



# Axial angular contact ball bearings

## ZKLF3080-2RS-PE (Series ZKLF..-2RS-PE)

increased tolerances, 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 (<http://www.ina.de/content.ina.de/en/mediathek/library/library.jsp>) or by telephone on +49 (91 32) 82 - 28 97.

d	30 mm	Tolerance: 0/-0,01
D	80 mm	Tolerance: 0/-0,013
B	28 mm	Tolerance: 0/-0,25
	M6	Threaded connector for lubrication
	60 °	Contact angle
1)		Extraction slot
b	3 mm	
d1	45,5 mm	
d2	6,8 mm	
Da max	53 mm	
da min	40 mm	
l	19 mm	
J	63 mm	
r1 min	0,6 mm	
rmin	0,3 mm	
t	6 x 60°	Pitch t Quantity X t
m	0,78 kg	Mass
Ca	29000 N	Basic dynamic load rating, axial

$C_{0a}$	64000 N	Basic static load rating, axial
$C_{ua}$	2800 N	Fatigue limit load, axial
$n_G$	5000 1/min	Limiting speed for grease lubrication
Fett		
$n_{\emptyset}$	2200 1/min	
MRL	0,5 Nm	Bearing frictional torque
$CaL$	850 N/ $\mu$ m	Axial rigidity
$ckL$	300 Nm/mrad	Tilting rigidity
$M_m$	0,73 kg * cm <sup>2</sup>	Mass moment of inertia for rotating inner ring
	5 $\mu$ m	Axial runout The axial runout data for screw drive bearing arrangements are based on the rotating inner ring.
	6	Number of fixing screws to DIN 912-10.9 Screws not included in scope of delivery.
	M6	Size of fixing screws to DIN 912-10.9 Tightening torque of fixing screws according to manufacturer's data. Screws not included in scope of delivery.
	ZM30	Designation of recommended INA locknut
	AM30	Designation of recommended INA locknut Locknuts not included in delivery.
MA	32 Nm	Tightening torque Only valid in conjunction with INA precision locknuts
	10451 N	Axial preload force





