

ZKLN1747-2RS-2AP-XL

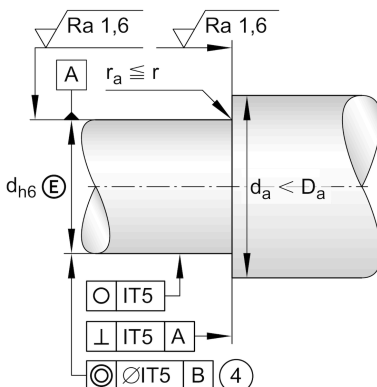
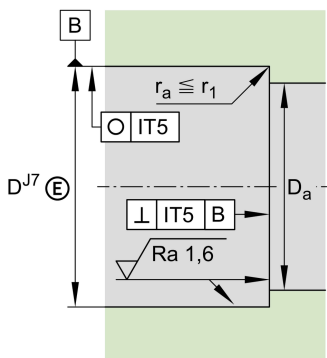
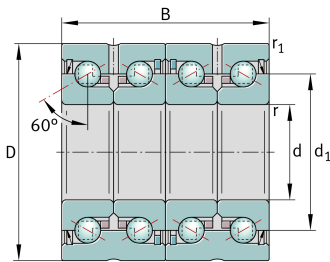
Axial angular contact ball bearing

Schaeffler ID:
0015805400000

Axial angular contact ball bearings
ZKLN..-2RS-2AP-XL, matched pair, double
direction, lip seals on both sides

X-life

Technical information



Main Dimensions & Performance Data

d	17 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0.005 mm	Bore diameter lower tolerance
D	47 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0.01 mm	Outside diameter lower tolerance
B	50 mm	Width
	0 mm	Width upper tolerance
	-0.5 mm	Width lower tolerance
C _a	34,000 N	Basic dynamic load rating, axial
C _{0a}	63,000 N	Basic static load rating, axial
C _{ua}	3,850 N	Fatigue load limit, axial
n _{G Grease}	7,600 1/min	Limiting speed for grease lubrication
n _g	3,300 1/min	Thermally safe operating speed
M _R	0.36 Nm	Bearing frictional torque
≈m	0.47 kg	Weight

Mounting dimensions

D _{a max}	37 mm	Maximum diameter of housing
d _{a min}	23 mm	Minimum diameter shaft

Dimensions

d ₁	30 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}	800 N/ μm	Rigidity axial
c_{kL}	200 Nm/mrad	Tilting rigidity
M_m	0.264 kg*cm ²	Mass moment of inertia
	2 μm	Axial runout
	ZM17	Recommended INA precision locknut for radial locking
	AM17	Recommended INA precision locknut for axial locking
M_A	15 Nm	Tightening torque for the recommended INA precision locknut
	7,514 N	Required locknut force axial