|  |  |  |  |
| :---: | :---: | :---: | :---: |
| Rozměry upínacích pouzder Taper / Taper Bushes Dimensions |  |  |  |
| Typ | mm/inch | Standardní průměry děr / Standard Bore Diameter D |  |
| 1008 | [mm] <br> " [inch] | $\begin{array}{\|l\|} \hline 9,10,11,12,14,15,16,18,19,20,22,24,25^{*} \\ 3 / 8,7 / 16,1 / 2,9 / 16,5 / 8,11 / 16,3 / 4,13 / 16,7 / 8,15 / 16^{*}, 1^{*} \end{array}$ |  |
| 1108 | [mm] <br> " [inch] | $\begin{array}{\|l\|} \hline 9,10,11,12,14,15,16,18,19,20,22,24,25,28^{*} \\ 3 / 8,7 / 16,1 / 2,9 / 16,5 / 8,11 / 16,3 / 4,13 / 16,7 / 8,15 / 16,1,11 / 16^{*}, 11 / 8^{*} \\ \hline \end{array}$ |  |
| 1210 | [mm] <br> " [inch] | $\begin{array}{\|l\|l\|} \hline 11,12,14,15,16,18,19,20,22,24,25,28,30,32 \\ 1 / 2,9 / 16,5 / 8,11 / 16,3 / 4,13 / 16,7 / 8,15 / 16,1,11 / 16,11 / 8,13 / 16,11 / 4 \\ \hline \end{array}$ |  |
| 1215 | [mm] <br> " [inch] | $11,12,14,15,16,18,19,20,22,24,25,28,30,32$ <br> 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, $13 / 16,11 / 4$ |  |
| 1310 | [mm] <br> " [inch] | $\begin{array}{\|l} \hline \mathbf{1 2}, \mathbf{1 4}, \mathbf{1 5}, \mathbf{1 6}, \mathbf{1 8}, 19,20,22,24,25,28,30,32,35^{*} \\ 1 / 2,9 / 16,5 / 8,11 / 16,3 / 4,13 / 16,7 / 8,15 / 16,1,11 / 16,11 / 8,13 / 16,11 / 4,15 / 16,13 / 8 \\ \hline \end{array}$ |  |
| 1610 | [mm] <br> " [inch] | $\begin{array}{\|l\|} \hline \mathbf{1 2 , ~ 1 4 , ~ 1 5 , ~ 1 6 , ~ 1 8 , ~ 1 9 , ~ 2 0 , ~ 2 2 , ~ 2 4 , ~ 2 5 , ~ 2 8 , ~ 3 0 , ~ 3 2 , ~ 3 5 , ~ 3 8 , ~ 4 0 , ~} 42 \\ 1 / 2,9 / 16,5 / 8,11 / 16,3 / 4,13 / 16,7 / 8,15 / 16,1,11 / 16,11 / 8,13 / 16,11 / 4,15 / 16,13 / 8,17 / 16,11 / 2,15 / 8 \\ \hline \end{array}$ |  |
| 1615 | [mm] <br> " [inch] | $\begin{array}{\|l\|} \hline \begin{array}{l} 12,14,15,16,18, ~ 19, ~ 20, ~ 22, ~ 24, ~ 25, ~ 28, ~ 30, ~ 32, ~ 35, ~ 38, ~ 40, ~ \end{array} 2^{*} \\ 1 / 2,9 / 16,5 / 8,11 / 16,3 / 4,13 / 16,7 / 8,15 / 16,1,11 / 16,11 / 8,13 / 16,11 / 4,15 / 16,13 / 8,17 / 16,11 / 2,15 / 8^{*} \\ \hline \end{array}$ |  |
| 2012 | [mm] <br> " [inch] | $\begin{array}{\|l} \hline \mathbf{1 4 , ~ 1 5 , ~ 1 6 , ~ 1 8 , ~ 1 9 , ~ 2 0 , ~ 2 2 , ~ 2 4 , ~ 2 5 , ~ 2 8 , ~ 3 0 , ~ 3 2 , ~ 3 5 , ~ 3 8 , ~ 4 0 , ~ 4 2 , ~ 4 5 , ~ 4 8 , ~} 50 \\ 3 / 4,13 / 16,7 / 8,15 / 16,1,11 / 16,11 / 8,13 / 16,11 / 4,15 / 16,13 / 8,17 / 16,11 / 2,15 / 8,13 / 4,17 / 8,2 \\ \hline \end{array}$ |  |
| 2517 | $\begin{gathered} {[\mathrm{mm}]} \\ "[\text { inch }] \end{gathered}$ | $\begin{array}{\|l\|} \hline 19,20,22,24,25,28,30,32,35,38,40,42,45,48,50,55,60,65 \\ 3 / 4,13 / 16,7 / 8,15 / 16,1,11 / 16,11 / 8,13 / 16,11 / 4,15 / 16,13 / 8,17 / 16,11 / 2,15 / 8,13 / 4,17 / 8,2 \\ \hline \end{array}$ |  |
| 3020 | [mm] <br> " [inch] | $\begin{aligned} & \hline 25,28,30,32,35,38,40,42,45,48,50,55,60,65,70,75 \\ & 11 / 4,15 / 16,13 / 8,17 / 16,11 / 2,15 / 8,13 / 4,17 / 8,2,21 / 8,21 / 4,23 / 8,21 / 2,25 / 8,23 / 4,27 / 8,3 \\ & \hline \end{aligned}$ |  |
| 3030 | [mm] <br> " [inch] | $\begin{array}{\|l} \hline \mathbf{2 5 , 2 8}, \mathbf{3 0}, \mathbf{3 2}, 35,38,40,42,45,48,50,55,60,65,70,75 \\ 11 / 4,15 / 16,13 / 8,17 / 16,11 / 2,15 / 8,13 / 4,17 / 8,2,21 / 8,21 / 4,23 / 8,21 / 2,25 / 8,23 / 4,27 / 8,3 \\ \hline \end{array}$ |  |
| 3525 | $\begin{gathered} \hline[\mathrm{mm}] \\ "[\text { inch }] \\ \hline \end{gathered}$ | $\begin{array}{\|l\|l\|} \hline \mathbf{2 8}, 30,32,35,38,40,42,45,48,50,55,60,65,70,75,80,85,90 \\ 11 / 2,15 / 8,13 / 4,17 / 8,2,21 / 8,21 / 4,23 / 8,21 / 2,25 / 8,23 / 4,27 / 8,3,31 / 8,31 / 4,33 / 8,31 / 2^{*} \\ \hline \end{array}$ |  |
| 3535 | [mm] <br> " [inch] | $\begin{array}{\|l} \hline 28,30,32,35,38,40,42,45,48,50,55,60,65,70,75,80,85,90 \\ 11 / 2,15 / 8,13 / 4,17 / 8,2,21 / 8,21 / 4,23 / 8,21 / 2,25 / 8,23 / 4,27 / 8,3,31 / 8,31 / 4,33 / 8,31 / 2^{*} \end{array}$ |  |
| 4030 | [mm] <br> " [inch] |  |  |
| 4040 | [mm] <br> " [inch] | $40,42,45,48,50,55,60,65,70,75,80,85,90,95,100$ $13 / 4,17 / 8,2,21 / 8,21 / 4,23 / 8,21 / 2,25 / 8,23 / 4,27 / 8,3,31 / 8,31 / 4,33 / 8,31 / 2,33 / 4^{*}, 4^{*}$ |  |
| 4535 | [mm] <br> " [inch] | $\begin{array}{\|l\|} \hline 55,60,65,70,75,80,85,90,95,100,105,110 \\ 21 / 4,23 / 8,21 / 2,25 / 8,23 / 4,27 / 8,3,31 / 8,31 / 4,33 / 8,31 / 2,33 / 4,4,41 / 4^{*}, 41 / 2^{*} \\ \hline \end{array}$ |  |
| 4545 | [mm] <br> " [inch] | $\begin{array}{\|l} \hline 55,60,65,70,75,80,85,90,95,100,105,110 \\ 21 / 4,23 / 8,21 / 2,25 / 8,23 / 4,27 / 8,3,31 / 8,31 / 4,33 / 8,31 / 2,33 / 4,4,41 / 4^{*}, 41 / 2^{*} \\ \hline \end{array}$ |  |
| 5040 | [mm] <br> " [inch] | $\begin{array}{\|l\|} \hline 70,75,80,85,90,95,100,105,110,115,120,125 \\ 23 / 4,27 / 8,3,31 / 8,31 / 4,33 / 8,31 / 2,33 / 4,4,41 / 4,41 / 2,43 / 4,5^{*} \\ \hline \end{array}$ |  |
| 5050 | [mm] <br> " [inch] | $70,75,80,85,90,95,100,105,110,115,120,125$ $23 / 4,27 / 8,3,31 / 8,31 / 4,33 / 8,31 / 2,33 / 4,4,41 / 4,41 / 2,43 / 4,5^{*}$ |  |


| Rozměry per dle UNI 6604-69 / DIN 6885 / Keyway UNI 6604-69 / DIN 6885 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| $\mathrm{D}[\mathrm{mm}]$ | $\mathrm{b}[\mathrm{mm}]$ | $\mathrm{h}[\mathrm{mm}]$ | $\mathrm{D}[\mathrm{inch}]$ | b [inch] | $\mathrm{h}[$ inch $]$ |
| $10 \div 12$ | 4 | 1,8 | $3 / 8 \div 1 / 2$ | $1 / 8$ | $1 / 16$ |
| $13 \div 17$ | 5 | 2,3 | $9 / 16 \div 3 / 4$ | $3 / 16$ | $3 / 32$ |
| $18 \div 22$ | 6 | 2,8 | $13 / 16 \div 1$ | $1 / 4$ | $1 / 8$ |
| $23 \div 30$ | 8 | 3,3 | $1 / 16 \div 1-1 / 4$ | $5 / 16$ | $1 / 8$ |
| $31 \div 38$ | 10 | 3,3 | $1-5 / 16 \div 1-1 / 2$ | $3 / 8$ | $1 / 8$ |
| $39 \div 44$ | 12 | 3,3 | $1-5 / 8 \div 1-3 / 4$ | $7 / 16$ | $5 / 32$ |
| $45 \div 50$ | 14 | 3,8 | $1-7 / 8 \div 2$ | $1 / 2$ | $5 / 32$ |
| $51 \div 58$ | 16 | 4,3 | $2-1 / 8 \div 2-1 / 2$ | $5 / 8$ | $7 / 32$ |
| $59 \div 65$ | 18 | 4,4 | $2-5 / 8 \div 3$ | $3 / 4$ | $1 / 4$ |
| $66 \div 75$ | 20 | 4,9 | $3-1 / 8 \div 3-1 / 2$ | $7 / 8$ | $5 / 16$ |
| $76 \div 85$ | 22 | 5,4 | $3-3 / 4 \div 4$ | 1 | $3 / 8$ |
| $86 \div 95$ | 25 | 5,4 | $4-1 / 4 \div 5$ | $11 / 4$ | $7 / 16$ |
| $196 \div 110$ | 28 | 6,4 |  |  |  |
| $111 \div 130$ | 32 | 7,4 |  |  |  |



## Materiál:

GG20 = šedá litina / GG20 = iron cast

* ST = ocel / * ST = steel

Pozor rozměry se sníženým perem / Dimensions with reduced keyway
TB 1008-24,25 ... h=1,3mm
TB 1615-42 ... h=2,2mm

TB 1108-28 ... h=1,3mm TB 2517-65 ... h=2,8mm
TB 1310-35 ... $\mathrm{h}=1,3 \mathrm{~mm}$
Příklad objednávky: Obj.číslo/ Part.No. $=\mathrm{TB}$ 1610-25

Upínací pouzdra Taper / Taper Bushes

| Typ-Obj.č. <br> Part.No. | Rozměry / Dimensions |  |  | $\begin{aligned} & \text { Typ } \\ & \text { Type } \end{aligned}$ | Up.šrouby/Clamp.Screws |  |  | Moment/Torque |  |  | Svěrná síla Clamp.force [ N ] | Hmotnost <br> Weight <br> [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | D od-do <br> [mm] | D max <br> [mm] | $\begin{gathered} \mathrm{L} \\ {[\mathrm{~mm}]} \end{gathered}$ |  | Typ/ <br> Type | Klič <br> Wrench | Moment/ <br> Torq.Nm | $\begin{gathered} D= \\ {[\mathrm{mm}]} \end{gathered}$ | bez pera <br> [ Nm ] | s perem <br> [Nm] |  |  |
| 1008 | 10-25 $D=9,10,1$ | 35,0 $2,14,15$, | 22,3 $18,19,20$ | A A | 1/4x1/2 | 3 | 5,7 (4,7)* | $\begin{aligned} & 12 \\ & 19 \\ & 24 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 22 \\ & 37 \\ & 58 \\ & \hline \end{aligned}$ | 136 | $\begin{aligned} & 3990 \\ & 4940 \\ & 5490 \\ & \hline \end{aligned}$ | 0,12 |
| 1108 | 10-28 $D=9,10$, | 38,0 $12,14,15$ | 22,3 $18,19,20$ | A | $\begin{aligned} & 1 / 4 \times 1 / 2 \\ & 5,28 \\ & \hline \end{aligned}$ | 3 | 5,7 (4,7)* | $\begin{aligned} & 19 \\ & 24 \\ & 28 \end{aligned}$ | $\begin{aligned} & 40 \\ & 62 \\ & 71 \\ & \hline \end{aligned}$ | 147 | $\begin{aligned} & \hline 4630 \\ & 5220 \\ & 5720 \\ & \hline \end{aligned}$ | 0,16 |
| 1210 1215 | $\begin{gathered} \hline 11-32 \\ 11-32 \\ D=11,12, \end{gathered}$ | 47,5 47,5 $15,16,18$ | $\begin{array}{r} \hline 25,4 \\ 38,1 \\ , 20,22, \\ \hline \end{array}$ | A <br> 25,28, | $3 / 8 \times 5 / 8$ <br> 3/8x5/8 | $\begin{aligned} & \hline 5 \\ & 5 \end{aligned}$ | $\begin{aligned} & 20(15)^{*} \\ & 20(15)^{*} \end{aligned}$ | $\begin{aligned} & 19 \\ & 24 \\ & 32 \end{aligned}$ | $\begin{aligned} & \hline 105 \\ & 140 \\ & 180 \\ & \hline \end{aligned}$ | $\begin{aligned} & 407 \\ & 407 \end{aligned}$ | $\begin{gathered} \hline 9800 \\ 10900 \\ 12300 \\ \hline \end{gathered}$ | 0,28 |
| 1310 | $\begin{gathered} 12-35 \\ D=12,14, \end{gathered}$ | $\begin{gathered} 50,5 \\ 16,18,13 \\ \hline \end{gathered}$ | $\begin{gathered} 25,4 \\ 0,22,24, \end{gathered}$ | $\begin{gathered} \text { A } \\ 28,30, \\ \hline \end{gathered}$ | $\begin{aligned} & 3 / 8 \times 5 / 8 \\ & 32,35 \end{aligned}$ | $5$ | 20 (15)* | $\begin{aligned} & 14 \\ & 25 \\ & 35 \end{aligned}$ | $\begin{gathered} \hline 59 \\ 120 \\ 210 \\ \hline \end{gathered}$ | 435 | $\begin{gathered} \hline 8840 \\ 10900 \\ 12300 \\ \hline \end{gathered}$ | 0,39 |
| 1610 1615 | $\begin{gathered} 14-42 \\ 14-42 \\ D=12,14, \end{gathered}$ | 57,0 57,0 $16,18,19$ | 25,4 38,1 22,24, | A 28, 30, | 3/8x5/8 <br> 3/8x5/8 <br> $2,35,38,40$, |  | $\begin{aligned} & 20(15)^{*} \\ & 20(15)^{*} \end{aligned}$ | $\begin{aligned} & 19 \\ & 24 \\ & 38 \\ & 42 \end{aligned}$ | $\begin{gathered} 98 \\ 135 \\ 240 \\ 265 \end{gathered}$ | 486 486 | $\begin{aligned} & \hline 8500 \\ & 9570 \\ & 11900 \\ & 12700 \end{aligned}$ | $\begin{aligned} & 0,32 \\ & 0,61 \end{aligned}$ |
| $\begin{aligned} & 2012 \\ & 2017 \end{aligned}$ | $\begin{gathered} 14-50 \\ 14-50 \\ D=14,15, \end{gathered}$ | 70,0 70,0 $18,19,20$ | 31,8 44,5 24,25, | A | 7/16x7/8 <br> 7/16x7/8 |  | $\begin{aligned} & 31(25)^{*} \\ & 31(25)^{*} \end{aligned}$ | $\begin{aligned} & 24 \\ & 38 \\ & 50 \end{aligned}$ | $\begin{aligned} & 165 \\ & 310 \\ & 420 \end{aligned}$ | $\begin{aligned} & 808 \\ & 808 \end{aligned}$ | $\begin{aligned} & \hline 11500 \\ & 14400 \\ & 16700 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0,75 \\ & 0,90 \end{aligned}$ |
| $\begin{aligned} & 2517 \\ & 2525 \end{aligned}$ | $16-60$ $16-60$ | 85,5 85,5 $24,25,2$ | 44,5 63,5 $, 32,35$ | A 40,42, | $1 / 2 \times 1$ <br> 1/2x1 <br> $5,48,50,55$ |  | $\begin{aligned} & 49(35)^{*} \\ & 49(35)^{*} \end{aligned}$ | $\begin{aligned} & \hline 38 \\ & 48 \\ & 60 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 380 \\ & 510 \\ & 690 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1311 \\ & 1311 \end{aligned}$ | $\begin{aligned} & \hline 17000 \\ & 19200 \\ & 22300 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1,10 \\ & 2,25 \end{aligned}$ |
| 3020 3030 | $\begin{gathered} 25-75 \\ 25-75 \\ D=25,28, \end{gathered}$ | 108,0 108,0 $32,35,38$ | 50,8 <br> 76,2 <br> 42,45, | A | $5 / 8 \times 1$ 1/4 <br> 5/8×1 1/4 <br> 65, 70, 75 | $\begin{aligned} & 8 \\ & 8 \end{aligned}$ | $\begin{aligned} & 92(70)^{*} \\ & 92(70)^{*} \end{aligned}$ | $\begin{aligned} & 38 \\ & 48 \\ & 60 \\ & 75 \end{aligned}$ | $\begin{gathered} 480 \\ 600 \\ 900 \\ 1300 \end{gathered}$ | 2712 2712 | $\begin{aligned} & 23900 \\ & 26100 \\ & 31500 \\ & 34500 \end{aligned}$ | 2,61 3,80 |
| 3525 3535 | $\begin{gathered} 35-90 \\ 35-90 \\ D=28,30, \end{gathered}$ | 127,0 127,0 $35,38,40$ | 63,5 88,9 $45,48,50$ | B 55,60 | $1 / 2 \times 11 / 2$ <br> $1 / 2 \times 1$ 1/2 | $\begin{array}{r} 10 \\ 10 \\ 85,90 \\ \hline \end{array}$ | $\begin{aligned} & 115 \\ & 115 \end{aligned}$ | $\begin{aligned} & 42 \\ & 60 \\ & 90 \end{aligned}$ | $\begin{gathered} \hline 700 \\ 1450 \\ 2300 \\ \hline \end{gathered}$ | 5062 5062 | $\begin{aligned} & \hline 41000 \\ & 49800 \\ & 59000 \\ & \hline \end{aligned}$ | 3,90 5,25 |
| 4030 4040 | $\begin{aligned} & 40-100 \\ & 40-100 \end{aligned}$ $D=40,42,$ | 146,0 146,0 $48,50,55$ | 76,2 101,6 65,70, | B <br> 80,85, | 5/8×13/4 5/8×13/4 | $\begin{aligned} & \hline 1 / 2^{\prime \prime} \\ & 1 / 2^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 170 \\ & 170 \end{aligned}$ | $\begin{gathered} 48 \\ 75 \\ 100 \end{gathered}$ | $\begin{aligned} & \hline 1250 \\ & 2200 \\ & 3460 \\ & \hline \end{aligned}$ | 8735 8735 | $\begin{aligned} & \hline 68000 \\ & 77200 \\ & 89400 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7,10 \\ & 7,80 \end{aligned}$ |
| 4535 4545 | $\begin{aligned} & 55-110 \\ & 55-110 \end{aligned}$ | 162,0 162,0 $70,75,8$ | 88,9 114,3 50,95 | B | $\begin{array}{r} 3 / 4 \times 2 \\ 3 / 4 \times 2 \\ 10 \end{array}$ | $\begin{aligned} & \hline 9 / 16^{\prime \prime} \\ & 9 / 16^{\prime \prime} \end{aligned}$ | 190 190 | $\begin{gathered} 55 \\ 75 \\ 100 \\ \hline \end{gathered}$ | $\begin{aligned} & 1840 \\ & 3000 \\ & 4500 \\ & \hline \end{aligned}$ | 12430 | $\begin{gathered} 79600 \\ 93000 \\ 107700 \end{gathered}$ | $\begin{aligned} & 11,80 \\ & 12,80 \end{aligned}$ |
| 5040 5050 | $70-125$ $70-125$ $D=70,75$, | 177,5 177,5 $85,90,95$ | 101,6 127,0 $0,105,1$ | B | $7 / 8 \times 2$ 1/4 $7 / 8 \times 2$ 1/4 125 | 9/16" $9 / 16 "$ | 270 270 | $\begin{gathered} 75 \\ 100 \\ 125 \end{gathered}$ | $\begin{aligned} & \hline 3250 \\ & 4800 \\ & 5900 \\ & \hline \end{aligned}$ | 14238 | $\begin{gathered} 91800 \\ 106600 \\ 119500 \end{gathered}$ | 14,20 15,30 |

* Snížené hodnoty utahovacích momentů při montáži na hřídel s perem / Installation with key

TB 6050, TB 7060 a jiné rozměry nabízíme na základě poptávky / TB 6050, TB 7060 and other dimensions can be manufactured on request.

