



**ISO 3601 & DIN 3771 ( METRIC )**

ID mm	TOL
≤ 2.5	± 0.13
4.5	± 0.14
6.3	± 0.15
8.5	± 0.16
10	± 0.17
11.2	± 0.18
14	± 0.19
16	± 0.20
18	± 0.21
20	± 0.22
21.2	± 0.23
23.6	± 0.24
25	± 0.25
26.5	± 0.26
28	± 0.28
30	± 0.29
31.5	± 0.31
33.5	± 0.32
34.5	± 0.33
35.5	± 0.34
36.5	± 0.35
37.5	± 0.36
38.7	± 0.37
40	± 0.38
41.2	± 0.39
42.05	± 0.40
4.37	± 0.41
45	± 0.42
46.2	± 0.43
47.5	± 0.44
48.7	± 0.45
50	± 0.46
51.5	± 0.47
53	± 0.48
54.5	± 0.50
56	± 0.51
58	± 0.52
60	± 0.54
61.5	± 0.55
63	± 0.56
65	± 0.58
67	± 0.59
69	± 0.61
71	± 0.63
73	± 0.64
75	± 0.66
77.5	± 0.67
80	± 0.69

ID mm	TOL
82.5	± 0.71
85	± 0.73
87.5	± 0.75
90	± 0.77
100	± 0.84
103	± 0.87
106	± 0.89
109	± 0.91
112	± 0.93
115	± 0.95
118	± 0.97
122	± 1.00
125	± 1.03
128	± 1.05
132	± 1.08
136	± 1.10
140	± 1.13
145	± 1.17
150	± 1.20
155	± 1.24
160	± 1.27
165	± 1.31
170	± 1.34
175	± 1.38
180	± 1.41
185	± 1.44
190	± 1.48
195	± 1.51
200	± 1.55
206	± 1.59
212	± 1.63
218	± 1.67
224	± 1.71
230	± 1.75
236	± 1.79
243	± 1.83
250	± 1.88
258	± 1.93
265	± 1.98
272	± 2.02
280	± 2.08
290	± 2.14
300	± 2.21
307	± 2.25
315	± 2.30
325	± 2.37
335	± 2.43
345	± 2.49

ID mm	TOL
355	± 2.56
365	± 2.62
375	± 2.68
387	± 2.76
400	± 2.84
412	± 2.91
425	± 2.99
437	± 3.07
450	± 3.15
462	± 3.22
475	± 3.30
487	± 3.37
500	± 3.45
515	± 3.54
530	± 3.63
545	± 3.72
560	± 3.81
580	± 3.93
600	± 4.05
615	± 4.13
630	± 4.22
650	± 4.34
670	± 4.46
≥670	± 0.7%

**CROSS SECTION TOLERANCE**

- ≤ 1.80 ± 0.08
- ≤ 2.65 ± 0.09
- ≤ 3.55 ± 0.10
- ≤ 5.30 ± 0.13
- ≤ 7.00 ± 0.15
- ≤ 8.00 ± 0.16
- ≤ 10.00 ± 0.18

For intermediate sizes, the next tolerance up is chosen.