

**Tab. 3 Dimensiuni si Tolerante – Tevi de precizie acc. DIN 2391 & EN 10305 & ASTM A179**

| WT    |       | mm     | 1.5      | 1.8      | 2.0      | 2.2      | 2.5      | 2.8      | 3.0     | 3.5     | 4.0     | 4.5     |
|-------|-------|--------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
|       |       | in     | 0.059    | 0.071    | 0.079    | 0.087    | 0.098    | 0.110    | 0.118   | 0.138   | 0.157   | 0.177   |
| OD    |       |        | ID       |          |          |          |          |          |         |         |         |         |
| mm    | in    | toler. |          |          |          |          |          |          |         |         |         |         |
| 15.88 | 0.625 | ±08    | 12.88±08 | 12.28±15 | 11.88±15 | 11.48±15 | 10.88±15 |          |         |         |         |         |
| 17.1  | 0.673 | ±08    | 14.1±08  | 13.5±08  | 13.1±08  | 12.7±15  | 12.1±15  |          |         |         |         |         |
| 19.05 | 0.750 | ±08    | 16.05±08 | 15.45±08 | 15.05±08 | 14.65±15 | 14.05±15 | 13.45±15 |         |         |         |         |
| 20    | 0.787 | ±08    | 17±08    | 16.4±08  | 16±08    | 15.6±08  | 15±15    | 14.4±15  | 14±15   | 13±15   | 12±15   | 11±15   |
| 22    | 0.866 | ±08    | 19±08    | 18.4±08  | 18±08    | 17.6±08  | 17±08    | 16.4±15  | 16±15   | 15±15   | 14±15   | 13±15   |
| 25.4  | 1.000 | ±08    | 22.4±08  | 21.8±08  | 21.4±08  | 21±08    | 20.4±08  | 19.8±15  | 19.4±15 | 18.4±15 | 17.4±15 | 16.4±15 |
| 28    | 1.102 | ±08    | 25±08    | 24.4±08  | 24±08    | 23.6±08  | 23±08    | 22.4±08  | 22±15   | 21±15   | 20±15   | 19±15   |
| 30    | 1.181 | ±08    | 27±08    | 26.4±08  | 26±08    | 25.6±08  | 25±08    | 24.4±08  | 24±15   | 23±15   | 22±15   | 21±15   |
| 32    | 1.260 | ±15    |          | 28.4±15  | 28±15    | 27.6±15  | 27±15    | 26.4±15  | 26±15   | 25±15   | 24±15   | 23±15   |
| 35    | 1.378 | ±15    |          |          | 31±15    | 30.6±15  | 30±15    | 29.4±15  | 29±15   | 28±15   | 27±15   | 26±15   |
| 38    | 1.496 | ±15    |          |          |          |          |          | 32.4±15  | 32±15   | 31±15   | 30±15   | 29 ±15  |
| 40    | 1.575 | ±15    |          |          |          |          |          |          | 34±15   | 33±15   | 32±15   | 31±15   |
| 42    | 1.654 | ±20    |          |          |          |          |          |          | 36±20   | 35±20   | 34±20   | 33±20   |
| 45    | 1.772 | ±20    |          |          |          |          |          |          | 39±20   | 38±20   | 37±20   | 36±20   |
| 48    | 1.890 | ±20    |          |          |          |          |          |          | 42±20   | 41±20   | 40±20   | 39±20   |
| 50    | 1.969 | ±20    |          |          |          |          |          |          | 44±20   | 43±20   | 42±20   | 41±20   |
| 55    | 2.165 | ±25    |          |          |          |          |          |          | 49±25   | 48±25   | 47±25   | 46±25   |
| 60    | 2.362 | ±25    |          |          |          |          |          |          |         |         | 52±25   | 51±25   |
| 65    | 2.559 | ±30    |          |          |          |          |          |          |         |         | 57±30   | 56±30   |
| 70    | 2.756 | ±30    |          |          |          |          |          |          |         |         | 62±30   | 61±30   |

| WT   |       | mm     | 5       | 5.5     | 6       | 7     | 8     | 9      | 10    | 12    | 14    |
|------|-------|--------|---------|---------|---------|-------|-------|--------|-------|-------|-------|
|      |       | in     | 0.197   | 0.217   | 0.236   | 0.276 | 0.315 | 0.354  | 0.394 | 0.472 | 0.551 |
| OD   |       |        | ID      |         |         |       |       |        |       |       |       |
| mm   | in    | toler. |         |         |         |       |       |        |       |       |       |
| 20   | 0.787 | ±08    | 10±15   |         |         |       |       |        |       |       |       |
| 22   | 0.866 | ±08    | 12±15   |         |         |       |       |        |       |       |       |
| 25.4 | 1.000 | ±08    | 15.4±15 | 14.4±15 | 13.4±15 |       |       |        |       |       |       |
| 26   | 1.024 | ±08    | 16±15   | 15±15   | 14±15   | 12±15 |       |        |       |       |       |
| 28   | 1.102 | ±08    | 18±15   | 17±15   | 16±15   | 14±15 | 12±15 |        |       |       |       |
| 30   | 1.181 | ±08    | 20±15   | 19±15   | 18±15   | 16±15 | 14±15 |        |       |       |       |
| 32   | 1.260 | ±15    | 22±15   | 21±15   | 20±15   | 18±15 | 16±15 |        |       |       |       |
| 35   | 1.378 | ±15    | 25±15   | 24±15   | 23±15   | 21±15 | 19±15 | 17±1 5 | 15±15 |       |       |
| 38   | 1.496 | ±15    | 28±15   | 27±15   | 26±15   | 24±15 | 22±15 | 20±1 5 | 18±15 |       |       |
| 40   | 1.575 | ±15    | 30±15   | 29±15   | 28±15   | 26±15 | 24±15 | 22±1 5 | 20±15 |       |       |
| 42   | 1.654 | ±20    | 32±20   | 31±20   | 30±20   | 28±20 | 26±20 | 24±2 0 | 22±20 |       |       |
| 45   | 1.772 | ±20    | 35±20   | 34±20   | 33±20   | 31±20 | 29±20 | 27±2 0 | 25±20 |       |       |
| 48   | 1.890 | ±20    | 38±20   | 37±20   | 36±20   | 34±20 | 32±20 | 30±2 0 | 28±20 |       |       |
| 50   | 1.969 | ±20    | 40±20   | 39±20   | 38±20   | 36±20 | 34±20 | 32±2 0 | 30±20 |       |       |
| 55   | 2.165 | ±25    | 45±25   | 44±25   | 43±25   | 41±25 | 39±25 | 37±2 5 | 35±25 | 31±30 |       |
| 60   | 2.362 | ±25    | 50±25   | 49±25   | 48±25   | 46±25 | 44±25 | 42±2 5 | 40±25 | 36±30 |       |
| 65   | 2.559 | ±30    | 55±30   | 54±30   | 53±30   | 51±30 | 49±30 | 47±3 0 | 45±30 | 41±30 |       |
| 70   | 2.756 | ±30    | 60±30   | 59±30   | 58±30   | 56±30 | 54±30 | 52±3 0 | 50±30 | 46±30 |       |
| 75   | 2.953 | ±35    | 65±35   | 64±35   | 63±35   | 61±35 | 59±35 | 57±3 5 | 55±35 | 51±35 |       |
| 80   | 3.150 | ±35    | 70±35   | 69±35   | 68±35   | 66±35 | 64±35 | 62±3 5 | 60±35 | 56±35 | 52±35 |
| 85   | 3.346 | ±40    | 75±40   | 74±40   | 73±40   | 71±40 | 69±40 | 67±4 0 | 65±40 | 61±40 | 57±40 |
| 90   | 3.543 | ±40    | 80±40   | 79±40   | 78±40   | 76±40 | 74±40 | 72±4 0 | 70±40 | 66±40 | 62±40 |
| 95   | 3.740 | ±45    |         |         | 83±45   | 81±45 | 79±45 | 77±45  | 75±45 | 71±45 | 67±45 |
| 100  | 3.937 | ±45    |         |         | 88±45   | 86±45 | 84±45 | 82±45  | 80±45 | 76±45 | 72±45 |
| 110  | 4.331 | ±50    |         |         |         | 96±50 | 94±50 | 92±50  | 90±50 | 86±50 | 82±50 |

| WT  |       | mm     | 7      | 8      | 9      | 10      | 12      | 14      | 16      | 18      | 20      |
|-----|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
|     |       | in     | .079   | .087   | .098   | .110    | .118    | .138    | .157    | .177    | .197    |
| OD  |       |        | ID     |        |        |         |         |         |         |         |         |
| mm  | in    | toler. |        |        |        |         |         |         |         |         |         |
| 120 | 4.724 | ±50    | 106±50 | 104±50 | 102±50 | 100±50  | 96±50   | 92±50   | 88±50   | 84±50   |         |
| 130 | 5.118 | ±70    | 116±70 | 114±70 | 112±70 | 110±70  | 106±70  | 102±70  | 98±70   | 94±70   |         |
| 140 | 5.512 | ±70    | 126±70 | 124±70 | 122±70 | 120±70  | 116±70  | 112±70  | 108±70  | 104±70  |         |
| 150 | 5.906 | ±80    |        | 134±80 | 132±80 | 130±80  | 126±80  | 122±80  | 118±80  | 114±80  |         |
| 160 | 6.299 | ±80    |        |        |        | 140±80  | 136±80  | 132±80  | 128±80  | 124±80  | 120±80  |
| 170 | 6.693 | ±90    |        |        |        | 150±90  | 146±90  | 142±90  | 138±90  | 134±90  | 130±90  |
| 180 | 7.087 | ±90    |        |        |        | 160±90  | 156±90  | 152±90  | 148±90  | 144±90  | 140±90  |
| 190 | 7.480 | ±1.0   |        |        |        | 170±1.0 | 166±1.0 | 162±1.0 | 158±1.0 | 154±1.0 | 150±1.0 |
| 200 | 7.874 | ±1.0   |        |        |        |         | 176±1.0 | 172±1.0 | 168±1.0 | 164±1.0 | 160±1.0 |
| 210 | 8.268 | ±1.2   |        |        |        |         |         |         | 178±1.2 | 174±1.2 | 170±1.2 |