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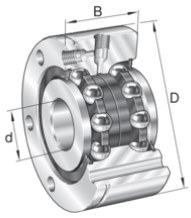
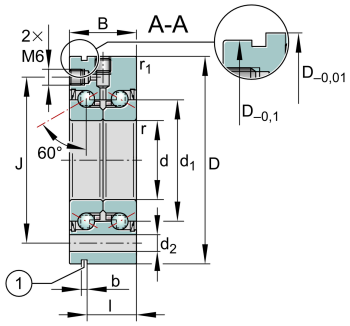


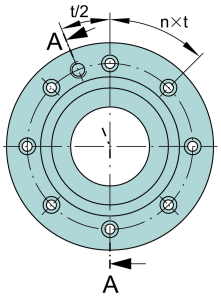
ZKLF1255-2RS-PE

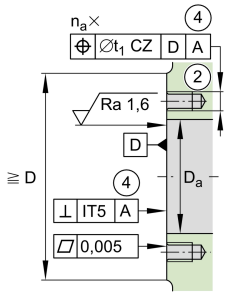
Axial angular contact ball bearing

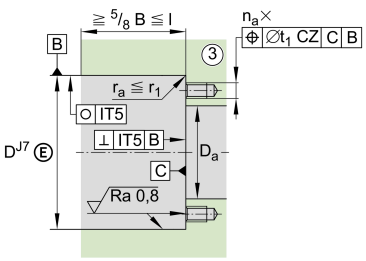
Axial angular contact ball bearing
ZKLF..-2RS-PE, double direction, screw mounting

Technical information







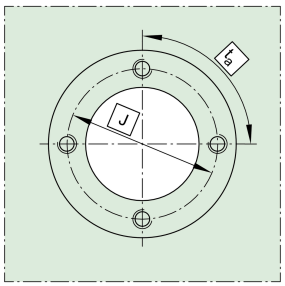


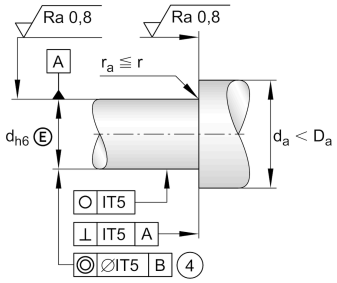
Your current product variant

Type of Seal	2RS	Contact lip seals on both sides
Tolerance class	PE	Less stringent bearing design

Main Dimensions & Performance Data

d	12 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,01 mm	Bore diameter lower tolerance
D	55 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,013 mm	Outside diameter lower tolerance
B	25 mm	Width
	0 mm	Width upper tolerance
	-0,25 mm	Width lower tolerance
C_a	17.100 N	Basic dynamic load rating, axial
C_{0a}	25.000 N	Basic static load rating, axial
C_{ua}	1.140 N	Fatigue load limit, axial
n_G Grease	9.200 1/min	Limiting speed for grease lubrication
n_ϑ	3.800 1/min	Thermally safe operating speed
M_R	0,16 Nm	Bearing frictional torque
≈m	0,358 kg	Weight





Mounting dimensions

$D_{a\ max}$	33 mm	Maximum diameter of housing
$d_{a\ min}$	16 mm	Minimum diameter shaft
t_1	0,1 mm	Position tolerance of bore in the housing
	M6	Size of fixing screws
n_a	3	Number of holes in adjacent construction
t_a	120 °	Pitch separation angle of holes in adjacent construction
	M6	Connection thread for lubrication

Dimensions

d_1	25 mm	Rib diameter inner ring
r_{min}	0,3 mm	Minimum chamfer dimension
$r_{1\ min}$	0,6 mm	Minimum chamfer dimension
J	42 mm	Pitch circle diameter fixing holes
d_2	6,8 mm	Fixing holes diameter
b	3 mm	Width of extraction slot
l	17 mm	Distance of extraction slot
n	3	Pitch quantity of fixing holes
t	120 °	Pitch separation angle of fixing holes
a	60 °	Contact angle

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

Additional information

c_{aL}	375 N/µm	Rigidity axial
c_{kL}	50 Nm/mrad	Tilting rigidity
M_m	0,068 kg*cm2	Mass moment of inertia
	5 µm	Axial runout
	ZM12	Recommended INA precision locknut for radial locking
M_A	8 Nm	Tightening torque for the recommended INA precision locknut
	5.307 N	Required locknut force axial

Characteristics

- Radial load
- Axial load in one direction
- Axial load in two directions
- Lifetime lubrication, freedom from maintenance
- Grease Lubrication
- Sealed on both sides