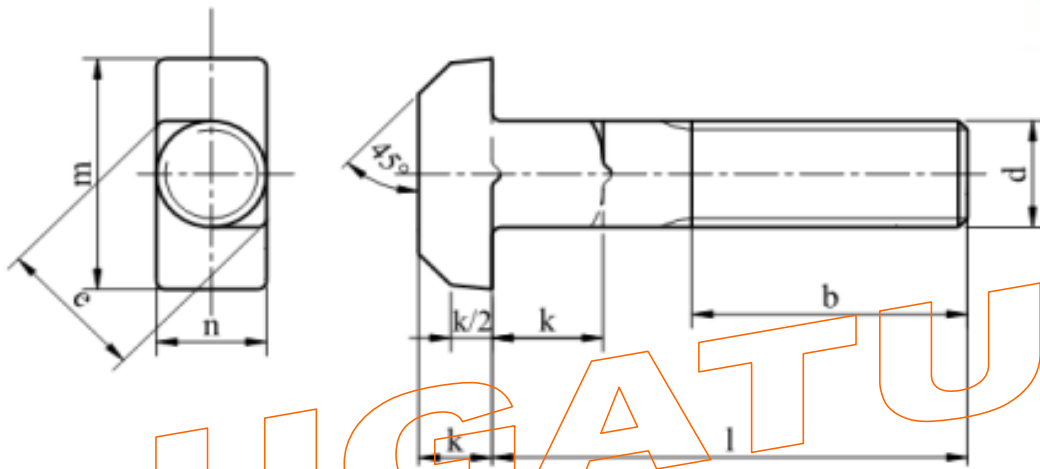


FICHA TÉCNICA

TORNILLO DIN 188-B



DIMENSIONES

| <i>d</i> | | M8 | M10 | M12 | M16 | M20 | M24 | M30 | M36 | M42 | M48 |
|------------------------|----------------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>P</i> | | 1,25 | 1,5 | 1,75 | 2 | 2,5 | 3 | 3,5 | 4 | 4,5 | 5 |
| <i>b_{min}</i> | <i>l</i> ≤ 125 | 22 | 26 | 30 | 38 | 46 | 54 | 66 | 78 | 90 | - |
| | 125 < <i>l</i> ≤ 200 | - | - | - | 44 | 52 | 60 | 72 | 84 | 96 | 108 |
| | <i>l</i> > 200 | - | - | - | - | - | - | - | 97 | 109 | 121 |
| <i>e_{min}</i> | | 9,24 | 11,81 | 14,17 | 19,32 | 24,33 | 29,48 | 37,2 | 44,57 | 52,29 | 60,0 |
| <i>k</i> | <i>nom.</i> | 5,5 | 7 | 8 | 10,5 | 13 | 15 | 19 | 23 | 26 | 30 |
| | <i>max.</i> | 5,9 | 7,45 | 8,75 | 11,4 | 13,9 | 15,9 | 20 | 24 | 27 | 31 |
| | <i>min.</i> | 5,1 | 6,5 | 7,25 | 9,6 | 12,1 | 14,1 | 18 | 22 | 25 | 29 |
| <i>n</i> | <i>nom.</i> | 8 | 10 | 12 | 16 | 20 | 24 | 30 | 36 | 42 | 48 |
| | <i>max.</i> | 8,75 | 10,75 | 12,9 | 16,9 | 21 | 25 | 31 | 37,25 | 43,25 | 49,25 |
| | <i>min.</i> | 7,25 | 9,25 | 11,1 | 15,1 | 19 | 23 | 29 | 34,75 | 40,75 | 46,75 |
| <i>m</i> | <i>nom.</i> | 18 | 21 | 26 | 30 | 36 | 43 | 54 | 66 | 80 | 88 |
| | <i>max.</i> | 18,9 | 22 | 27 | 31 | 37,25 | 44,25 | 55,5 | 67,5 | 81,5 | 89,75 |
| | <i>min.</i> | 17,1 | 20 | 25 | 29 | 34,75 | 41,75 | 52,5 | 64,5 | 78,5 | 86,25 |
| <i>d_b</i> | | - | - | - | - | - | - | - | M12 | M12 | M12 |
| <i>t</i> | | - | - | - | - | - | - | - | 22 | 22 | 22 |



COINDICIONES TÉCNICAS DE SUMINISTRO

| Material | | Steel |
|------------------------------|-----------------------|--|
| General requirements | Norma Standard | DIN 267-1 |
| Thread | Tolerance | 8g |
| | Norma Standard | DIN 13-15 |
| Mechanical properties | Property class | ≤ M36: 3.6 or 4.6 upon agreements >M36: by contract |
| | Norma Standard | DIN ISO 898 -1 |
| Tolerances | Product grade | C |
| | Norma Standard | DIN ISO 4759-1 |
| Surface treatment | | as processed Requirements for electroplating are covered in DIN 267-9 Requirements for hot dip galvanizing are covered in DIN 267-10 |
| Acceptability | | Acceptance procedure is covered in DIN 267-5 |

Example designation T-head bolt with double nib, thread M20, nominal length l = 120 mm:

T-head bolt DIN 188 – M20 x 120