



Axial angular contact ball bearings ZKLF2575-2RS-XL (Series ZKLF..-2RS)

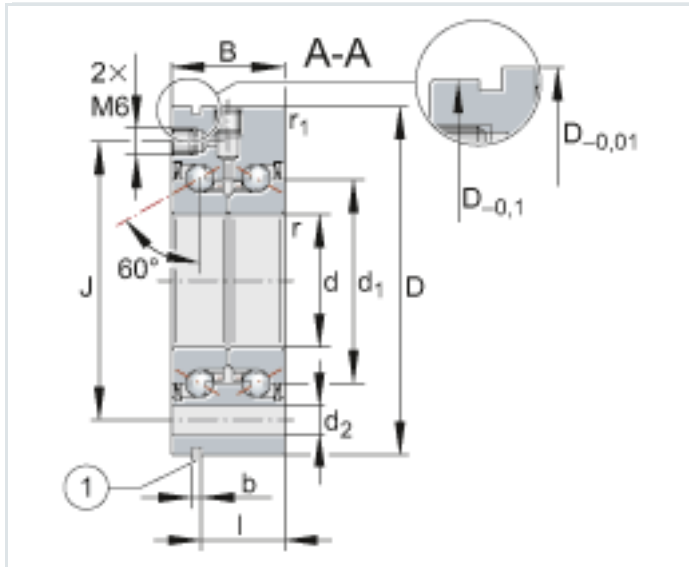
double direction, for screw mounting, lip seals on both sides

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue ordering system (https://www.schaeffler.de/content.schaeffler.de/en/news_media/index.jsp) or by telephone on +49 (91 32) 82 - 28 97.

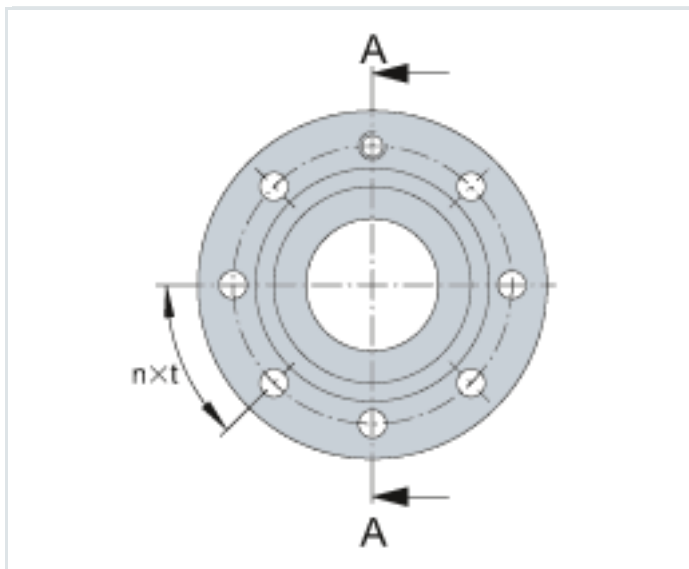
d	25 mm	Tolerance: 0/-0,005
D	75 mm	Tolerance: 0/-0,01
B	28 mm	Tolerance: 0/-0,25
	M6	Threaded connector for lubrication
	60 °	Contact angle
	M6	Fixing screws to DIN EN ISO 4762 10.9 Screws not included in scope of delivery. Tightening torque according to manufacturer's data.
b	3 mm	
d ₁	40,5 mm	
d ₂	6,8 mm	
D _{a max}	48 mm	

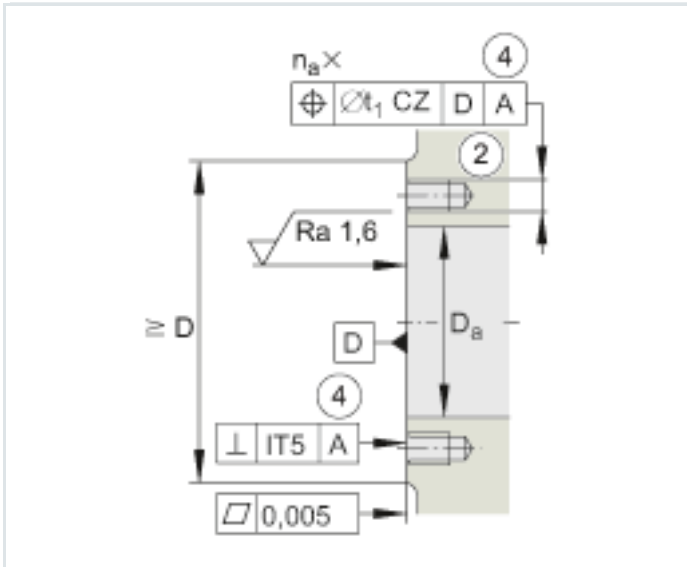
da min	32 mm	
l	19 mm	
J	58 mm	
na x ta	4 x 90°	Fixing screws to DIN EN ISO 4762 10.9 Screws not included in scope of delivery. Tightening torque according to manufacturer's data. Number of holes in adjacent construction corresponds to n a.
n x t	8 x 45°	Pitch
r1 min	0,6 mm	
rmin	0,3 mm	
t1	0,1 mm	
m	0,72 kg	≈ Mass
Ca	30500 N	Basic dynamic load rating, axial
C0a	55000 N	Basic static load rating, axial
Cua	3350 N	Fatigue limit load, axial
nG Fett	5700 1/min	Limiting speed for grease lubrication
nø	2600 1/min	Thermally safe operating speed
MRL	0,4 Nm	Bearing frictional torque
CaL	750 N/µm	Axial rigidity

ckL	200 Nm/mrad	Tilting rigidity
M _m	0,486 kg * cm ²	Mass moment of inertia for rotating inner ring
	2 μm	Axial runout The axial runout data for screw drive bearing arrangements are based on the rotating inner ring.
	ZM25	Recommended INA precision locknuts with radial clamping The recommended INA precision locknuts are not included in the scope of delivery and must be ordered separately.
	AM25	Recommended INA precision locknuts with axial clamping The recommended INA precision locknuts are not included in the scope of delivery and must be ordered separately.
M _A	25 Nm	Tightening torque Only valid in conjunction with INA precision locknuts. Observe the guidelines on locating/locating bearing arrangements.
	9123 N	Requisite locknut force, axial The requisite axial locknut force must be observed when using other locknuts.

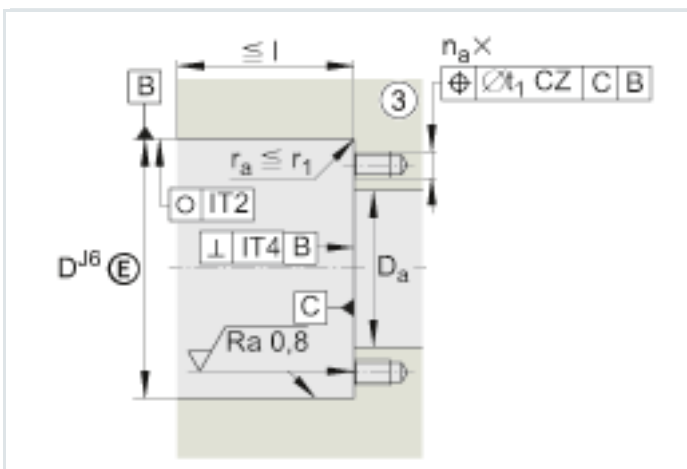


Extraction slot

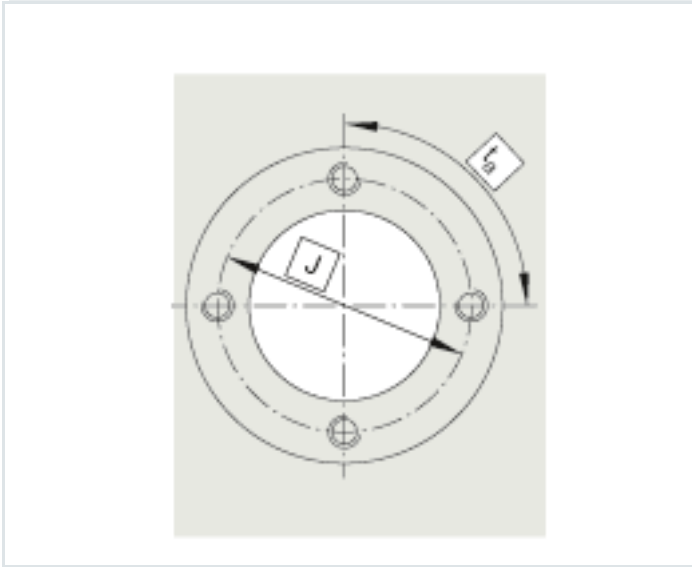




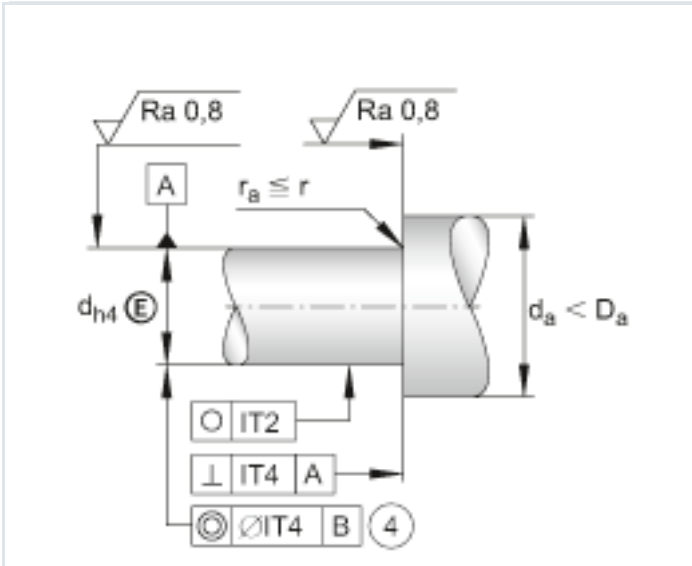
Design of housing
 (2) Adjacent construction, bearing screw mounted on flat surface
 (4) Only valid in assembled condition



Design of housing
 (3) Adjacent construction, bearing screw mounted in bore



Housing design



Design of shaft (threaded spindle)
 (4) Only valid in assembled condition