------------|------------|------|-----|----|----|------------------|------------|--------|--------|-------|---|--------------|
| | δ_{min} | δd | f | L | L1 | H | α° | | | | R | L | |
| S16Q-SVUCR/L11 | 22 | 16 | 12.5 | 180 | 30 | 15 | 10° | VC..1103.. | M2.5×7 | T8 | ● | ● | 227050 |
| S20R-SVUCR/L11 | 27 | 20 | 14 | 200 | 32 | 19 | 8° | | | | ● | ● | 227052 |
| S20R-SVUCR/L16 | 31 | 20 | 20 | 200 | 50 | 19 | 10° | | | | ● | ● | 227054 |
| S25S-SVUCR/L16 | 35 | 25 | 20 | 250 | 50 | 24 | 8° | | | | ● | ● | 227056 |
| S32T-SVUCR/L16 | 42 | 32 | 22.5 | 300 | 50 | 30 | 6° | VC..1604.. | M4×10 | T15 | ● | ● | 227058 |
| S40T-SVUCR/L16 | 51 | 40 | 27 | 300 | 55 | 38 | 6° | | | | ● | ● | 227060 |
| Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter) | | | | | | | | | | | | | |
| C16R-SVUCR/L11 | 22 | 16 | 13 | 200 | 25 | 15 | 10° | VC..1103.. | M2.5×7 | T8 | ● | ● | 227062 |
| C20R-SVUCR/L11 | 27 | 20 | 15 | 200 | 30 | 19 | 8° | | | | ● | ● | 227066 |
| C20S-SVUCR/L11 | 27 | 20 | 15 | 250 | 30 | 19 | 8° | | | | ● | ● | 227068 |
| C20R-SVUCR/L16 | 31 | 20 | 19 | 200 | 30 | 19 | 10° | VC..1604.. | M4×10 | T15 | ● | ● | 227070 |
| C20S-SVUCR/L16 | 31 | 20 | 19 | 250 | 30 | 19 | 8° | | | | ● | ● | 227072 |
| C25R-SVUCR/L16 | 35 | 25 | 20 | 200 | 35 | 24 | 8° | | | | ● | ● | 227074 |
| C25S-SVUCR/L16 | 35 | 25 | 20 | 250 | 35 | 24 | 8° | | | | ● | ● | 227076 |



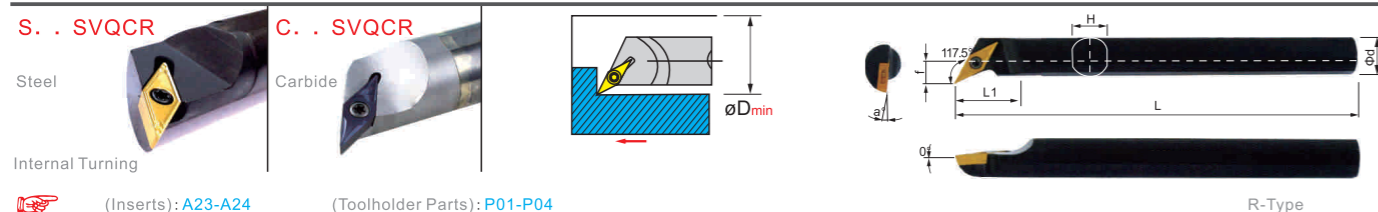
(Inserts): A23-A24 (Toolholder Parts): P01-P04

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|--|----------------|------------|------|-----|----|----|------------------|------------|--------|--------|-------|---|--------------|
| | δ_{min} | δd | f | L | L1 | H | α° | | | | R | L | |
| S16Q-SVZCR/L11 | 22 | 16 | 11.5 | 180 | 34 | 15 | 10° | VC..1103.. | M2.5×7 | T8 | ● | ● | 227350 |
| S20R-SVZCR/L11 | 27 | 20 | 14 | 200 | 38 | 19 | 8° | | | | ● | ● | 227352 |
| S25S-SVZCR/L16 | 34 | 25 | 19.5 | 250 | 50 | 20 | 8° | | | | ● | ● | 227354 |
| S32T-SVZCR/L16 | 42 | 32 | 23.5 | 300 | 50 | 30 | 10° | | | | ● | ● | 227356 |
| S40T-SVZCR/L16 | 50 | 40 | 27 | 300 | 60 | 38 | 8° | VC..1604.. | M4×10 | T15 | ● | ● | 227358 |
| Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter) | | | | | | | | | | | | | |
| C16R-SVZCR/L11 | 22 | 16 | 11.5 | 200 | 25 | 15 | 10° | VC..1103.. | M2.5×7 | T8 | ● | ● | 227362 |
| C20R-SVZCR/L11 | 27 | 20 | 14 | 200 | 30 | 19 | 8° | | | | ● | ● | 227364 |
| C20S-SVZCR/L11 | 27 | 20 | 14 | 250 | 30 | 19 | 8° | | | | ● | ● | 227366 |
| C20R-SVZCR/L16 | 27 | 20 | 14 | 200 | 30 | 19 | 10° | VC..1604.. | M4×10 | T15 | ● | ● | 227368 |
| C20S-SVZCR/L16 | 27 | 20 | 14 | 250 | 30 | 19 | 10° | | | | ● | ● | 227370 |
| C25R-SVZCR/L16 | 34 | 25 | 19.5 | 200 | 35 | 24 | 8° | | | | ● | ● | 227372 |
| C25S-SVZCR/L16 | 34 | 25 | 19.5 | 250 | 35 | 24 | 8° | | | | ● | ● | 227374 |



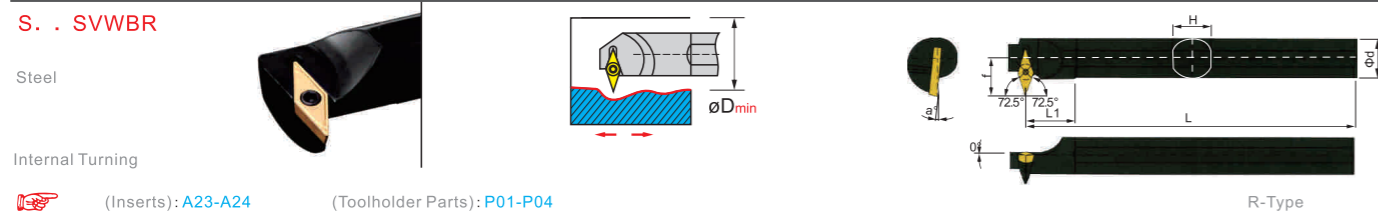
(Inserts): A23-A24 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|--|-------------------|----|------|-----|----|----|-----|------------|--------|--------|-------|---|--------------|
| | øD _{min} | ød | f | L | L1 | H | α° | | | | R | L | |
| S16Q-SVQBR/L11 | 22 | 16 | 11.5 | 180 | 35 | 15 | 10° | VB..1103.. | M2.5×7 | T8 | ● | ● | 226900 |
| S20R-SVQBR/L11 | 27 | 20 | 14 | 200 | 39 | 19 | 8° | | | | ● | ● | 226902 |
| S20R-SVQBR/L16 | 27 | 20 | 14 | 200 | 50 | 19 | 10° | | | | ● | ● | 226904 |
| S25S-SVQBR/L16 | 32 | 25 | 16.5 | 250 | 50 | 24 | 8° | | | | ● | ● | 226906 |
| S32T-SVQBR/L16 | 41 | 32 | 22.5 | 300 | 55 | 30 | 10° | VB..1604.. | M4×10 | T15 | ● | ● | 226908 |
| S40T-SVQBR/L16 | 50 | 40 | 27 | 300 | 55 | 38 | 8° | | | | ● | ● | 226910 |
| Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter) | | | | | | | | | | | | | |
| C16R-SVQBR/L11 | 22 | 16 | 11.5 | 200 | 25 | 15 | 10° | VB..1103.. | M2.5×7 | T8 | ● | ● | 226914 |
| C20R-SVQBR/L11 | 27 | 20 | 14 | 200 | 30 | 19 | 8° | | | | ● | ● | 226916 |



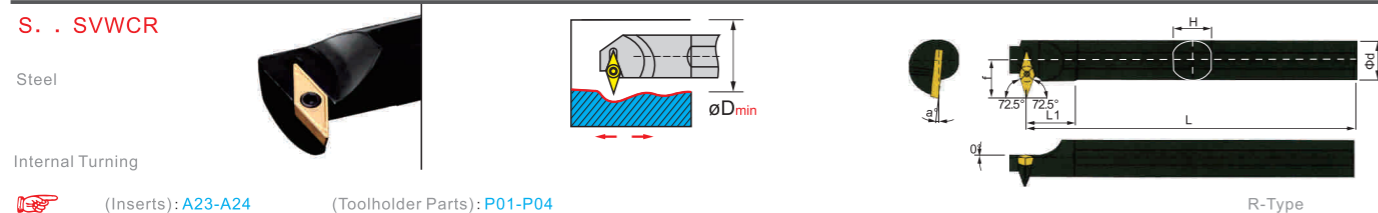
(Inserts): A23-A24 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|--|-------------------|----|------|-----|----|----|-----|------------|--------|--------|-------|---|--------------|
| | øD _{min} | ød | f | L | L1 | H | α° | | | | R | L | |
| S16Q-SVQCR/L11 | 22 | 16 | 11.5 | 180 | 35 | 15 | 10° | VC..1103.. | M2.5×7 | T8 | ● | ● | 226950 |
| S20R-SVQCR/L11 | 27 | 20 | 14 | 200 | 39 | 19 | 8° | | | | ● | ● | 226952 |
| S20R-SVQCR/L16 | 27 | 20 | 14 | 200 | 50 | 19 | 10° | | | | ● | ● | 226954 |
| S25S-SVQCR/L16 | 32 | 25 | 16.5 | 250 | 50 | 24 | 8° | | | | ● | ● | 226956 |
| S32T-SVQCR/L16 | 41 | 32 | 22.5 | 300 | 55 | 30 | 10° | VC..1604.. | M4×10 | T15 | ● | ● | 226958 |
| S40T-SVQCR/L16 | 50 | 40 | 27 | 300 | 55 | 38 | 8° | | | | ● | ● | 226960 |
| Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter) | | | | | | | | | | | | | |
| C16R-SVQCR/L11 | 22 | 16 | 11.5 | 200 | 25 | 15 | 10° | VC..1103.. | M2.5×7 | T8 | ● | ● | 226964 |
| C20R-SVQCR/L11 | 27 | 20 | 14 | 200 | 30 | 19 | 8° | | | | ● | ● | 226966 |



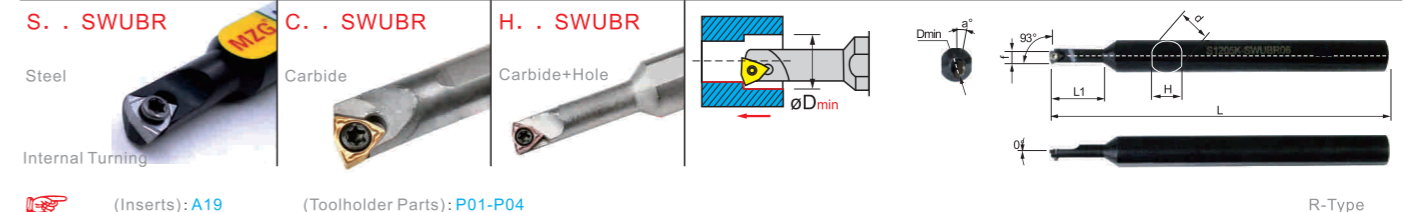
(Inserts): A23-A24 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|----------------|-------------------|----|----|-----|----|----|----|------------|-------|--------|-------|---|--------------|
| | øD _{min} | ød | f | L | L1 | H | α° | | | | R | L | |
| S25S-SVWBR/L16 | 38 | 25 | 23 | 250 | 33 | 24 | 6° | VB..1604.. | M4×10 | T15 | ● | ● | 227100 |
| S32T-SVWBR/L16 | 45 | 32 | 26 | 300 | 41 | 30 | 6° | | | | ● | ● | 227102 |



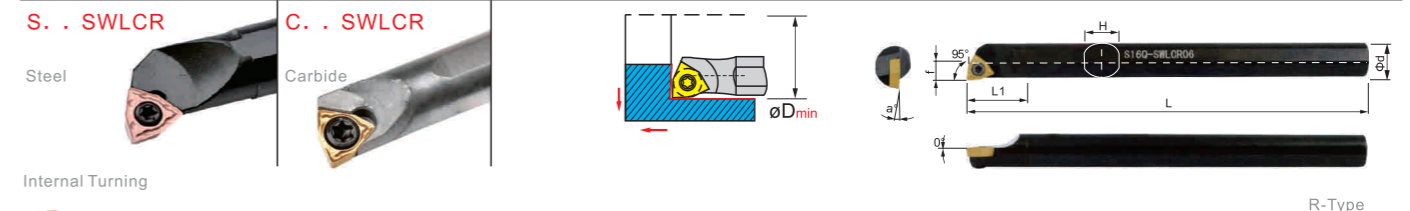
(Inserts): A23-A24 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|----------------|-------------------|----|----|-----|----|----|----|------------|-------|--------|-------|---|--------------|
| | øD _{min} | ød | f | L | L1 | H | α° | | | | R | L | |
| S25S-SVWCR/L16 | 38 | 25 | 23 | 250 | 33 | 24 | 6° | VC..1604.. | M4×10 | T15 | ● | ● | 227110 |
| S32T-SVWCR/L16 | 45 | 32 | 26 | 300 | 41 | 30 | 6° | | | | ● | ● | 227112 |



(Inserts): A19 (Toolholder Parts): P01-P04 R-Type

| 刀把型号 Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number | | | |
|--|-------------------|----|-----|-----|----|-----|-----|------------|-------|--------|------------|------|--------------|---|---|--------|
| | øD _{min} | ød | f | L | L1 | H | α° | | | | R | L | | | | |
| S06H-SWUBR/L06 | 7 | 6 | 3.5 | 100 | 16 | 5.4 | 15° | WB..0601.. | M2×4 | T6 | ● | ● | 227510 | | | |
| S0705H-SWUBR/L06 | 6 | 7 | 3 | 100 | 16 | 6 | 15° | | | | ● | ● | 227512 | | | |
| S0805H-SWUBR/L06 | 6 | 8 | 3 | 100 | 16 | 7 | 15° | | | | ● | ● | 227500 | | | |
| S1005K-SWUBR/L06 | 6 | 10 | 3 | 125 | 16 | 9 | 15° | | | | ● | ● | 227514 | | | |
| S1205K-SWUBR/L06 | 6 | 12 | 3 | 125 | 20 | 11 | 15° | | | | ● | ● | 227516 | | | |
| S1605H-SWUBR/L06 | 6 | 16 | 3 | 125 | 20 | 15 | 15° | | | | ● | ● | 227518 | | | |
| S0806J-SWUBR/L06 | 7 | 8 | 3.5 | 110 | 20 | 7 | 15° | | | | ● | ● | 227520 | | | |
| S1006K-SWUBR/L06 | 7 | 10 | 3.5 | 125 | 20 | 9 | 12° | | | | ● | ● | 227502 | | | |
| S1207K-SWUBR/L06 | 8 | 12 | 4 | 125 | 25 | 11 | 12° | | | | ● | ● | 227504 | | | |
| S1607M-SWUBR/L06 | 8 | 16 | 4 | 150 | 25 | 15 | 12° | | | | ● | ● | 227506 | | | |
| Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter) | | | | | | | | | | | | | | | | |
| C04G-SWUBR/L06 | 5 | 4 | 2.6 | 90 | 15 | 3.6 | 15° | | | | WB..0601.. | M2×4 | T6 | ● | ● | 227530 |
| C05H-SWUBR/L06 | 6 | 5 | 3 | 100 | 15 | 4.5 | 15° | | | | | | | ● | ● | 227532 |
| C06J-SWUBR/L06 | 7 | 6 | 3.5 | 110 | 15 | 5.5 | 12° | | | | | | | ● | ● | 227536 |
| C07K-SWUBR/L06 | 8 | 7 | 4 | 125 | 15 | 6 | 12° | ● | ● | 227538 | | | | | | |
| C0807K-SWUBR/L06 | 8 | 8 | 4 | 125 | 15 | 7 | 12° | ● | ● | 227508 | | | | | | |
| High-Speed Steel Shock-Proof Toolholder (Shock-Proof Effect > 5 Times Toolholder Diameter) | | | | | | | | | | | | | | | | |
| H06J-SWUBR/L06 | 7 | 6 | 3.4 | 110 | 12 | 5.4 | 15° | WB..0601.. | M2×4 | T6 | ● | ● | 227520 | | | |
| H1005K-SWUBR/L06 | 6 | 10 | 3 | 125 | 22 | 9 | 15° | | | | ● | ● | 227522 | | | |
| H1205K-SWUBR/L06 | 6 | 12 | 3 | 125 | 22 | 11 | 15° | | | | ● | ● | 227526 | | | |

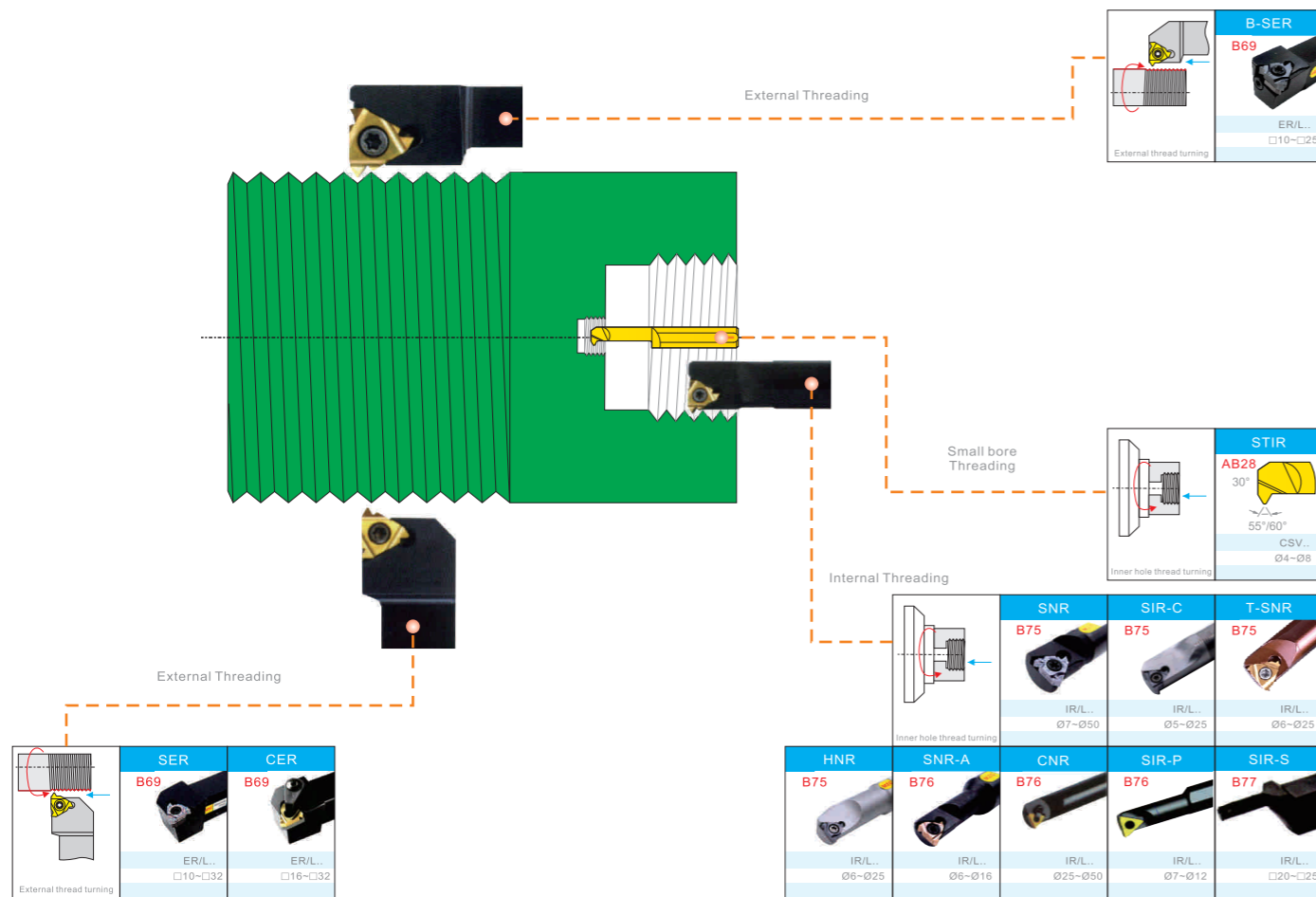


(Inserts): A19 (Toolholder Parts): P01-P04 R-Type

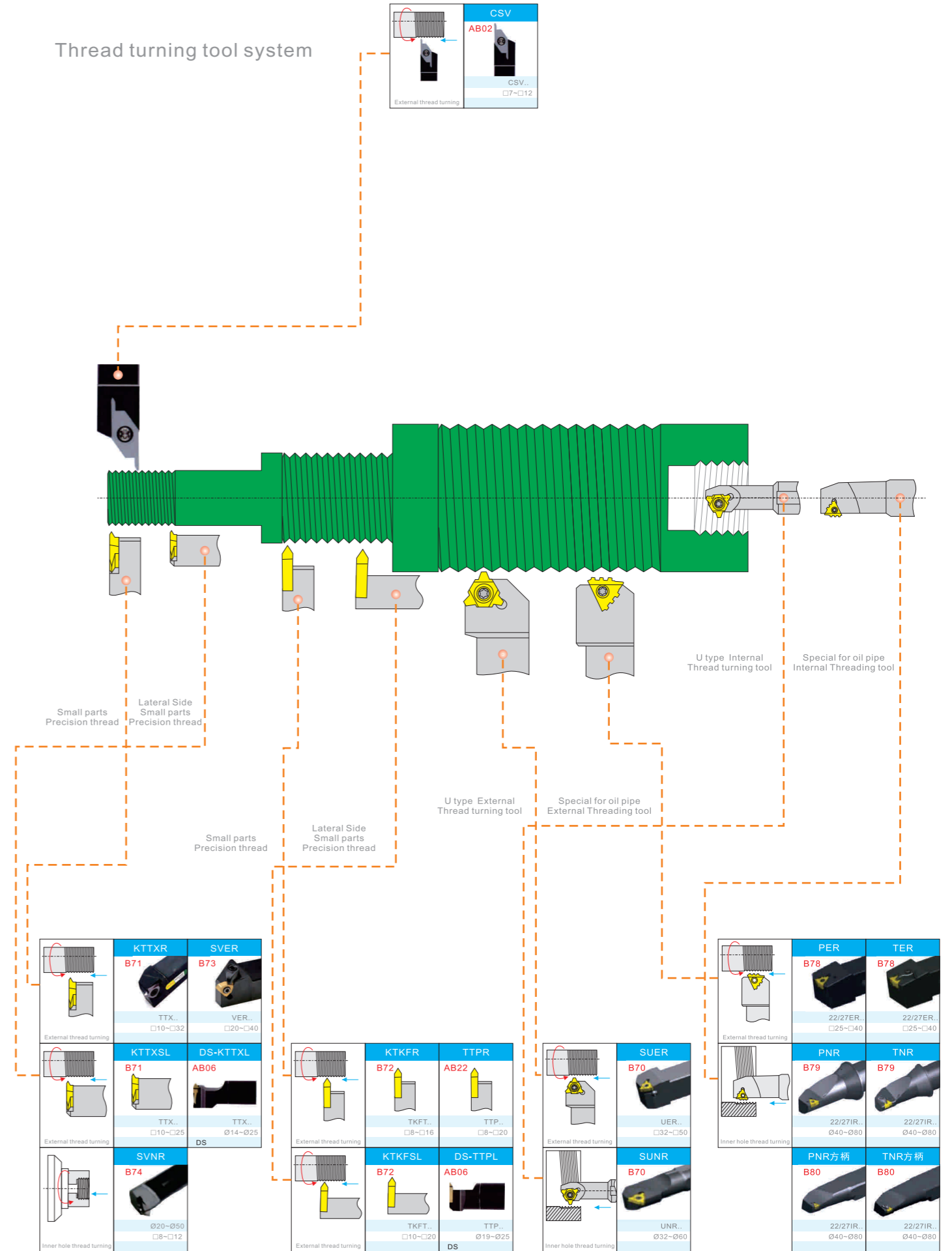
| Ordering code | Dimensions | | | | | | | Insert | Screw | Wrench | Stock | | Order Number | | | |
|--|-------------------|----|------|-----|----|----|-----|------------|--------|--------|------------|--------|--------------|---|---|--------|
| | øD _{min} | ød | f | L | L1 | H | α° | | | | R | L | | | | |
| S08K-SWLCR/L03 | 10 | 8 | 5 | 125 | 25 | 7 | 13° | WC..0302.. | M2.5×6 | T8 | ● | ● | 227401 | | | |
| S10K-SWLCR/L03 | 12 | 10 | 6 | 125 | 25 | 9 | 10° | | | | ● | ● | 227403 | | | |
| S08K-SWLCR/L04 | 10 | 8 | 5 | 125 | 25 | 7 | 13° | | | | ● | ● | 227400 | | | |
| S10K-SWLCR/L04 | 13 | 10 | 6.5 | 125 | 30 | 9 | 10° | | | | ● | ● | 227402 | | | |
| S12M-SWLCR/L04 | 16 | 12 | 7.5 | 150 | 37 | 11 | 13° | | | | ● | ● | 227404 | | | |
| S12M-SWLCR/L05 | 15 | 12 | 7 | 150 | 37 | 11 | 12° | | | | ● | ● | 227405 | | | |
| S14N-SWLCR/L05 | 17 | 14 | 8.5 | 160 | 40 | 13 | 10° | | | | ● | ● | 227407 | | | |
| S16Q-SWLCR/L06 | 20 | 16 | 9.5 | 180 | 40 | 15 | 10° | | | | ● | ● | 227406 | | | |
| S20R-SWLCR/L06 | 25 | 20 | 11.5 | 200 | 40 | 19 | 8° | | | | ● | ● | 227408 | | | |
| S25S-SWLCR/L06 | 31 | 25 | 14 | 250 | 40 | 24 | 6° | | | | ● | ● | 227410 | | | |
| Carbide Steel Shock-Proof Toolholder(Shock-Proof Effect > 8 Times Toolholder Diameter) | | | | | | | | | | | | | | | | |
| C08K-SWLCR/L03 | 10 | 8 | 5 | 125 | 15 | 7 | 13° | | | | WC..0302.. | M2.5×6 | T8 | ● | ● | 227420 |
| C10K-SWLCR/L03 | 12 | 10 | 6 | 125 | 20 | 9 | 10° | | | | | | | ● | ● | 227422 |
| C08K-SWLCR/L04 | 10 | 8 | 5 | 125 | 15 | 7 | 13° | | | | | | | ● | ● | 227424 |
| C10K-SWLCR/L04 | 13 | 10 | 6.5 | 125 | 20 | 9 | 10° | | | | | | | ● | ● | 227426 |
| C12M-SWLCR/L04 | 16 | 12 | 7.5 | 150 | 20 | 11 | 13° | | | | | | | ● | ● | 227428 |
| C12M-SWLCR/L05 | 15 | 12 | 7 | 150 | 20 | 11 | 12° | ● | ● | 227430 | | | | | | |
| C14N-SWLCR/L05 | 17 | 14 | 8.5 | 160 | 25 | 13 | 10° | ● | ● | 227432 | | | | | | |
| C16Q-SWLCR/L06 | 20 | 16 | 9.5 | 180 | 25 | 15 | 10° | ● | ● | 227434 | | | | | | |
| C20R-SWLCR/L06 | 25 | 20 | 11.5 | 200 | 30 | 19 | 8° | ● | ● | 227436 | | | | | | |
| C25S-SWLCR/L06 | 31 | 25 | 14 | 250 | 35 | 24 | 6° | ● | ● | 227438 | | | | | | |

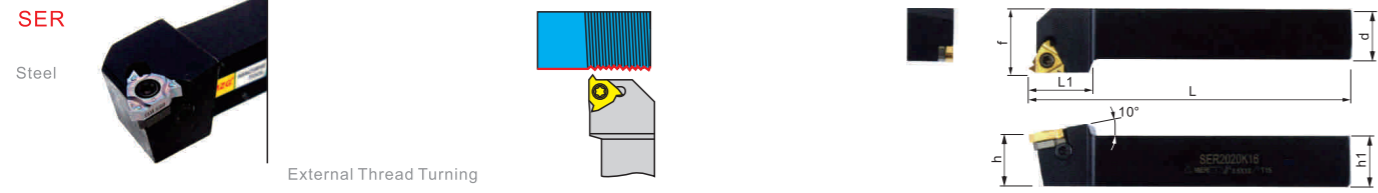
Thread turning tool system

| | | | |
|--|--|---|---|
| ISO B69 Internal Thread External Thread CSV... □8-□12 | W B69 Internal Thread External Thread CSV... □8-□12 | UN B69 内螺纹 External Thread CSV... □8-□12 | UNJ B69 Internal Thread External Thread CSV... □8-□12 |
| PG B69 Internal Thread External Thread CSV... □8-□12 | BSPT B69 Internal Thread External Thread CSV... □8-□12 | DIN405 B69 Internal Thread External Thread CSV... □8-□12 | NPT B69 Internal Thread External Thread CSV... □8-□12 |
| NPTF B69 Internal Thread External Thread CSV... □8-□12 | ACME B69 Internal Thread External Thread CSV... □8-□12 | ST-ACME B69 Internal Thread External Thread CSV... □8-□12 | TR B69 Internal Thread External Thread CSV... □8-□12 |
| ABUT B69 Internal Thread External Thread CSV... □8-□12 | BBUT B69 Internal Thread External Thread CSV... □8-□12 | SAGE B69 Internal Thread External Thread CSV... □8-□12 | API B69 Internal Thread External Thread CSV... □8-□12 |
| API-RD B69 Internal Thread External Thread CSV... □8-□12 | BUT B69 Internal Thread External Thread CSV... □8-□12 | EL B69 Internal Thread External Thread CSV... □8-□12 | |



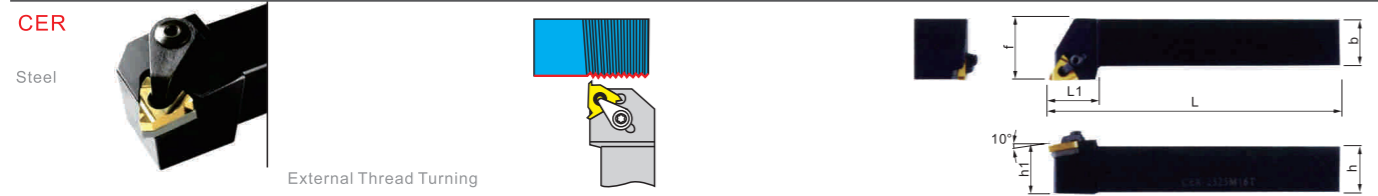
Thread turning tool system





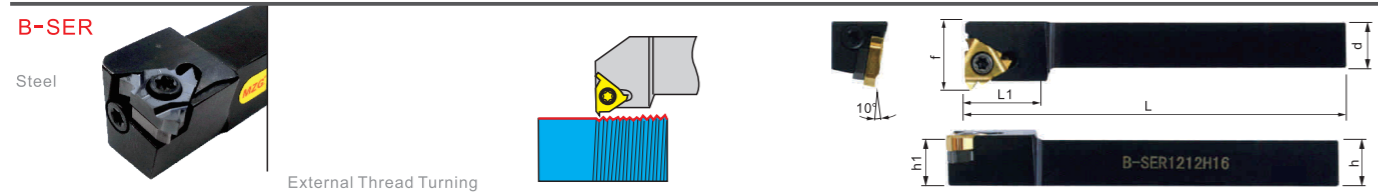
(Inserts): A27/A51-A64 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | Insert | Shim | Screw | Screw | Wrench | Stock | | Order Number |
|---------------|------------|----|-----|----|----|----|----------|----------------------|---------|-------|------------|-------|---|--------------|
| | h | b | L | L1 | h1 | f | | | | | | R | L | |
| SER/L1010H11 | 10 | 10 | 100 | 16 | 10 | 12 | 11ER/L.. | | M2.5×6 | | T8 | ● | ● | 232100 |
| SER/L1212H11 | 12 | 12 | 100 | 16 | 12 | 16 | | | | | | ● | ● | 232102 |
| SER/L1616H11 | 16 | 16 | 100 | 20 | 16 | 20 | | | | | | ● | ● | 232103 |
| SER/L1212H16 | 12 | 12 | 100 | 20 | 12 | 18 | 16ER/L.. | STM1603R STM1603L | M3.5×12 | M3×8C | T15 | ● | ● | 232104 |
| SER/L1616H16 | 16 | 16 | 100 | 20 | 16 | 20 | | | | | | ● | ● | 232106 |
| SER/L2020K16 | 20 | 20 | 125 | 22 | 20 | 25 | | | | | | ● | ● | 232108 |
| SER/L2525M16 | 25 | 25 | 150 | 22 | 25 | 32 | 22ER/L.. | STM22T3R STM22T3L | M4.5×12 | M3×8C | T20 T15 | ● | ● | 232110 |
| SER/L3225P16 | 32 | 32 | 170 | 25 | 32 | 32 | | | | | | ● | ● | 232112 |
| SER/L2020K22 | 20 | 20 | 125 | 26 | 20 | 32 | | | | | | ● | ● | 232113 |
| SER/L2525M22 | 25 | 25 | 150 | 26 | 25 | 32 | ● | ● | 232114 | | | | | |
| SER/L3225P22 | 32 | 32 | 170 | 28 | 32 | 32 | ● | ● | 232116 | | | | | |



(Inserts): A27/A51-A64 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | Insert | Shim | Screw | Clamp | Screw | Wrench | Stock | | Order Number |
|---------------|------------|----|-----|----|----|----|----------|----------------------|---------|--------|--------|-------------|-------|---|--------------|
| | h | b | L | L1 | h1 | f | | | | | | | R | L | |
| CER/L1616H16 | 16 | 16 | 100 | 20 | 16 | 20 | 16ER/L.. | STM1603R STM1603L | M3.5×12 | HL1808 | ML0520 | T15 PL25 | ● | ● | 232200 |
| CER/L2020K16 | 20 | 20 | 125 | 22 | 20 | 25 | | | | | | | ● | ● | 232202 |
| CER/L2525M16 | 25 | 25 | 150 | 22 | 25 | 32 | | | | | | | ● | ● | 232204 |
| CER/L3225P16 | 32 | 32 | 170 | 25 | 32 | 32 | 22ER/L.. | STM22T3R STM22T3L | M4.5×14 | HL1808 | ML0520 | T15 PL25 | ● | ● | 232206 |
| CER/L2525M22 | 25 | 25 | 150 | 26 | 25 | 32 | | | | | | | ● | ● | 232208 |
| CER/L3225P22 | 32 | 32 | 170 | 28 | 32 | 32 | | | | | | | ● | ● | 232210 |

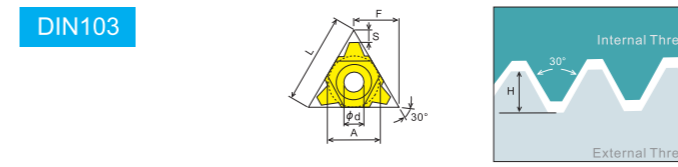


(Inserts): A27/A51-A64 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | Insert | Shim | Screw | Screw | Wrench | Stock | | Order Number |
|----------------|------------|----|-----|----|----|----|----------|----------------------|---------|-------|------------|-------|---|--------------|
| | h | b | L | L1 | h1 | f | | | | | | R | L | |
| B-SER/L1010H16 | 10 | 10 | 100 | 20 | 10 | 18 | 16ER/L.. | STM1603R STM1603L | M3.5×12 | M3×8C | T15 | ● | ● | 232300 |
| B-SER/L1212H16 | 12 | 12 | 100 | 20 | 12 | 18 | | | | | | ● | ● | 232302 |
| B-SER/L1616H16 | 16 | 16 | 100 | 20 | 16 | 20 | | | | | | ● | ● | 232304 |
| B-SER/L2020K16 | 20 | 20 | 125 | 22 | 20 | 25 | 22ER/L.. | STM22T3R STM22T3L | M4.5×12 | M3×8C | T20 T15 | ● | ● | 232306 |
| B-SER/L2525M16 | 25 | 25 | 150 | 22 | 25 | 32 | | | | | | ● | ● | 232308 |

UER

DIN103



Application: External thread processing

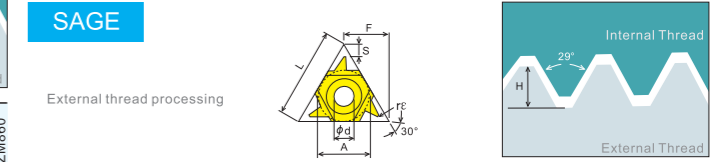
| Specification | Depth | Pitch | Dimension (mm) | | | | | | PCD | CBN-K | CBN-S | ZK01 | ZK02 | ZK03 | ZK04 | ZK05 | ZK06 | ZK07 | ZK08 | ZK09 | ZK10 | ZK11 | ZK12 | ZK13 | ZK14 | ZK15 | ZK16 | ZK17 | ZK18 | ZK19 | ZK20 | | |
|-----------------------------------|---------------------|---------------------|------------------|----------------|--------------|--------------|--------------|---|-----|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | | | Hmin | φd | L | A | S | F | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22UER 6.0 TR 7.0 TR | 3.50 4.00 | 6.0 7.0 | 5.1 5.1 | 22 22 | 12.7 12.7 | 2.0 2.3 | 11.0 11.0 | | ● | ● | | | | | | | | | | | | | | | | | | | | | | | |
| 27UER 8.0 TR 9.0 TR 10.0 TR | 4.57 9.0 10.0 | 8.0 6.35 6.35 | 6.35 27 27 | 15.87 15.87 | 2.6 3.0 | 13.7 13.7 | | | ● | ● | | | | | | | | | | | | | | | | | | | | | | | |

Cutting Environment

Material

| Material | Stable Cutting | General Cutting | General Cutting(Second recommend) | Unstable Cutting |
|---|----------------|-----------------|-----------------------------------|------------------|
| P Steel | ● | ● | ● | ● |
| M Stainless Steel | ● | ● | ● | ● |
| K Iron | ● | ● | ● | ● |
| N Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | ● | ● | ● |
| S Carbide/Powder Metallurgy | ● | ● | ● | ● |
| H Titanium/Superalloy/Carbon Fiber | ● | ● | ● | ● |

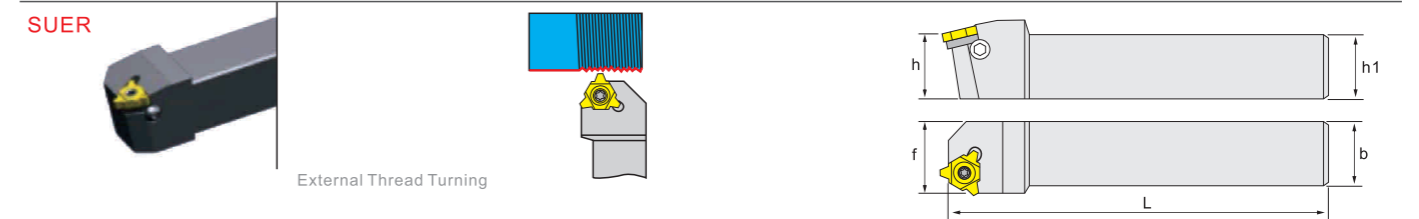
SAGE



Application: External thread processing

| Specification | Depth | Pitch | Dimension (mm) | | | | | | PCD | CBN-K | CBN-S | ZK01 | ZK02 | ZK03 | ZK04 | ZK05 | ZK06 | ZK07 | ZK08 | ZK09 | ZK10 | ZK11 | ZK12 | ZK13 | ZK14 | ZK15 | ZK16 | ZK17 | ZK18 | ZK19 | ZK20 | | |
|----------------------------|-------|------------|----------------|----------|--------------|--------------|---|---|-----|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | | | Hmin | φd | L | re | A | F | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22UER 5.0 SAGE 6.0 SAGE | | 5.0 6.0 | 5.1 5.1 | 22 22 | 0.62 0.75 | 12.7 11.0 | | | ● | ● | | | | | | | | | | | | | | | | | | | | | | | |

SUER



(Inserts): A59-A64/B70 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | Insert | Screw | Wrench | Shim | Screw | Wrench | Stock | | Order Number |
|----------------|------------|----|-----|----|----|--|--------|-------|--------|-------|-------|--------|-------|---|--------------|
| | h | b | L | h1 | f | | | | | | | | R | L | |
| SUER/L 3232P22 | 32 | 32 | 170 | 32 | 37 | | 22UE.. | M4×14 | T15 | STU22 | M3×5 | PL25 | ● | ○ | 232230 |
| 4040R22 | 40 | 40 | 200 | 40 | 45 | | | | | | | | ● | ○ | 232232 |
| 3232P27 | 32 | 32 | 170 | 32 | 37 | | | | | | | | ● | ○ | 232234 |
| 4040R27 | 40 | 40 | 200 | 40 | 45 | | 27UE.. | M6×16 | T20 | STU27 | M3×5 | PL25 | ● | ○ | 232236 |
| 5050S27 | 50 | 50 | 250 | 50 | 55 | | | | | | | | ● | ○ | 232238 |

UNR

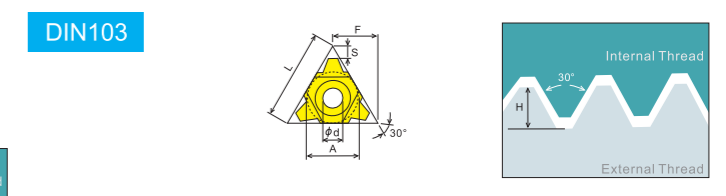
SAGE



Application: Internal thread processing

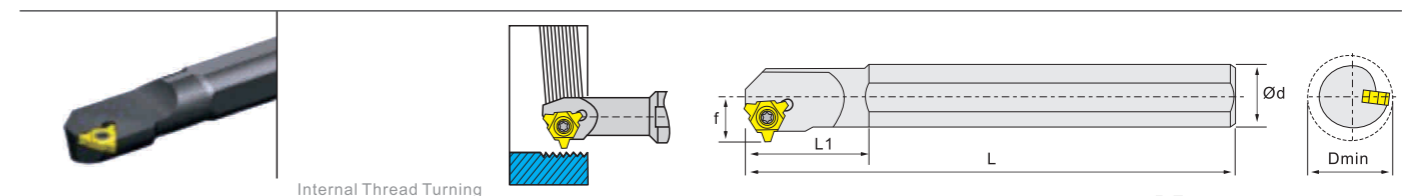
| Specification | Depth | Pitch | Dimension (mm) | | | | | | PCD | CBN-K | CBN-S | ZK01 | ZK02 | ZK03 | ZK04 | ZK05 | ZK06 | ZK07 | ZK08 | ZK09 | ZK10 | ZK11 | ZK12 | ZK13 | ZK14 | ZK15 | ZK16 | ZK17 | ZK18 | ZK19 | ZK20 | | |
|----------------------------|-------|------------|----------------|----------|--------------|--------------|---|---|-----|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | | | Hmin | φd | L | re | A | F | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22UIR 5.0 SAGE 6.0 SAGE | | 5.0 6.0 | 5.1 5.1 | 22 22 | 0.62 0.75 | 12.7 11.0 | | | ● | ● | | | | | | | | | | | | | | | | | | | | | | | |

DIN103



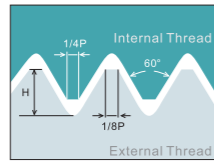
Application: Internal thread processing

| Specification | Depth | Pitch | Dimension (mm) | | | | | | PCD | CBN-K | CBN-S | ZK01 | ZK02 | ZK03 | ZK04 | ZK05 | ZK06 | ZK07 | ZK08 | ZK09 | ZK10 | ZK11 | ZK12 | ZK13 | ZK14 | ZK15 | ZK16 | ZK17 | ZK18 | ZK19 | ZK20 | | |
|-----------------------------------|---------------------|---------------------|------------------|----------------|--------------|--------------|--------------|---|-----|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | | | Hmin | φd | L | A | S | F | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22UIR 6.0 TR 7.0 TR | 3.50 4.00 | 6.0 7.0 | 5.1 5.1 | 22 22 | 12.7 12.7 | 2.0 2.3 | 11.0 11.0 | | ● | ● | | | | | | | | | | | | | | | | | | | | | | | |
| 27UIR 8.0 TR 9.0 TR 10.0 TR | 4.57 9.0 10.0 | 8.0 6.35 6.35 | 6.35 27 27 | 15.87 15.87 | 2.6 3.0 | 13.7 13.7 | | | ● | ● | | | | | | | | | | | | | | | | | | | | | | | |



(Inserts): A59-A64/B70 (Toolholder Parts): P01-P04 R-Type

| Ordering code | Dimensions | | | | | | Insert | Screw | Wrench | Shim | Screw | Wrench | Stock | | Order Number |
|----------------|------------|----|-----|----|------|--|--------|-------|--------|-------|-------|--------|-------|---|--------------|
| | Dmin | Ød | L | L1 | f | | | | | | | | R | L | |
| SUNR/L 0032S22 | 32 | 32 | 250 | 60 | 25.5 | | 22UE.. | M4×14 | T15 | STU22 | M3×5 | PL25 | ● | ○ | 232240 |
| 0040T22 | 40 | 40 | 300 | 60 | 29.5 | | | | | | | | ● | ○ | 232242 |
| 0032S27 | 32 | 32 | 250 | 60 | 24.7 | | | | | | | | ● | ○ | 232244 |
| 0040T27 | 40 | 40 | 300 | 60 | 29.4 | | 27UE.. | M6×16 | T20 | STU27 | M3×5 | PL25 | ● | ○ | 232245 |
| 0050U27 | 50 | 50 | 350 | 75 | 34.3 | | | | | | | | ● | ○ | 232246 |
| 0060V27 | 60 | 60 | 400 | 75 | 39.3 | | | | | | | | ● | ○ | 232247 |



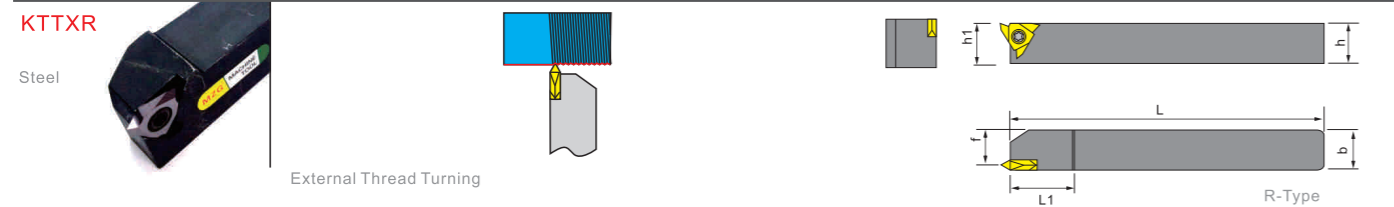
Thread Application: General Industry

TTX32R

| Application | Specification | Pitch of Screw | | Dimension (mm) | | | | | | Material | | | | | | | | |
|-------------------|---------------|----------------|-------|----------------|-----|------|-------|-----|-----|----------|-------|------|-------|-------|-------|-------|-------|--|
| | | (mm) | (tpi) | rE | S1 | S2 | A | φd | PCD | CBN-K | CBN-S | ZN60 | ZM826 | ZP150 | ZP680 | ZM856 | ZM860 | |
| Thread processing | TTX32R 6000 | 0.5-1.0 | 56-32 | 0.00 | 0.6 | 1.12 | | | | | | | | | | | | |
| | 6000S | 0.5-1.0 | 56-32 | 0.00 | 0.3 | 1.12 | | | | | | | | | | | | |
| | 60005 | 0.5-1.0 | 48-32 | 0.05 | 0.6 | 1.12 | | | | | | | | | | | | |
| | 60005S | 0.5-1.0 | 48-32 | 0.05 | 0.3 | 1.12 | 9.525 | 4.4 | | | | | | | | | | |
| | 6001 | 1.0-2.0 | 28-14 | 0.1 | 1.1 | 1.62 | | | | | | | | | | | | |
| Thread processing | 6002 | 1.5-2.5 | 16-10 | 0.2 | 1.1 | 1.62 | | | | | | | | | | | | |
| | 6003 | 2.5 | 11-10 | 0.3 | 1.1 | 1.62 | | | | | | | | | | | | |
| | 5501 | - | 28-10 | 0.1 | 1.1 | 0.5 | 9.525 | 4.4 | | | | | | | | | | |
| Thread processing | 5502 | - | 14-10 | 0.2 | 1.1 | 0.5 | 9.525 | 4.4 | | | | | | | | | | |

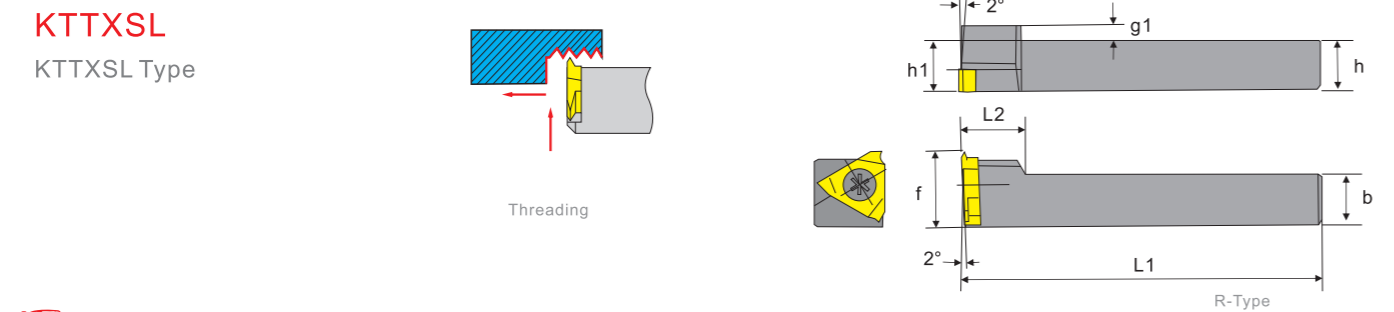
TTX32L

| Application | Specification | Pitch of Screw | | Dimension (mm) | | | | | | Material | | | | | | | | |
|-------------------|---------------|----------------|-------|----------------|-----|------|-------|-----|-----|----------|-------|------|-------|-------|-------|-------|-------|--|
| | | (mm) | (tpi) | rE | S1 | S2 | A | φd | PCD | CBN-K | CBN-S | ZN60 | ZM826 | ZP150 | ZP680 | ZM856 | ZM860 | |
| Thread processing | TTX32L 6000 | 0.5-1.0 | 56-32 | 0.00 | 0.6 | 1.12 | | | | | | | | | | | | |
| | 6000S | 0.5-1.0 | 56-32 | 0.00 | 0.3 | 1.12 | | | | | | | | | | | | |
| | 60005 | 0.5-1.0 | 48-32 | 0.05 | 0.6 | 1.12 | | | | | | | | | | | | |
| | 60005S | 0.5-1.0 | 48-32 | 0.05 | 0.3 | 1.12 | 9.525 | 4.4 | | | | | | | | | | |
| | 6001 | 1.0-2.0 | 28-14 | 0.1 | 1.1 | 1.62 | | | | | | | | | | | | |
| Thread processing | 6002 | 1.5-2.5 | 16-10 | 0.2 | 1.1 | 1.62 | | | | | | | | | | | | |
| | 6003 | 2.5 | 11-10 | 0.3 | 1.1 | 1.62 | | | | | | | | | | | | |
| | 5501 | - | 28-10 | 0.1 | 1.1 | 0.5 | 9.525 | 4.4 | | | | | | | | | | |
| Thread processing | 5502 | - | 14-10 | 0.2 | 1.1 | 0.5 | 9.525 | 4.4 | | | | | | | | | | |



(Inserts): A51-A54/B71 (Toolholder Parts): P01-P04

| Ordering code | Dimensions | | | | | | Insert | Screw | Wrench | Stock | Order Number |
|----------------|------------|----|-----|----|----|----|---------|-------|----------|--------|--------------|
| | h | b | L | L1 | h1 | f | | | | | |
| KTTXR/L1010F32 | 10 | 10 | 90 | 20 | 10 | 12 | TTX32.. | M4×10 | L2.5 T15 | ● ● | 232500 |
| KTTXR/L1212H32 | 12 | 12 | 100 | 20 | 12 | 16 | | | | ● ● | 232502 |
| KTTXR/L1616H32 | 16 | 16 | 100 | 20 | 16 | 20 | | | | ● ● | 232504 |
| KTTXR/L2020K32 | 20 | 20 | 125 | 22 | 20 | 25 | | | | ● ● | 232506 |
| KTTXR/L2020K43 | 20 | 20 | 125 | 28 | 20 | 25 | | | | ● ● | 232508 |
| KTTXR/L2525M43 | 25 | 25 | 150 | 30 | 25 | 32 | TT43.. | M5×12 | ● ● | 232510 | |
| KTTXR/L3232P43 | 32 | 32 | 170 | 30 | 32 | 40 | | | ● ● | 232512 | |



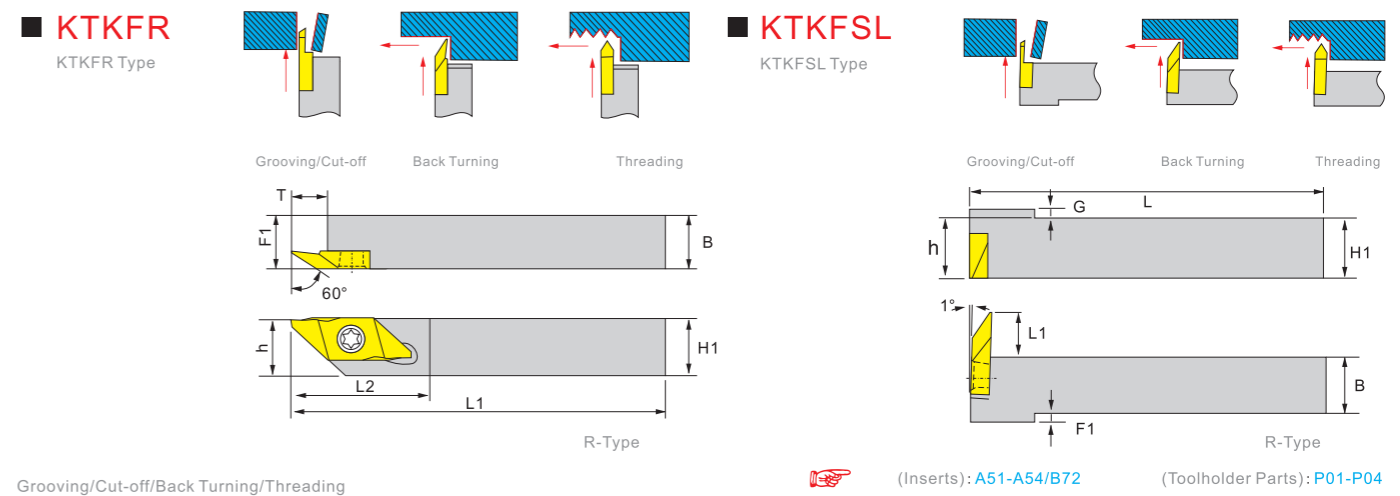
(Inserts): A51-A54/B71 (Toolholder Parts): P01-P04

| Ordering code | Dimensions | | | | | | Insert | Wrench | Screw | Stock | Order Number |
|------------------|------------|------|----|-----|----|----|---------|--------|---------|-------|--------------|
| | g1 | h=h1 | b | L1 | L2 | f | | | | | |
| KTTXSR/L 1010H16 | 2 | 10 | 10 | 100 | 12 | 16 | TTX32.. | T15 | M4.0×10 | ○ ● | 232513 |
| 1212H16 | 0 | 12 | 12 | 100 | 16 | 20 | | | | ○ ● | 232514 |
| 1616H16 | 0 | 16 | 16 | 100 | 20 | 24 | | | | ○ ● | 232515 |
| 2020K16 | 0 | 20 | 20 | 125 | 25 | 30 | | | | ○ ● | 232516 |
| 2525M16 | 0 | 25 | 25 | 150 | 32 | 35 | | | | ○ ○ | 232517 |



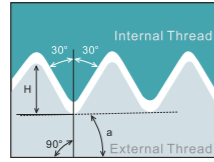
Thread Application: General Industry

| Application | Specification | Pitch of Screw | | Dimension (mm) | | | | | | Material | | | | | | | | |
|-------------------|---------------|----------------|----------|----------------|-------|-----|-----|-----|-----|----------|-------|------|-------|-------|-------|-------|-------|--|
| | | (mm) | (tpi) | rE | S1 | S2 | a | Fig | PCD | CBN-K | CBN-S | ZN60 | ZM826 | ZP150 | ZP680 | ZM856 | ZM860 | |
| Thread processing | TKFT12R | A6000 | 0.2-0.6 | 64-48 | <0.05 | 0.4 | 2.1 | | | | | | | | | | | |
| | | B6000 | 0.2-0.6 | 64-48 | <0.05 | 2.1 | 0.4 | | | | | | | | | | | |
| | | A60005 | 0.5-1.25 | 48-24 | 0.05 | 0.8 | 1.7 | 60° | 1 | | | | | | | | | |
| | | B60005 | 0.5-1.25 | 48-24 | 0.05 | 1.7 | 0.8 | | | | | | | | | | | |
| Thread processing | TKFT16R | A6000 | 0.2-0.6 | 64-48 | <0.05 | 0.4 | 2.1 | | | | | | | | | | | |
| | | B6000 | 0.2-0.6 | 64-48 | <0.05 | 2.1 | 0.4 | | | | | | | | | | | |
| | | A60005 | 0.5-1.25 | 48-24 | 0.05 | 0.8 | 1.7 | 60° | 0 | | | | | | | | | |
| | | B60005 | 0.5-1.25 | 48-24 | 0.05 | 1.7 | 0.8 | | | | | | | | | | | |
| Thread processing | TKFT12L | A6000 | 0.2-0.6 | 64-48 | <0.05 | 2.1 | 0.4 | | | | | | | | | | | |
| | | B6000 | 0.2-0.6 | 64-48 | <0.05 | 0.4 | 2.1 | | | | | | | | | | | |
| | | A60005 | 0.5-1.25 | 48-24 | 0.05 | 1.7 | 0.8 | 60° | 1 | | | | | | | | | |
| | | B60005 | 0.5-1.25 | 48-24 | 0.05 | 0.8 | 1.7 | | | | | | | | | | | |
| Thread processing | TKFT16L | A6000 | 0.2-0.6 | 64-48 | <0.05 | 2.1 | 0.4 | | | | | | | | | | | |
| | | B6000 | 0.2-0.6 | 64-48 | <0.05 | 0.4 | 2.1 | | | | | | | | | | | |
| | | A60005 | 0.5-1.25 | 48-24 | 0.05 | 1.7 | 0.8 | 60° | 2 | | | | | | | | | |
| | | B60005 | 0.5-1.25 | 48-24 | 0.05 | 0.8 | 1.7 | | | | | | | | | | | |
| Thread processing | TKFT12R | A55005 | - | 40-16 | 0.05 | 0.8 | 1.7 | 55° | 1 | | | | | | | | | |
| | | B55005 | - | 40-16 | 0.05 | 1.7 | 0.8 | | | | | | | | | | | |
| Thread processing | TKFT16R | A55005 | - | 40-16 | 0.05 | 0.8 | 1.7 | 55° | 2 | | | | | | | | | |
| | | B55005 | - | 40-16 | 0.05 | 1.7 | 0.8 | | | | | | | | | | | |



| Ordering code | Dimensions | | | | | | Insert | Wrench | Screw | Stock | Order Number |
|-------------------|------------|----|-----|-----|---|----|--------|--------|-------|--------|--------------|
| | H1=h | B | L1 | L2 | T | F1 | | | | | |
| KTKFR/L 0808K-12 | 8 | 8 | 125 | 15 | 6 | 8 | T20 | M4.5×8 | ● ● | 206100 | |
| 1010K-12 | 10 | 10 | 125 | 15 | 6 | 10 | | | ● ● | 206102 | |
| 1212F-12 | 12 | 12 | 85 | - | 6 | 12 | | | ● ● | 206104 | |
| 1212M-12 | 12 | 12 | 150 | - | 6 | 12 | | | ● ● | 206106 | |
| 1616M-12 | 16 | 16 | 150 | - | 6 | 16 | | | ● ● | 206108 | |
| KTKFR/L 0808K-16 | 8 | 8 | 125 | 15 | 8 | 8 | T20 | M4.5×8 | ● ● | 206110 | |
| 1010K-16 | 10 | 10 | 125 | 20 | 8 | 10 | | | ● ● | 206112 | |
| 1212F-16 | 12 | 12 | 85 | - | 8 | 12 | | | ● ● | 206114 | |
| 1212M-16 | 12 | 12 | 150 | - | 8 | 12 | | | ● ● | 206116 | |
| 1616M-16 | 16 | 16 | 150 | - | 8 | 16 | | | ● ● | 206118 | |
| KTKFSL/L 1010JX12 | 10 | 10 | 120 | 6.0 | 2 | 6 | T20 | M4.5×8 | ● ● | 206121 | |
| 1212JX12 | 12 | 12 | 120 | 6.0 | 0 | 4 | | | ● ● | 206123 | |
| 1616JX12 | 16 | 16 | 120 | 6.0 | 0 | 2 | | | ● ● | 206125 | |
| 2020JX12 | 20 | 20 | 120 | 6.0 | 0 | 0 | | | ● ● | 206127 | |
| KTKFSL/L 1010JX16 | 10 | 10 | 120 | 8.0 | 2 | 8 | T20 | M4.5×8 | ● ● | 206129 | |
| 1212JX16 | 12 | 12 | 120 | 8.0 | 0 | 6 | | | ● ● | 206131 | |
| 1616JX16 | 16 | 16 | 120 | 8.0 | 0 | 4 | | | ● ● | 206133 | |
| 2020JX16 | 20 | 20 | 120 | 8.0 | 0 | 2 | | | ● ● | 206135 | |

API RD



Thread Application: Threads for petroleum and natural gas industries

| Material | Cutting Environment | Material | PCD | CBN-K | CBN-S | ZN60 | ZN826 | ZP15 | ZP150 | ZP680 | ZM856 | ZM860 |
|----------|---|--------------------------------------|-----|-------|-------|------|-------|------|-------|-------|-------|-------|
| P | Steel | ● Stable Cutting | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| M | Stainless Steel | ● General Cutting | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| K | Iron | ● General Cutting (Second recommend) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| N | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● Unstable Cutting | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| S | Carbide/Powder Metallurgy | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| H | Titanium/Superalloy/Carbon Fiber | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

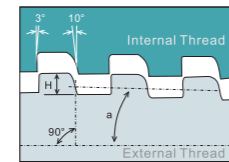
| Application | Dimensioning | Specification | Pitch | | Dimension (mm) | | | PCD | CBN-K | CBN-S | ZN60 | ZN826 | ZP15 | ZP150 | ZP680 | ZM856 | ZM860 |
|----------------------------|--------------|----------------------------|---------|--------|----------------|--------------|---|-----|-------|-------|------|-------|------|-------|-------|-------|-------|
| | | | (tpi) | | a | X | Y | | | | | | | | | | |
| External thread processing | | 22ER 10APIRD-4 8APIRD-3 | 10 8 | 4 3 | 1.47° 0.32 | 17.1 17.1 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

(Toolholder): B78

| Application | Dimensioning | Specification | Pitch | | Dimension (mm) | | | PCD | CBN-K | CBN-S | ZN60 | ZN826 | ZP15 | ZP150 | ZP680 | ZM856 | ZM860 |
|----------------------------|--------------|----------------------------|---------|--------|----------------|--------------|---|-----|-------|-------|------|-------|------|-------|-------|-------|-------|
| | | | (tpi) | | a | X | Y | | | | | | | | | | |
| Internal thread processing | | 22IR 10APIRD-4 8APIRD-3 | 10 8 | 4 3 | 1.47° 0.32 | 17.1 17.1 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

(Toolholder): B79-B80

BUT



| Inserts | Applicable specification of threaded pipe |
|---------|---|
| 5BUT75 | 4-1/2"-13-3/8" |
| 5BUT1 | 16"-20" |

Thread Application: Thread for petroleum trapezoidal casing

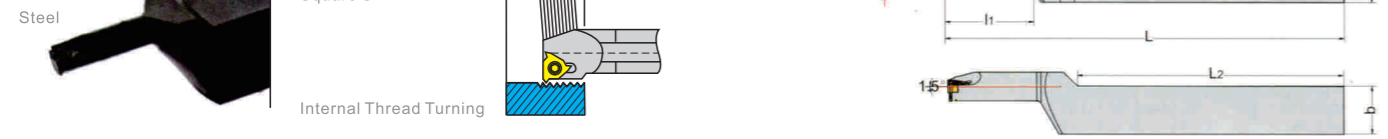
| Application | Dimensioning | Specification | Pitch | | Dimension (mm) | | | PCD | CBN-K | CBN-S | ZN60 | ZN826 | ZP15 | ZP150 | ZP680 | ZM856 | ZM860 |
|----------------------------|--------------|---------------|-------|---|----------------|------|---|-----|-------|-------|------|-------|------|-------|-------|-------|-------|
| | | | (tpi) | | a | X | Y | | | | | | | | | | |
| External thread processing | | 22ER 5BUT75-2 | 5 | 2 | 0.75° 2.05 | 16.8 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| External thread processing | | 27ER 5BUT75-3 | 5 | 3 | 0.75° 2.46 | 21.9 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

(Toolholder): B78

| Application | Dimensioning | Specification | Pitch | | Dimension (mm) | | | PCD | CBN-K | CBN-S | ZN60 | ZN826 | ZP15 | ZP150 | ZP680 | ZM856 | ZM860 |
|----------------------------|--------------|---------------|-------|---|----------------|-------|---|-----|-------|-------|------|-------|------|-------|-------|-------|-------|
| | | | (tpi) | | a | X | Y | | | | | | | | | | |
| Internal thread processing | | 22IR 5BUT75-2 | 5 | 2 | 0.75° 1.14 | 16.65 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Internal thread processing | | 27IR 5BUT75-3 | 5 | 3 | 0.75° 2.46 | 21.9 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

(Toolholder): B79-B80

SIR...S..



(Inserts): A51-A64

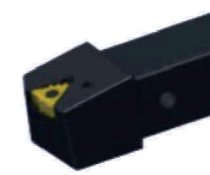
(Toolholder Parts): P01-P04

R-Type

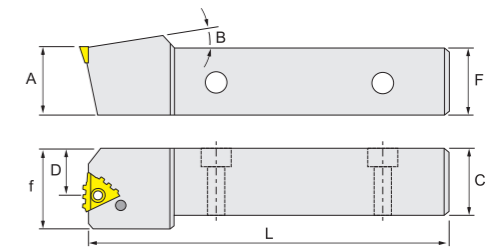
| Ordering code | Dimensions | | | | | | | | Insert | Screw | Wrench | Stock | | Order Number |
|-------------------|-------------------|----|------|-----|----|----|----|-----|----------|----------|--------|-------|---|--------------|
| | øD _{min} | ød | f | L | L1 | h | b | α° | | | | R | L | |
| SIR/L 0007M08-S20 | 10 | 7 | 5.3 | 150 | 22 | 20 | 20 | 15° | 08IR/L.. | M2.2×5.5 | T6 | ● | ● | 231500 |
| 0008M08-S20 | 11 | 8 | 5.8 | 150 | 25 | 20 | 20 | | | | | ● | ● | 231502 |
| 0010M11-S20 | 12 | 10 | 7.4 | 150 | 31 | 20 | 20 | | | | | ● | ● | 231504 |
| 0012P11-S20 | 15 | 12 | 8.4 | 170 | 37 | 20 | 20 | | | | | ● | ● | 231506 |
| 0013P16-S20 | 16 | 13 | 10.2 | 170 | 40 | 20 | 20 | | | | | ● | ● | 231508 |
| 0016Q16-S20 | 19 | 16 | 11.7 | 180 | 49 | 20 | 20 | | | | | ● | ● | 231510 |
| 0007M08-S25 | 10 | 7 | 5.3 | 150 | 22 | 25 | 25 | | | | | ● | ● | 231512 |
| 0008M08-S25 | 11 | 8 | 5.8 | 150 | 25 | 25 | 25 | | | | | ● | ● | 231514 |
| 0010M11-S25 | 12 | 10 | 7.4 | 150 | 31 | 25 | 25 | | | | | ● | ● | 231516 |
| 0012M11-S25 | 15 | 12 | 8.4 | 150 | 37 | 25 | 25 | | | | | ● | ● | 231518 |
| 0016Q16-S25 | 19 | 16 | 11.7 | 180 | 49 | 25 | 25 | | | | | ● | ● | 231520 |
| 0020R16-S25 | 24 | 20 | 13.7 | 200 | 61 | 25 | 25 | | | | | ● | ● | 231522 |
| 0020R22-S25 | 24 | 20 | 15.6 | 200 | 61 | 25 | 25 | | | | | ● | ● | 231524 |

PER..

Lever locking type



Petroleum pipe external thread processing



Note: E is the tool helix angle

| Lever | Lever Screw | Wrench |
|-------|-------------|--------|
| L4-1 | M6×18 | PL30 |

(Inserts): A63-A64/B77

(Toolholder Parts): P01-P04

R-Type

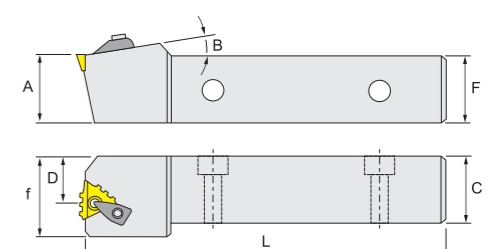
| Ordering code | Dimensions | | | | | | | | Processing Range | Insert | h8n | Stock | | Order Number |
|-------------------|------------|----|----|-----|----|------|-----|----|------------------|-------------|--------|------------|------------|--------------|
| | L | f | A | B | C | D | E | F | | | | R | L | |
| PER 2525-175-B17A | 175 | 29 | 25 | 5° | 25 | 21.5 | 70° | 25 | 2-3/8"~3-1/2" | 22ER10RD2-4 | BE17 | ○ | ○ | 232250 |
| 3232-175-B17A | 175 | 38 | 32 | 5° | 32 | 26.5 | 70° | 32 | | | | ○ | ○ | 232251 |
| 3232-175-B17B | 175 | 38 | 32 | 5° | 32 | 26.5 | 50° | 32 | | | | ○ | ○ | 232252 |
| 3232-175-B17C | 175 | 38 | 32 | 5° | 32 | 26.5 | 30° | 32 | 6-5/8"~8-5/8" | 22ER8RD2-3 | BE17 | ○ | ○ | 232253 |
| 3232-175-B17D | 175 | 38 | 32 | 5° | 32 | 26.5 | 15° | 32 | | | | ○ | ○ | 232254 |
| 4040-175-B17D | 175 | 40 | 40 | 5° | 40 | 26.5 | 15° | 40 | | | | ○ | ○ | 232255 |
| 3232-175-B17B-10 | 175 | 38 | 32 | 10° | 32 | 25 | 60° | 32 | 4-1/2"~6-5/8" | 22ER5BU2-2 | BE17 | ○ | ○ | 232256 |
| 3232-175-B17C-10 | 175 | 38 | 32 | 10° | 32 | 25 | 40° | 32 | | | | ○ | ○ | 232257 |
| 3232-175-B17D-10 | 175 | 38 | 32 | 10° | 32 | 25 | 20° | 32 | | | | ○ | ○ | 232258 |
| 4040-175-B17D-10 | 175 | 40 | 40 | 10° | 40 | 25 | 20° | 40 | 13-3/8"~20" | 22ER5BU2-2 | BE17 | ○ | ○ | 232259 |
| 3240-175-B23B-10 | 175 | 38 | 32 | 10° | 32 | 25 | 60° | 32 | | | | ○ | ○ | 232260 |
| 3240-175-B23C-10 | 175 | 38 | 32 | 10° | 32 | 25 | 40° | 32 | | | | 7"~11-1/2" | 27ER5BU2-3 | BE23 |
| 3240-175-B23D-10 | 175 | 38 | 32 | 10° | 32 | 25 | 20° | 32 | ○ | ○ | 232262 | | | |
| 4040-175-B23D-10 | 175 | 40 | 40 | 10° | 40 | 25 | 20° | 40 | ○ | ○ | 232263 | | | |

TER..

Clamp locking type



Petroleum pipe external thread processing



Note: E is the tool helix angle

| Clamp | Clamp Screw | Spring | Shim Screw | Pin | Clamp Wrench | Shim Wrench |
|-------|-------------|--------|------------|-------|--------------|-------------|
| CL2 | M5×20 | Ø7×11 | M4×8 | Ø2×10 | PL30 | T15 |

(Inserts): A63-A64/B77

(Toolholder Parts): P01-P04

R-Type

| Ordering code | Dimensions | | | | | | | | Processing Range | Insert | h8n | Stock | | Order Number |
|-------------------|------------|----|----|-----|----|------|-----|----|------------------|-------------|--------|------------|------------|--------------|
| | L | f | A | B | C | D | E | F | | | | R | L | |
| TER 2525-175-B17A | 175 | 29 | 25 | 5° | 25 | 21.5 | 70° | 25 | 2-3/8"~3-1/2" | 22ER10RD2-4 | TE17 | ○ | ○ | 232264 |
| 3232-175-B17A | 175 | 38 | 32 | 5° | 32 | 26.5 | 70° | 32 | | | | ○ | ○ | 232265 |
| 3232-175-B17B | 175 | 38 | 32 | 5° | 32 | 26.5 | 50° | 32 | | | | ○ | ○ | 232266 |
| 3232-175-B17C | 175 | 38 | 32 | 5° | 32 | 26.5 | 30° | 32 | 6-5/8"~8-5/8" | 22ER8RD2-3 | TE17 | ○ | ○ | 232267 |
| 3232-175-B17D | 175 | 38 | 32 | 5° | 32 | 26.5 | 15° | 32 | | | | ○ | ○ | 232268 |
| 4040-175-B17D | 175 | 40 | 40 | 5° | 40 | 26.5 | 15° | 40 | | | | ○ | ○ | 232269 |
| 3232-175-B17B-10 | 175 | 38 | 32 | 10° | 32 | 25 | 60° | 32 | 4-1/2"~6-5/8" | 22ER5BU2-2 | TE17 | ○ | ○ | 232270 |
| 3232-175-B17C-10 | 175 | 38 | 32 | 10° | 32 | 25 | 40° | 32 | | | | ○ | ○ | 232271 |
| 3232-175-B17D-10 | 175 | 38 | 32 | 10° | 32 | 25 | 20° | 32 | | | | ○ | ○ | 232272 |
| 4040-175-B17D-10 | 175 | 40 | 40 | 10° | 40 | 25 | 20° | 40 | 13-3/8"~20" | 22ER5BU2-2 | TE17 | ○ | ○ | 232273 |
| 3240-175-B23B-10 | 175 | 38 | 32 | 10° | 32 | 25 | 60° | 32 | | | | ○ | ○ | 232274 |
| 3240-175-B23C-10 | 175 | 38 | 32 | 10° | 32 | 25 | 40° | 32 | | | | 7"~11-1/2" | 27ER5BU2-3 | TE23 |
| 3240-175-B23D-10 | 175 | 38 | 32 | 10° | 32 | 25 | 20° | 32 | ○ | ○ | 232276 | | | |
| 4040-175-B23D-10 | 175 | 40 | 40 | 10° | 40 | 25 | 20° | 40 | ○ | ○ | 232277 | | | |