

Principali tolleranze ISO

Main ISO tolerances

MADE IN ITALY

| Tolleranza Tolerance | Diametro esterno (alberi) Outside diameter (shafts) $\mu = 0.001$ mm | | | | | | | | | |
|-------------------------|--|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| | mm | ≤ 6 | ≤ 10 | ≤ 18 | ≤ 30 | ≤ 50 | ≤ 65 | ≤ 80 | ≤ 100 | ≤ 120 |
| | ≤ 3 | > 3 | > 6 | > 10 | > 18 | > 30 | > 50 | > 65 | > 80 | > 100 |
| f6 | -6 -12 | -10 -18 | -13 -22 | -16 -27 | -20 -33 | -25 -41 | -30 -49 | | | -36 -58 |
| f7 | -6 -16 | -10 -22 | -13 -28 | -16 -34 | -20 -41 | -25 -50 | -30 -60 | | | -36 -71 |
| g6 | -2 -8 | -4 -12 | -5 -14 | -6 -17 | -7 -20 | -9 -25 | -10 -29 | | | -12 -34 |
| h3 | 0 -2 | 0 -2.5 | 0 -2.5 | 0 -3 | 0 -4 | 0 -4 | 0 -5 | | | 0 -6 |
| h4 | 0 -3 | 0 -4 | 0 -4 | 0 -5 | 0 -6 | 0 -7 | 0 -8 | | | 0 -10 |
| h5 | 0 -4 | 0 -5 | 0 -6 | 0 -8 | 0 -9 | 0 -11 | 0 -13 | | | 0 -15 |
| h6 | 0 -6 | 0 -8 | 0 -9 | 0 -11 | 0 -13 | 0 -16 | 0 -19 | | | 0 -22 |
| h7 | 0 -10 | 0 -12 | 0 -15 | 0 -18 | 0 -21 | 0 -25 | 0 -30 | | | 0 -35 |
| h8 | 0 -14 | 0 -18 | 0 -22 | 0 -27 | 0 -33 | 0 -39 | 0 -46 | | | 0 -54 |
| h9 | 0 -25 | 0 -30 | 0 -36 | 0 -43 | 0 -52 | 0 -62 | 0 -74 | | | 0 -87 |
| h10 | 0 -40 | 0 -48 | 0 -58 | 0 -70 | 0 -84 | 0 -100 | 0 -120 | | | 0 -140 |
| h11 | 0 -60 | 0 -75 | 0 -90 | 0 -110 | 0 -130 | 0 -160 | 0 -190 | | | 0 -220 |
| js6 | +3 -3 | +4 -4 | +4.5 -4.5 | +5.5 -5.5 | +6.5 -6.5 | +8 -8 | +9.5 -9.5 | | | +11 -11 |
| j6 | +4 -2 | +6 -2 | +7 -2 | +8 -3 | +9 -4 | +11 -5 | +12 -7 | | | +13 -9 |
| k6 | +6 +0 | +9 +1 | +10 +1 | +12 +1 | +15 +2 | +18 +2 | +21 +2 | | | +25 +3 |
| k7 | +10 +0 | +13 +1 | +16 +1 | +19 +1 | +23 +2 | +27 +2 | +32 +2 | | | +38 +3 |
| k8 | +14 +0 | +18 +0 | +22 +0 | +27 +0 | +33 +0 | +39 +0 | +46 +0 | | | +54 +0 |
| m5 | +6 +2 | +9 +4 | +12 +6 | +15 +7 | +17 +8 | +20 +9 | +24 +11 | | | +28 +13 |
| m6 | +8 +2 | +12 +4 | +15 +6 | +18 +7 | +21 +8 | +25 +9 | +30 +11 | | | +35 +13 |
| n5 | +8 +4 | +13 +8 | +16 +10 | +20 +12 | +24 +15 | +28 +17 | +33 +20 | | | +38 +23 |
| n6 | +10 +4 | +16 +8 | +19 +10 | +23 +12 | +28 +15 | +33 +17 | +39 +20 | | | +45 +23 |
| p6 | +12 +6 | +20 +12 | +24 +15 | +29 +18 | +35 +22 | +42 +26 | +51 +32 | | | +59 +37 |
| s6 | +20 +14 | +27 +19 | +32 +23 | +39 +28 | +48 +35 | +59 +43 | +72 +53 | +78 +59 | +93 +71 | +101 +79 |

| Tolleranza Tolerance | Diametro interno (fori) Inside diameter (bores) $\mu = 0.001$ mm | | | | | | | |
|-------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| | mm | ≤ 6 | ≤ 10 | ≤ 18 | ≤ 30 | ≤ 50 | ≤ 80 | ≤ 120 |
| | ≤ 3 | > 3 | > 6 | > 10 | > 18 | > 30 | > 50 | > 80 |
| F7 | +16 +6 | +22 +10 | +28 +13 | +34 +16 | +41 +20 | +50 +25 | +60 +30 | +71 +36 |
| G6 | +8 +2 | +12 +4 | +14 +5 | +17 +6 | +20 +7 | +25 +9 | +29 +10 | +34 +12 |
| G7 | +12 +2 | +16 +4 | +20 +5 | +24 +6 | +28 +7 | +34 +9 | +40 +10 | +47 +12 |
| H5 | 0 +4 | 0 +5 | 0 +6 | 0 +8 | 0 +9 | 0 +11 | 0 +13 | 0 +15 |
| H6 | 0 +6 | 0 +8 | 0 +9 | 0 +11 | 0 +13 | 0 +16 | 0 +19 | 0 +22 |
| H7 | 0 +10 | 0 +12 | 0 +15 | 0 +18 | 0 +21 | 0 +25 | 0 +30 | 0 +35 |
| H8 | 0 +14 | 0 +18 | 0 +22 | 0 +27 | 0 +33 | 0 +39 | 0 +46 | 0 +54 |
| H9 | 0 +25 | 0 +30 | 0 +36 | 0 +43 | 0 +52 | 0 +62 | 0 +74 | 0 +87 |
| JS5 | +2 -2 | +2.5 -2.5 | +3 -3 | +4 -4 | +4.5 -4.5 | +5.5 -5.5 | +6.5 -6.5 | +7.5 -7.5 |
| J6 | +2 -4 | +5 -3 | +5 -4 | +6 -5 | +8 -5 | +10 -6 | +13 -6 | +16 -6 |
| K6 | 0 -6 | +2 -6 | +2 -7 | +2 -9 | +2 -11 | +3 -13 | +4 -15 | +4 -18 |
| K7 | 0 -10 | +3 -9 | +5 -10 | +6 -12 | +6 -15 | +7 -18 | +9 -21 | +10 -25 |
| M6 | -2 -8 | -1 -9 | -3 -12 | -4 -15 | -4 -17 | -4 -20 | -5 -24 | -6 -28 |
| M7 | -2 -12 | 0 -12 | 0 -15 | 0 -18 | 0 -21 | 0 -25 | 0 -30 | 0 -35 |
| P6 | -6 -12 | -9 -17 | -12 -21 | -15 -26 | -18 -31 | -21 -37 | -26 -45 | -30 -52 |
| P7 | -6 -16 | -8 -20 | -9 -24 | -11 -29 | -14 -35 | -17 -42 | -21 -51 | -24 -59 |