

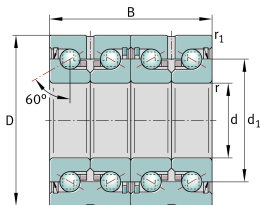
ZKLN1747-2RS-2AP-XL

Axial angular contact ball bearing

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

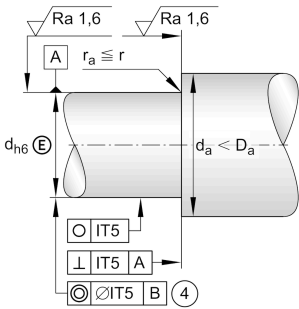
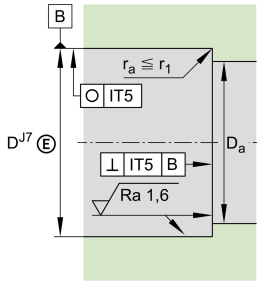
X-life

Technical information



Your current product variant

Sealing	2RS	Contact lip seals on both sides
Tolerance class	Standard	
Number of bearings	2AP	Axial angular contact ball bearings, matched pair



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
$n_{G \text{ Grease}}$	7.600 1/min	Limiting speed for grease lubrication
n_{ϑ}	3.300 1/min	Thermally safe operating speed
M_R	0,36 Nm	Bearing frictional torque
$\approx m$	0,47 kg	Weight

Mounting dimensions

$D_{a \text{ max}}$	37 mm	Maximum diameter of housing
$d_{a \text{ min}}$	23 mm	Minimum diameter shaft

Dimensions

d_1	30 mm	Rib diameter inner ring
r_{min}	0,3 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	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/ μ m	Rigidity axial
c_{kL}	200 Nm/mrad	Tilting rigidity
M_m	0,264 kg*cm ²	Mass moment of inertia
	2 μ m	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

Characteristics

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