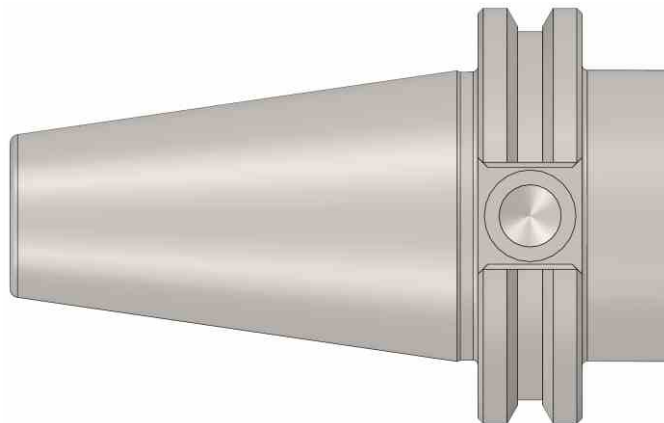


# Precision Tool Holders

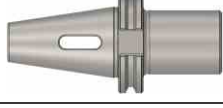
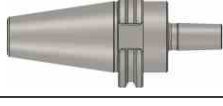
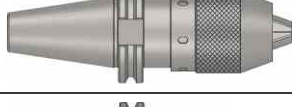
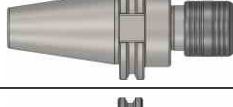
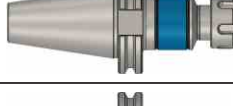
## CAT (ANSI B 5.50)

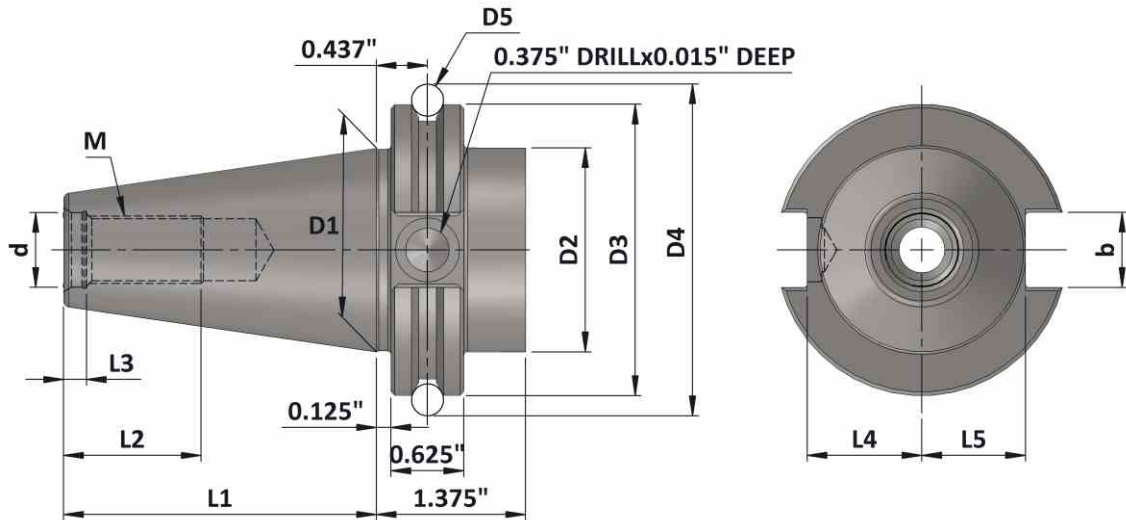


# Precision Tool Holders

## CAT (ANSI B 5.50)

### INDEX

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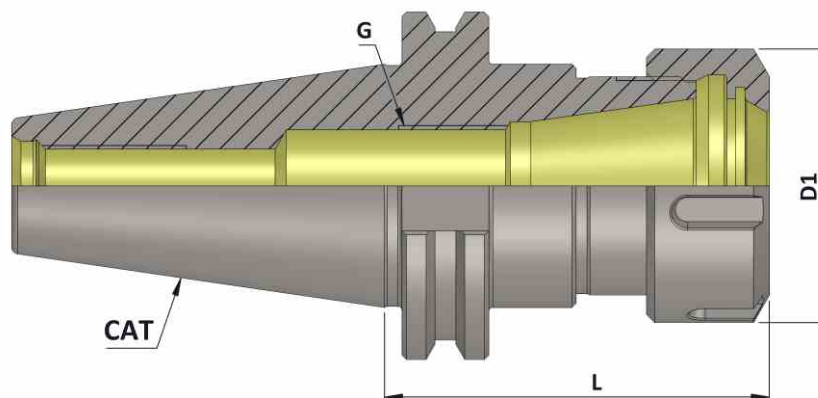


| CAT | d      | D1     | D2     | D3     | D4     | D5      | b      | M<br>UNC 2B | L1     | L2    | L3     | L4     | L5     |
|-----|--------|--------|--------|--------|--------|---------|--------|-------------|--------|-------|--------|--------|--------|
| 40  | 0.641" | 1.750" | 1.750" | 2.500" | 2.863" | 0.2813" | 0.645" | 5/8" - 11"  | 2.687" | 1.12" | 0.188" | 0.985" | 0.890" |
| 50  | 1.031" | 2.750" | 2.750" | 3.875" | 4.238" | 0.2813" | 1.020" | 1" - 8"     | 4.000" | 1.75" | 0.250" | 1.485" | 1.390" |

Material :- Case hardened steel, tensile strength in the core min. 950 N/mm<sup>2</sup>

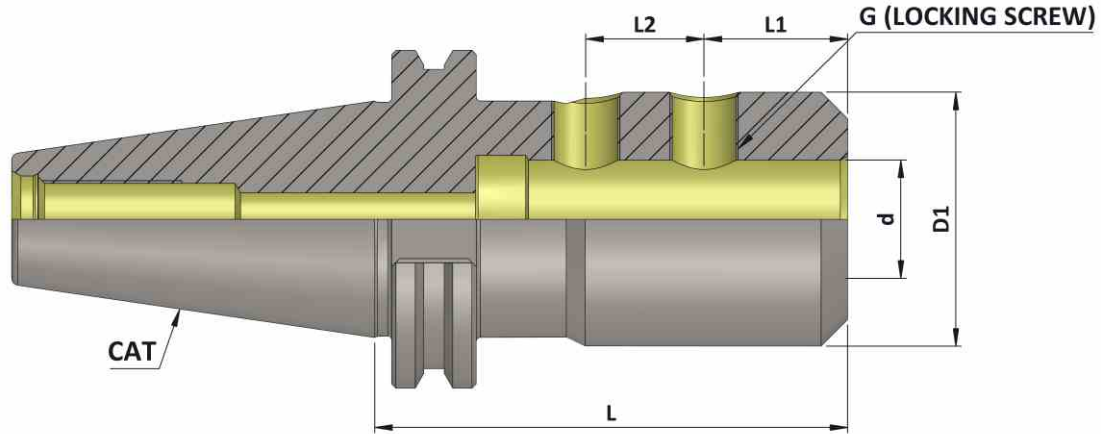
Execution :- Case hardened to HRC 58 ± 2, Case Depth 0.8 mm., Silver finish.

Accuracy :- 7:24 Taper Angle Class AT 3 As per DIN 2080


**CAT (ANSI B 5.50) COLLET CHUCK (ER)**
**(Balanced to 6.3 G 15000 RPM)**

| Item Name                    | Item Code       | CAT | Suitable Collet | Collet Capacity | D1 | G        | L   | Nut     | Spanner |
|------------------------------|-----------------|-----|-----------------|-----------------|----|----------|-----|---------|---------|
| CAT40 ER 16 070 6.3G15000 SL | K10203149125122 | 40  | ER 16           | 0.0156"-0.375"  | 32 | M10X1P   | 70  | UM/ER16 | E16     |
| CAT40 ER 16 100 6.3G15000 SL | K10203149148122 | 40  | ER 16           | 0.0156"-0.375"  | 32 | M10X1P   | 100 | UM/ER16 | E16     |
| CAT40 ER 16 160 6.3G15000 SL | K10203149175122 | 40  | ER 16           | 0.0156"-0.375"  | 32 | M10X1P   | 160 | UM/ER16 | E16     |
| CAT40 ER 20 070 6.3G15000 SL | K10203150125122 | 40  | ER 20           | 0.0625"-0.5"    | 35 | M10X1P   | 70  | UM/ER20 | E20     |
| CAT40 ER 20 100 6.3G15000 SL | K10203150148122 | 40  | ER 20           | 0.0625"-0.5"    | 35 | M10X1P   | 100 | UM/ER20 | E20     |
| CAT40 ER 20 160 6.3G15000 SL | K10203150175122 | 40  | ER 20           | 0.0625"-0.5"    | 35 | M10X1P   | 160 | UM/ER20 | E20     |
| CAT40 ER 25 070 6.3G15000 SL | K10203151125122 | 40  | ER 25           | 0.0625"-0.625"  | 42 | M18X1P   | 70  | UM/ER25 | E25     |
| CAT40 ER 25 100 6.3G15000 SL | K10203151148122 | 40  | ER 25           | 0.0625"-0.625"  | 42 | M18X1P   | 100 | UM/ER25 | E25     |
| CAT40 ER 25 160 6.3G15000 SL | K10203151175122 | 40  | ER 25           | 0.0625"-0.625"  | 42 | M18X1P   | 160 | UM/ER25 | E25     |
| CAT40 ER 32 070 6.3G15000 SL | K10203152125122 | 40  | ER 32           | 0.125"-0.75"    | 50 | M22X1.5P | 70  | UM/ER32 | E32     |
| CAT40 ER 32 100 6.3G15000 SL | K10203152148122 | 40  | ER 32           | 0.125"-0.75"    | 50 | M22X1.5P | 100 | UM/ER32 | E32     |
| CAT40 ER 32 160 6.3G15000 SL | K10203152175122 | 40  | ER 32           | 0.125"-0.75"    | 50 | M22X1.5P | 160 | UM/ER32 | E32     |
| CAT40 ER 40 070 6.3G15000 SL | K10203153125122 | 40  | ER 40           | 0.125"-1.00"    | 63 | M30X1.5P | 70  | UM/ER40 | E40     |
| CAT40 ER 40 100 6.3G15000 SL | K10203153148122 | 40  | ER 40           | 0.125"-1.00"    | 63 | M30X1.5P | 100 | UM/ER40 | E40     |
| CAT40 ER 40 160 6.3G15000 SL | K10203153175122 | 40  | ER 40           | 0.125"-1.00"    | 63 | M30X1.5P | 160 | UM/ER40 | E40     |
| CAT50 ER 25 070 6.3G15000 SL | K10204151125122 | 50  | ER 25           | 0.0625"-0.625"  | 42 | M18X1P   | 70  | UM/ER25 | E25     |
| CAT50 ER 25 100 6.3G15000 SL | K10204151148122 | 50  | ER 25           | 0.0625"-0.625"  | 42 | M18X1P   | 100 | UM/ER25 | E25     |
| CAT50 ER 25 160 6.3G15000 SL | K10204151175122 | 50  | ER 25           | 0.0625"-0.625"  | 42 | M18X1P   | 160 | UM/ER25 | E25     |
| CAT50 ER 32 080 6.3G15000 SL | K10204152131122 | 50  | ER 32           | 0.125"-0.75"    | 50 | M22X1.5P | 80  | UM/ER32 | E32     |
| CAT50 ER 32 100 6.3G15000 SL | K10204152148122 | 50  | ER 32           | 0.125"-0.75"    | 50 | M22X1.5P | 100 | UM/ER32 | E32     |
| CAT50 ER 32 160 6.3G15000 SL | K10204152175122 | 50  | ER 32           | 0.125"-0.75"    | 50 | M22X1.5P | 160 | UM/ER32 | E32     |
| CAT50 ER 40 080 6.3G15000 SL | K10204153131122 | 50  | ER 40           | 0.125"-1.00"    | 63 | M30X1.5P | 80  | UM/ER40 | E40     |
| CAT50 ER 40 100 6.3G15000 SL | K10204153148122 | 50  | ER 40           | 0.125"-1.00"    | 63 | M30X1.5P | 100 | UM/ER40 | E40     |
| CAT50 ER 40 160 6.3G15000 SL | K10204153175122 | 50  | ER 40           | 0.125"-1.00"    | 63 | M30X1.5P | 160 | UM/ER40 | E40     |
| CAT50 ER 50 100 6.3G15000 SL | K10204154148122 | 50  | ER 50           | 0.25"-1.25"     | 78 | M16X2P   | 100 | UM/ER50 | E50     |
| CAT50 ER 50 160 6.3G15000 SL | K10204154175122 | 50  | ER 50           | 0.25"-1.25"     | 78 | M16X2P   | 160 | UM/ER50 | E50     |

☞ For Necessary Accessories Selection Please Refer Page Nos. 213-240 & 243-251

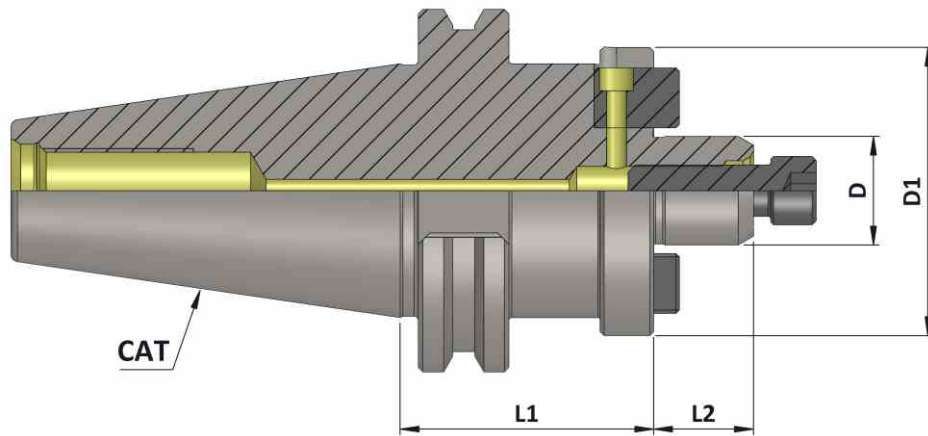


## CAT (ANSI B 5.50) (SLA)

(Balanced to 6.3 G 15000 RPM)

| Item Name                                     | Item Code       | CAT | d      | D1    | L      | L1     | L2     | G                | Screw Qty. |
|-----------------------------------------------|-----------------|-----|--------|-------|--------|--------|--------|------------------|------------|
| CAT40 SLA DIA 1/8" - 2 3/8" AD/6.3G15000 SL   | K10225411301110 | 40  | 1/8"   | 0.69" | 2.375" | 0.370" | -      | 6-32UNCX1/4"     | 1          |
| CAT40 SLA DIA 3/16" - 2 1/2" AD/6.3G15000 SL  | K10225412301110 | 40  | 3/16"  | 0.69" | 2.50"  | 0.562" | -      | 8-32UNCX1/4"     | 1          |
| CAT40 SLA DIA 1/4" - 2 1/2" AD/6.3G15000 SL   | K10225413301122 | 40  | 1/4"   | 0.78" | 2.50"  | 0.630" | -      | 1/4"-28UNFX1/4"  | 1          |
| CAT40 SLA DIA 5/16" - 2 1/2" AD/6.3G15000 SL  | K10225422301122 | 40  | 5/16"  | 0.88" | 2.50"  | 0.630" | -      | 5/16"-24UNFX1/4" | 1          |
| CAT40 SLA DIA 3/8" - 2 1/2" AD/6.3G15000 SL   | K10225415301122 | 40  | 3/8"   | 1.0"  | 2.50"  | 0.750" | -      | 3/8"-24UNFX5/16" | 1          |
| CAT40 SLA DIA 7/16" - 3.00" AD/6.3G15000 SL   | K10225416301122 | 40  | 7/16"  | 1.25" | 3.0"   | 0.875" | -      | 3/8"-24UNFX3/8"  | 1          |
| CAT40 SLA DIA 1/2" - 3.00" AD/6.3G15000 SL    | K10225417301122 | 40  | 1/2"   | 1.25" | 3.0"   | 0.875" | -      | 7/16"-20UNFX3/8" | 1          |
| CAT40 SLA DIA 5/8" - 3.00" AD/6.3G15000 SL    | K10225418301122 | 40  | 5/8"   | 1.50" | 3.0"   | 0.937" | -      | 1/2"-20UNFX7/16" | 1          |
| CAT40 SLA DIA 3/4" - 3.00" AD/6.3G15000 SL    | K10225419301122 | 40  | 3/4"   | 1.75" | 3.0"   | 1.00"  | -      | 5/8"-18UNFX1/2"  | 1          |
| CAT40 SLA DIA 7/8" - 3 1/2" AD/6.3G15000 SL   | K10225420301122 | 40  | 7/8"   | 1.88" | 3.5"   | 1.063" | 0.875" | 5/8"-18UNFX1/2"  | 2          |
| CAT40 SLA DIA 1.0" - 4.00" AD/6.3G15000 SL    | K10225406301122 | 40  | 1.0"   | 2.0"  | 4.0"   | 1.125" | 1.00"  | 3/4"-16UNFX1/2"  | 2          |
| CAT40 SLA DIA 1 1/4" - 4.00"AD/6.3G15000 SL   | K10225514301110 | 40  | 1 1/4" | 2.5"  | 4.0"   | 1.125" | 1.00"  | 3/4"-16UNFX1/2"  | 2          |
| CAT40 SLA DIA 1 1/2" - 4 1/2"AD/6.3G15000 SL  | K10225421301122 | 40  | 1 1/2" | 2.5"  | 4.5"   | 1.125" | 1.00"  | 3/4"-16UNFX1/2"  | 2          |
| CAT50 SLA DIA 1/4" - 2 1/2" AD/6.3G15000 SL   | K10226413301122 | 50  | 1/4"   | 0.78" | 2.50"  | 0.630" | -      | 1/4"-28UNFX1/4"  | 1          |
| CAT50 SLA DIA 5/16" - 2 1/2" AD/6.3G15000 SL  | K10226422301122 | 50  | 5/16"  | 0.88" | 2.50"  | 0.630" | -      | 5/16"-24UNFX1/4" | 1          |
| CAT50 SLA DIA 3/8" - 2 1/2" AD/6.3G15000 SL   | K10226415301122 | 50  | 3/8"   | 1.0"  | 2.50"  | 0.750" | -      | 3/8"-24UNFX5/16" | 1          |
| CAT50 SLA DIA 7/16" - 3.00" AD/6.3G15000 SL   | K10226416301122 | 50  | 7/16"  | 1.25" | 3.0"   | 0.875" | -      | 3/8"-24UNFX3/8"  | 1          |
| CAT50 SLA DIA 1/2" - 3.00" AD/6.3G15000 SL    | K10226417301122 | 50  | 1/2"   | 1.25" | 3.0"   | 0.875" | -      | 7/16"-20UNFX3/8" | 1          |
| CAT50 SLA DIA 5/8" - 3.00" AD/6.3G15000 SL    | K10226418301122 | 50  | 5/8"   | 1.50" | 3.0"   | 0.937" | -      | 1/2"-20UNFX7/16" | 1          |
| CAT50 SLA DIA 3/4" - 3.00" AD/6.3G15000 SL    | K10226419301122 | 50  | 3/4"   | 1.75" | 3.0"   | 1.00"  | -      | 5/8"-18UNFX1/2"  | 1          |
| CAT50 SLA DIA 7/8" - 4.00" AD/6.3G15000 SL    | K10226424301110 | 50  | 7/8"   | 1.88" | 4.0"   | 1.063" | 0.875" | 5/8"-18UNFX1/2"  | 2          |
| CAT50 SLA DIA 1.0" - 4.00" AD/6.3G15000 SL    | K10226406301122 | 50  | 1.0"   | 2.0"  | 4.0"   | 1.125" | 1.00"  | 3/4"-16UNFX1/2"  | 2          |
| CAT50 SLA DIA 1 1/4" - 4.00" AD/6.3G15000 SL  | K10226408301122 | 50  | 1 1/4" | 2.5"  | 4.0"   | 1.125" | 1.00"  | 3/4"-16UNFX1/2"  | 2          |
| CAT50 SLA DIA 1 1/2" - 4 1/2" AD/6.3G15000 SL | K10226421301110 | 50  | 1 1/2" | 2.5"  | 4.5"   | 1.125" | 1.00"  | 3/4"-16UNFX1/2"  | 2          |

Note: All Dimensions are in inch.

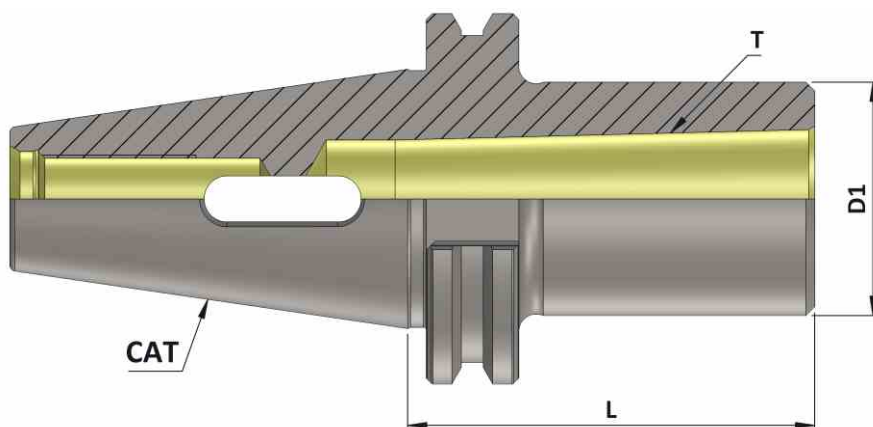


## CAT (ANSI B 5.50) (FMH)

(Balanced to 6.3 G 15000 RPM)

| Item Name                                   | Item Code       | CAT | D      | D1     | L1    | L2     |
|---------------------------------------------|-----------------|-----|--------|--------|-------|--------|
| CAT40 FMH DIA 3/4" - 1 3/4" AD/6.3G15000 SL | K10223403301122 | 40  | 3/4"   | 2.0"   | 1.75" | 0.687" |
| CAT40 FMH DIA 1.0" - 2.00" AD/6.3G15000 SL  | K10223405301110 | 40  | 1.0"   | 2.375" | 2.0"  | 0.687" |
| CAT40 FMH DIA 1 1/4" - 2.0" AD/6.3G15000 SL | K10223407301122 | 40  | 1 1/4" | 2.875" | 2.0"  | 0.687" |
| CAT40 FMH DIA 1 1/2" - 2.0" AD/6.3G15000 SL | K10223506301110 | 40  | 1 1/2" | 3.75"  | 2.0"  | 0.938" |
| CAT50 FMH DIA 3/4" - 1 3/4" AD/6.3G15000 SL | K10224403301110 | 50  | 3/4"   | 2.0"   | 1.75" | 0.687" |
| CAT50 FMH DIA 1.0" - 2.00" AD/6.3G15000 SL  | K10224405301122 | 50  | 1.0"   | 2.375" | 2.0"  | 0.687" |
| CAT50 FMH DIA 1 1/4" - 2.0" AD/6.3G15000 SL | K10224407301122 | 50  | 1 1/4" | 2.875" | 2.0"  | 0.687" |
| CAT50 FMH DIA 1 1/2" - 2.0" AD/6.3G15000 SL | K10224409301110 | 50  | 1 1/2" | 3.75"  | 2.0"  | 0.938" |

Note: All Dimensions are in inch.

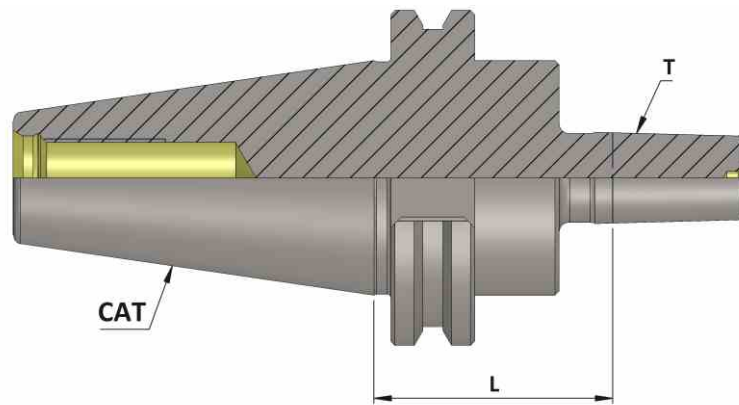


## CAT (ANSI B 5.50) (MTA)

(Balanced to 6.3 G 15000 RPM)

| Item Name                        | Item Code       | CAT | Morse Taper (T) | D1     | L      |
|----------------------------------|-----------------|-----|-----------------|--------|--------|
| CAT40 MT01 - 2.00" 6.3G15000 SL  | K10227426301122 | 40  | 1               | 1.0"   | 2.0"   |
| CAT40 MT02 - 2.00" 6.3G15000 SL  | K10228426301122 | 40  | 2               | 1.25"  | 2.0"   |
| CAT40 MT03 - 2 3/4" 6.3G15000 SL | K10229427301122 | 40  | 3               | 1.574" | 2.75"  |
| CAT40 MT04 - 3 3/4" 6.3G15000 SL | K10230428301122 | 40  | 4               | 1.889" | 3.75"  |
| CAT50 MT01 - 2.00" 6.3G15000 SL  | K10231426301122 | 50  | 1               | 1.0"   | 2.0"   |
| CAT50 MT02 - 2 3/8" 6.3G15000 SL | K10204448301212 | 50  | 2               | 1.25"  | 2.375" |
| CAT50 MT03 - 2 1/2" 6.3G15000 SL | K10233430301122 | 50  | 3               | 1.574" | 2.5"   |
| CAT50 MT04 - 3 3/4" 6.3G15000 SL | K10234428301122 | 50  | 4               | 1.889" | 3.75"  |
| CAT50 MT05 - 4 3/4" 6.3G15000 SL | K10240431301122 | 50  | 5               | 2.48"  | 4.75"  |

Note: All Dimensions are in inch.

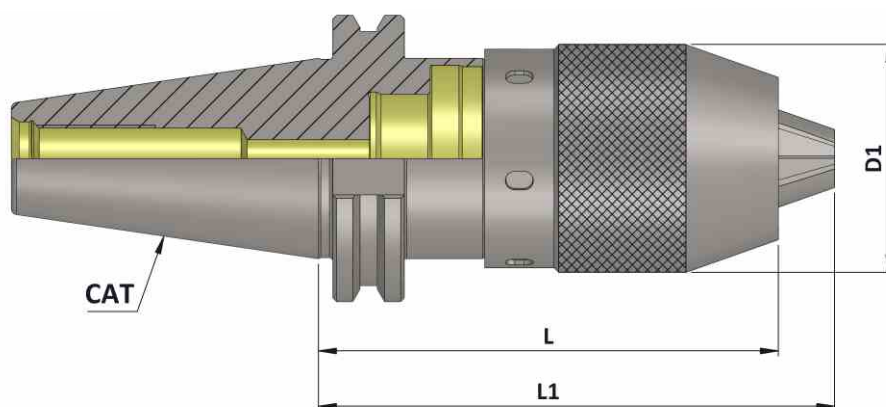


## CAT (ANSI B 5.50) Arbor

| Item Name             | Item Code       | CAT | T      | L     |
|-----------------------|-----------------|-----|--------|-------|
| CAT40 J6 ARBOR 1 3/4" | K10203160343127 | 40  | 0.676" | 1.75" |
| CAT50 J6 ARBOR 1 3/4" | K10204160343127 | 50  | 0.676" | 1.75" |

Note: All Dimensions are in inch.

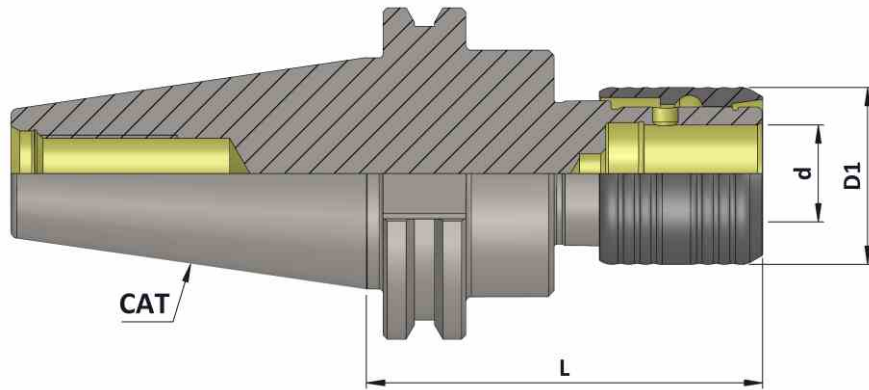




## CAT (ANSI B 5.50) (NCDC)

| Item Name              | Item Code       | CAT | D1     | L    | L1   |
|------------------------|-----------------|-----|--------|------|------|
| CAT40 NCDC 1-13 - 4.0" | K10203425301127 | 40  | 1.969" | 4.0" | 4.5" |
| CAT50 NCDC 1-13 - 4.0" | K10204425301127 | 50  | 1.969" | 4.0" | 4.5" |

Note: All Dimensions are in inch.

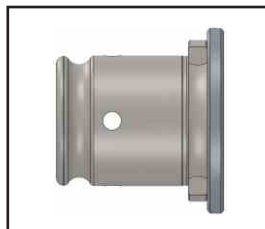
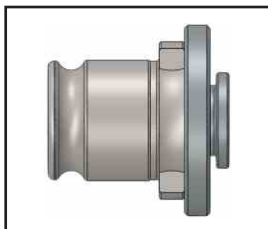


## CAT (ANSI B 5.50) (Q)

(No Compression & No Expansion)

| Item Name      | Item Code       | CAT | Capacity | Suitable Adaptor | d  | D1 | L   |
|----------------|-----------------|-----|----------|------------------|----|----|-----|
| CAT40 Q 3 - 12 | K10203604407182 | 40  | M3 - M12 | KWE1             | 19 | 38 | 78  |
| CAT40 Q 8 - 20 | K10203604421182 | 40  | M8 - M20 | KWE2             | 31 | 54 | 111 |

## Accessories

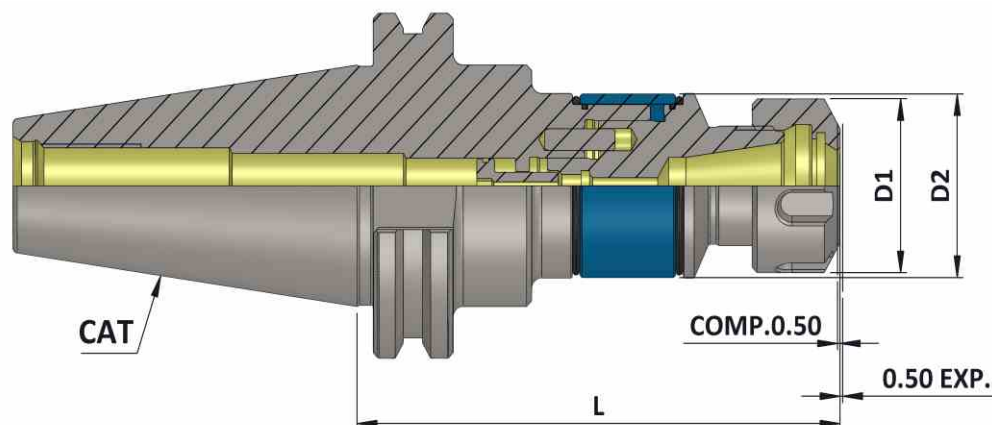


For Tap Adaptor KWE & KWEK  
Ref. Page No. 253-258 & 263-264



For Tap Adaptor  
Reduction Socket KWRE  
Ref. Page No. 289

☞ For Tap Shank Dimension & Recommended Torque Values Ref. Page No. 290-292



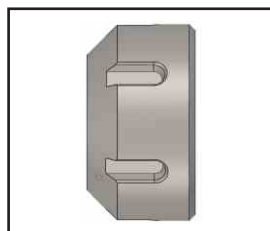
## CAT (ANSI B 5.50) (MLC)

| Item Name                 | Item Code       | CAT | Capacity | Clamping Range | Nut Size | D1 | D2 | L   | Comp. | Exp. |
|---------------------------|-----------------|-----|----------|----------------|----------|----|----|-----|-------|------|
| CAT40 ER 16M 095 AD+B MLC | K10203157145250 | 40  | M3 - M12 | 1 - 10         | ER 16M   | 22 | 34 | 95  | 0.5   | 0.5  |
| CAT40 ER 16 095 AD+B MLC  | K10203149145250 | 40  | M3 - M12 | 1 - 10         | ER 16    | 32 | 34 | 95  | 0.5   | 0.5  |
| CAT40 ER 20 096 AD+B MLC  | K10203150262250 | 40  | M3 - M16 | 3.5 - 10       | ER 20    | 35 | 34 | 96  | 0.5   | 0.5  |
| CAT40 ER 25 100 AD+B MLC  | K10203151148250 | 40  | M3 - M20 | 3.5 - 16       | ER 25    | 42 | 45 | 100 | 0.5   | 0.5  |
| CAT40 ER 32 111 AD+B MLC  | K10203152156250 | 40  | M4 - M27 | 3.5 - 20       | ER 32    | 50 | 45 | 111 | 0.5   | 0.5  |
| CAT40 ER 40 136 AD+B MLC  | K10203153242250 | 40  | M6 - M33 | 6 - 26         | ER 40    | 63 | 62 | 136 | 0.5   | 0.5  |
| CAT50 ER 16M 095 AD+B MLC | K10204157548250 | 50  | M3 - M12 | 1 - 10         | ER 16M   | 22 | 34 | 95  | 0.5   | 0.5  |
| CAT50 ER 16 095 AD+B MLC  | K10204149145250 | 50  | M3 - M12 | 1 - 10         | ER 16    | 32 | 34 | 95  | 0.5   | 0.5  |
| CAT50 ER 20 096 AD+B MLC  | K10204150262250 | 50  | M3 - M16 | 3.5 - 10       | ER 20    | 35 | 34 | 96  | 0.5   | 0.5  |
| CAT50 ER 25 100 AD+B MLC  | K10204151148250 | 50  | M3 - M20 | 3.5 - 16       | ER 25    | 42 | 45 | 100 | 0.5   | 0.5  |
| CAT50 ER 32 111 AD+B MLC  | K10204152157250 | 50  | M4 - M27 | 3.5 - 20       | ER 32    | 50 | 45 | 111 | 0.5   | 0.5  |
| CAT50 ER 40 121 AD+B MLC  | K10204153240250 | 50  | M6 - M33 | 6 - 26         | ER 40    | 63 | 62 | 121 | 0.5   | 0.5  |

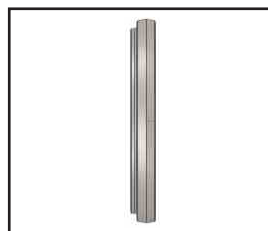
## Accessories



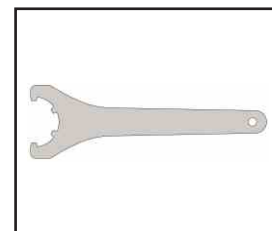
For Tap Collet ER G  
Ref. Page No. 236-240



For ER Sealed Nut  
Ref. Page No. 217-218

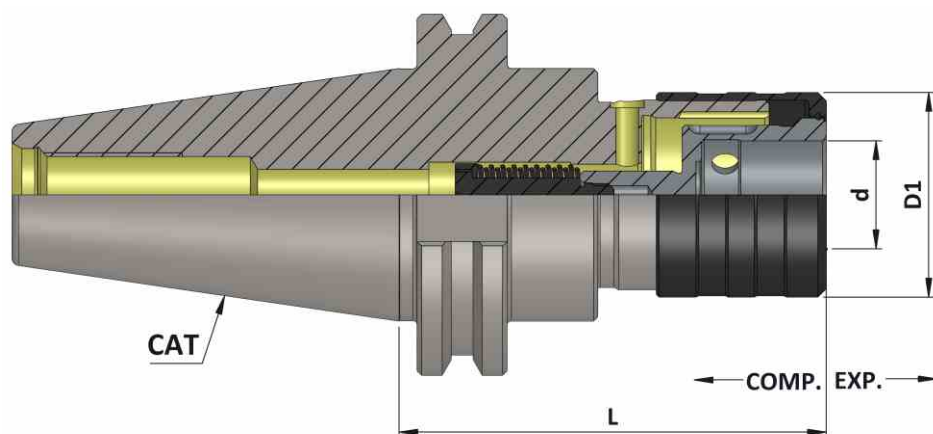


For Sealing Disc  
Ref. Page No. 219-226



For Spanner  
Ref. Page No. 215

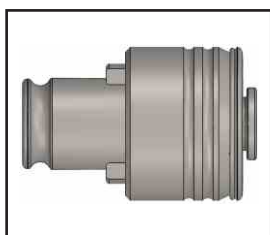
☞ For Tap Shank Dimension & Recommended Torque Values Ref. Page No. 290-292



## CAT (ANSI B 5.50) (KWFLK)

| Item Name        | Item Code       | CAT | Capacity  | Suitable Adaptor | Comp. | Exp. | d  | D1 | L   |
|------------------|-----------------|-----|-----------|------------------|-------|------|----|----|-----|
| CAT40 KWFLK1 076 | K10203169301127 | 40  | M3 - M12  | KWES1B           | 7.5   | 7.5  | 19 | 36 | 76  |
| CAT40 KWFLK2 100 | K10203170301127 | 40  | M8 - M20  | KWES2B           | 12.5  | 12.5 | 31 | 53 | 100 |
| CAT40 KWFLK3 150 | K10203171301127 | 40  | M14 - M33 | KWES3B           | 20    | 20   | 48 | 78 | 150 |
| CAT50 KWFLK1 076 | K10204169301127 | 50  | M3 - M12  | KWES1B           | 7.5   | 7.5  | 19 | 36 | 76  |
| CAT50 KWFLK2 100 | K10204170301127 | 50  | M8 - M20  | KWES2B           | 12.5  | 12.5 | 31 | 53 | 100 |
| CAT50 KWFLK3 140 | K10204171301127 | 50  | M14 - M33 | KWES3B           | 20    | 20   | 48 | 78 | 140 |
| CAT50 KWFLK4 152 | K10204172301127 | 50  | M22 - M48 | KWES4B           | 22.5  | 22.5 | 60 | 96 | 152 |

## Accessories



For Tap Adaptor KWES..B & KWESK..B  
Ref. Page No. 267-288



For Tap Adaptor  
Reduction Socket KWRE  
Ref. Page No. 289

☞ For Tap Shank Dimension & Recommended Torque Values Ref. Page No. 290-292