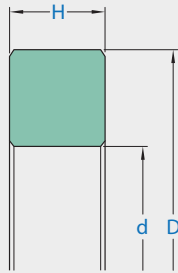


R14



Ordering dimensions in blue

Standard dimensions

Because of the design diversity of this profile, it is not useful to list standard dimensions.

The size and position of the tolerance field have to be considered and may be adapted to special functions.

application



operating parameters & materials

diameter range: up to 600 mm

material	temperature	max. surface speed	max. pressure
----------	-------------	--------------------	---------------

all material possible

choice is dependent upon application (preload, ...)

the stated operation conditions represent general indications. it is recommended not to use all maximum values simultaneously. surface speed limits apply only to the presence of adequate lubrication film.

seal housing is dependent upon application (e.g.: as a bearing box) according to profile description

surface quality

type of load	surface roughness	Rtmax (µm)	Rx (µm)	Ra (µm)
axial - static	axial - static	≤ 10,0	≤ 6,3	≤ 1,6
	groove surface (groove bottom, groove flanks)	≤ 16,0	≤ 6,3	≤ 1,6
under pulsating pressures	axial - static	≤ 10,0	≤ 6,3	≤ 0,8
	groove surface (groove bottom, groove flanks)	≤ 16,0	≤ 6,3	≤ 1,6

tolerances for R14 inside Ød

inside Ød	tolerance ±
4,00 - 14,00	0,13
14,01 - 15,60	0,18
15,61 - 25,12	0,23
25,13 - 29,78	0,25
29,79 - 34,65	0,28
34,66 - 44,17	0,33
44,18 - 50,52	0,38
50,53 - 66,40	0,46
66,41 - 75,92	0,51
75,93 - 94,97	0,61
94,98 - 107,67	0,69
107,68 - 126,72	0,76
126,73 - 133,07	0,94
133,08 - 158,42	0,89
158,43 - 183,82	1,02
183,83 - 209,22	1,14
209,23 - 234,62	1,27
234,63 - 278,99	1,4
279,00 - 405,26	1,65
405,27 - 430,66	1,91
430,67 - 456,07	2,03