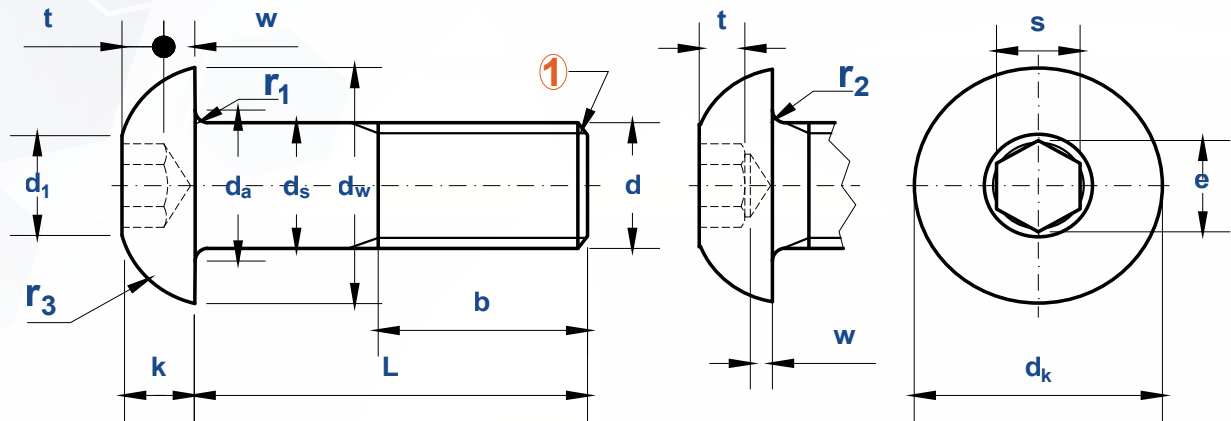




① Point chamfered or for sizes  $\leq M4$  "as rolled"

| Thread Size<br>d        |                        | M3    | M4    | M5    | M6    | M8    | M10   | M12   | M16    |
|-------------------------|------------------------|-------|-------|-------|-------|-------|-------|-------|--------|
| P                       | Pitch                  | 0.5   | 0.7   | 0.8   | 1     | 1.25  | 1.5   | 1.75  | 2      |
| b                       | Ref.                   | 18    | 20    | 22    | 24    | 28    | 32    | 36    | 44     |
| $d_a$                   | max                    | 3.6   | 4.7   | 5.7   | 6.8   | 9.2   | 11.2  | 13.7  | 17.7   |
| $d_k$                   | max                    | 5.7   | 7.6   | 9.5   | 10.5  | 14    | 17.5  | 21    | 28     |
|                         | min                    | 5.4   | 7.24  | 9.14  | 10.07 | 13.57 | 17.07 | 20.48 | 27.48  |
| $d_1$                   | Ref.                   | 2.6   | 3.8   | 5.0   | 6.0   | 7.7   | 10.0  | 12.0  | 16.0   |
| $d_s$                   | max                    | 3     | 4     | 5     | 6     | 8     | 10    | 12    | 16     |
|                         | min                    | 2.86  | 3.82  | 4.82  | 5.82  | 7.78  | 9.78  | 11.73 | 15.73  |
| $d_w$                   | min                    | 5.00  | 6.84  | 8.74  | 9.57  | 13.07 | 16.57 | 19.68 | 26.68  |
| e                       | min                    | 2.303 | 2.873 | 3.443 | 4.583 | 5.723 | 6.863 | 9.149 | 11.429 |
| k                       | max                    | 1.65  | 2.20  | 2.75  | 3.3   | 4.4   | 5.5   | 6.60  | 8.80   |
|                         | min                    | 1.40  | 1.95  | 2.50  | 3.0   | 4.1   | 5.2   | 6.24  | 8.44   |
| $r_3$                   | max                    | 3.70  | 4.60  | 5.75  | 6.15  | 7.95  | 9.80  | 11.20 | 15.30  |
|                         | min                    | 3.30  | 4.20  | 5.25  | 5.65  | 7.45  | 9.20  | 10.50 | 14.50  |
| $r_1$                   | min                    | 0.10  | 0.20  | 0.20  | 0.25  | 0.40  | 0.40  | 0.60  | 0.60   |
| $r_2$                   | min                    | 0.30  | 0.40  | 0.45  | 0.50  | 0.70  | 0.70  | 1.10  | 1.10   |
| s                       | Nominal Size           | 2     | 2.5   | 3     | 4     | 5     | 6     | 8     | 10     |
|                         | max                    | 2.08  | 2.58  | 3.08  | 4.095 | 5.14  | 6.14  | 8.175 | 10.175 |
|                         | min                    | 2.02  | 2.52  | 3.02  | 4.02  | 5.02  | 6.02  | 8.025 | 10.025 |
| t                       | min                    | 1.04  | 1.3   | 1.56  | 2.08  | 2.6   | 3.12  | 4.16  | 5.2    |
| w                       | min                    | 0.20  | 0.30  | 0.38  | 0.74  | 1.05  | 1.45  | 1.63  | 2.25   |
| Minimum tensile load(N) | 8.8 <sup>②</sup>       | 3220  | 5620  | 9080  | 12900 | 23400 | 37100 | 53900 | 100000 |
|                         | 10.9 <sup>②</sup>      | 4180  | 7300  | 11800 | 16700 | 30500 | 48200 | 70200 | 130000 |
|                         | 12.9/12.9 <sup>②</sup> | 4910  | 8560  | 13800 | 19600 | 35700 | 56600 | 82400 | 154000 |
|                         | 70 <sup>③</sup>        | 2810  | 4910  | 7950  | 11200 | 20400 | 32400 | 47200 | 87900  |
|                         | 80 <sup>③</sup>        | 3220  | 5620  | 9080  | 12900 | 23400 | 37100 | 53900 | 100000 |

①,  $e_{min}=1.14s_{min}$ . Combined gauging of socket dimensions and , see ISO 23429.

②, 80% of the value for  $F_{m.min}$  specifies in ISO 898-1.

③, 80% of the values for  $F_{m.min}$  ( $R_{m.min} \times A_s.nom$ ).  $R_{m.min}$  and  $A_s.nom$  are specified in ISO 3506-1.