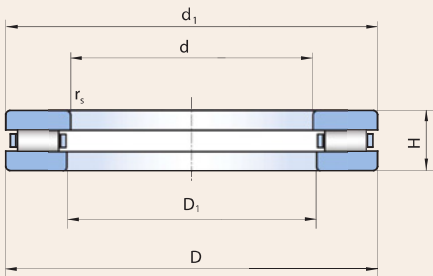
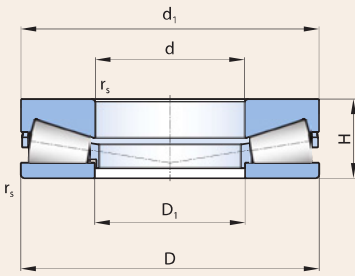


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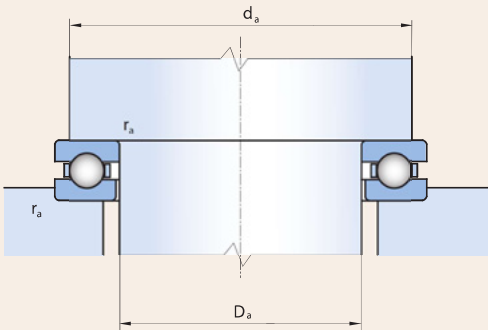


Pict. 3



Pict. 4

Abutment and Fillet Dimensions				Pict.
d	da min	Da max	ra max	
[mm]				
			4	2
			6	2
			4	2
300	372	348	2.5	1
			2.5	3
320	392	368	2.5	1
340	388	372	2	1
			6	2
360	408	392	2	1
360	443	417	4	1
			3	3
			2	3
			3	3
400	448	432	2	1
420	470	450	2	1
431.8	489	405	8	4
			6	2
			2	3
			2.5	1
			6	3
1000	1110	1070	4	1
			2	3
			5	3
			2	1



Single direction thrust bearings are designed for carrying axial forces acting in one direction. They cannot accommodate radial forces. To prevent undesirable slipping of the rolling elements due to high centrifugal forces at high rotational speed, they must be loaded by minimum axial force.

Suffixes

- F – Machined steel cage, rolling elements centered
- M – Machined brass cage, rolling elements centered

Axial equivalent load

- dynamic: $P_a = F_a$ [kN]
- static: $P_{0a} = F_a$ [kN]

Calculation of minimum axial load $F_{a\ min}$:

$$F_{a\ min.} = M \left[\frac{n_{max}}{1000} \right]^2$$

[kN]

where:
n – maximum rotational speed [min⁻¹]
M – minimum axial load factor