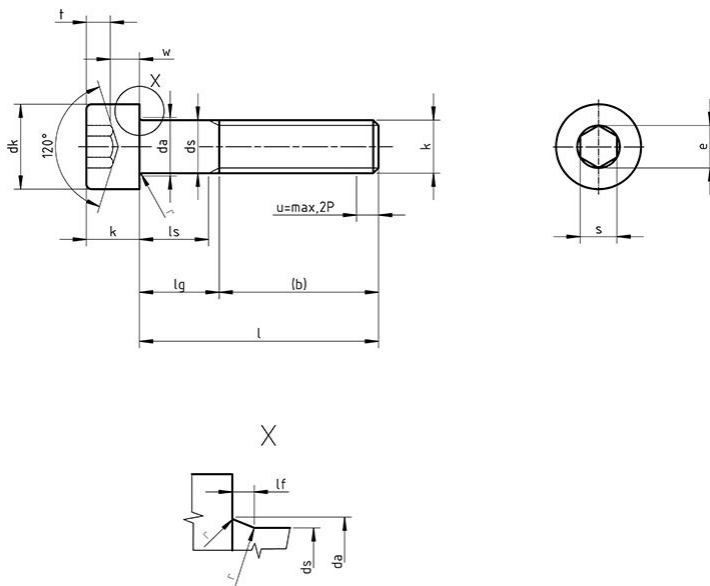


Śruby ze łbem walcowym z gniazdem imbusowym (imbusy)



• Normy:

- DIN 912
- PN 82302 / PN-EN ISO 4762
- ISO 4762 / ISO 21269 / ISO 14579 / ISO 12474

• Material i klasa:

- 8,8 / 10,9 / 12,9 / A2 / A4

• Pokrycie:

- cynk galwaniczny [ZN]
- cynk płatkowy [flZnnc]
- cynk ogniowy [HDG]
- cynk termodyfuzyjny [TZN]
- niklowanie [Ni]

| | M1,6 | M2 | M2,5 | M3 | M4 | M5 | M6 | M8 | M10 | M12 | (M14) |
|---------|------|------|------|------|------|------|-------|-------|--------------|--------------|---------------|
| d | - | - | - | - | - | - | - | M8x1 | M10x 1,25 | M12x 1,25 | (M14) x1,5 |
| | | | | | | | | | M10x 1 | M12x 1,5 | - |
| max.(1) | 3 | 3,8 | 4,5 | 5,5 | 7 | 8,5 | 10 | 13 | 16 | 18 | 21 |
| dk | | | | | | | | | | | |
| max.(2) | 3,14 | 3,98 | 4,68 | 5,68 | 7,22 | 8,72 | 10,22 | 13,27 | 16,27 | 18,27 | 21,33 |
| min. | 2,86 | 3,62 | 4,32 | 5,32 | 6,78 | 8,28 | 9,78 | 12,73 | 15,73 | 17,73 | 20,67 |
| max. | 1,6 | 2 | 2,5 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 |

| | | | | | | | | | | | | |
|----|-------------|-------------|---------------|-------------|---------------|-----------|-------------|-----------|-------------|-----------|-----------|-----------|
| k | min. | 1,46 | 1,86 | 2,36 | 2,86 | 3,82 | 4,82 | 5,7 | 7,64 | 9,64 | 11,57 | 13,57 |
| S | nom. | 1,5 | 1,5 | 2 | 2,5 | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
| e | min. | 1,73 | 1,73 | 2,3 | 2,87 | 3,44 | 4,58 | 5,72 | 6,86 | 9,15 | 11,43 | 13,72 |
| b | min. | 15 | 16 | 17 | 18 | 20 | 22 | 24 | 28 | 32 | 36 | 40 |
| d | | M16 | (M18) | M20 | (M22) | M24 | (M27) | M30 | (M33) | M36 | M42 | M48 |
| | | M16x 1,5 | (M18)x1,5 | M20x 1,5 | (M22)x1,5 | M24x 2 | (M27) x2 | M30x 2 | (M33) x2 | M36x 3 | M42x 3 | M48x 3 |
| | | - | (M18) x2 | M20x 2 | (M22) x2 | - | - | - | - | - | - | - |
| | max.(1) | 24 | 27 | 30 | 33 | 36 | 40 | 45 | 50 | 54 | 63 | 72 |
| dk | max (2) | 24,33 | 27,33 | 30,33 | 33,39 | 36,39 | 40,39 | 45,39 | 50,39 | 54,46 | 63,46 | 72,46 |
| | min. | 23,67 | 26,67 | 29,67 | 32,61 | 35,61 | 39,61 | 44,61 | 49,61 | 53,54 | 62,54 | 71,54 |
| | max. | 16 | 18 | 20 | 22 | 24 | 27 | 30 | 33 | 36 | 42 | 48 |
| | min. | 15,57 | 17,57 | 19,48 | 21,48 | 23,48 | 26,48 | 29,48 | 32,38 | 35,38 | 41,38 | 47,38 |
| k | | | | | | | | | | | | |
| S | nom. | 14 | 14 | 17 | 17 | 19 | 19 | 22 | 24 | 27 | 32 | 36 |
| e | min. | 16 | 16 | 19,44 | 19,44 | 21,73 | 21,73 | 25,15 | 27,43 | 30,85 | 36,57 | 41,13 |
| b | min. | 44 | 48 | 52 | 56 | 60 | 66 | 72 | 78 | 84 | 96 | 108 |

(1) - dla łbów gładkich

(2) - dla łbów radełkowanych

()- wymiary nie zalecane