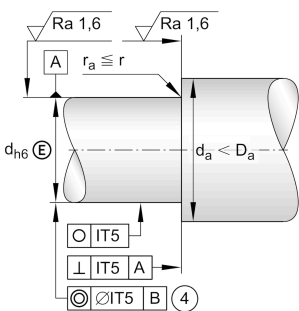
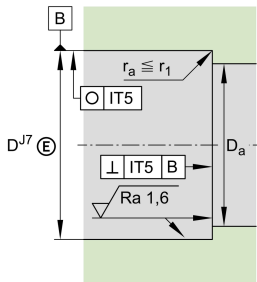
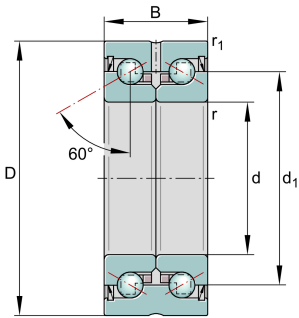
**ZKLN1242-2RS-PE**

Axial angular contact ball bearing

Axial angular contact ball bearings
ZKLN..-2RS-PE, Increased tolerances,
double direction, lip seals on both sides

Technical information



Your current product variant

Sealing	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	42 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,011 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 _g	3.800 1/min	Thermally safe operating speed
M _R	0,16 Nm	Bearing frictional torque
≈m	0,197 kg	Weight



Mounting dimensions

$D_{a \max}$	33 mm	Maximum diameter of housing
$d_{a \min}$	16 mm	Minimum diameter shaft

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
α	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*cm ²	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