

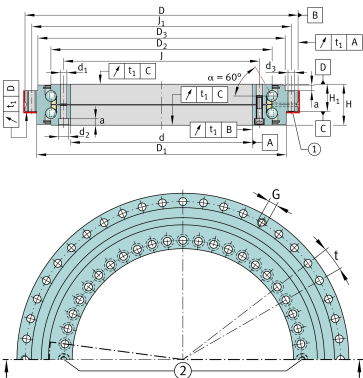


ZKLDF180

Axial angular contact ball bearing

Axial angular contact ball bearings ZKLDF, double direction, for screw mounting, sealing shields on both sides

Informacje techniczne



Twoja aktualna wersja produktu

Generation B

Main Dimensions & Performance Data

d	180 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,013 mm	Bore diameter lower tolerance
D	280 mm	Flange diameter
	0 mm	Flange diameter upper tolerance
	-0,018 mm	Flange diameter lower tolerance
H	43 mm	Height
n _G	3.500 1/min	Limiting speed
C _a	85.000 N	Basic dynamic load rating, axial
C _{0a}	440.000 N	Basic static load rating, axial
C _{ua}	13.500 N	Fatigue load limit, axial
m	7,7 kg	Masa



Mounting dimensions

J	194 mm	Pitch circle diameter fixing holes in inner ring
J 1	260 mm	Pitch circle diameter fixing holes in outer ring
d 1	7 mm	Fixing holes diameter inner ring
d 2	11 mm	Counterbore diameter of fixing holes
a	6,2 mm	Counterbore depth of fixing holes
	46	Quantity of fixing holes inner ring
d 3	7 mm	Fixing holes diameter outer ring
	45	Quantity of fixing holes outer ring
n	48	Pitch quantity
t	7,5 °	Pitch separation angle
G	M8	Threaded extraction hole
	3	Quantity of threaded extraction hole
M A	14 Nm	Screw tightening torque
	2	Quantity of retaining screws

Dimensions

H 1	29 mm	Height contact face outer ring
	0,175 mm	Height contact face outerring H1 upper tolerance
	-0,175 mm	Height contact face outerring H1 lower tolerance
D 1	244 mm	Outside diameter D1
D 2	219 mm	Rib diameter inner ring
D 3	246 mm	Outside diameter D3

t 1	4 µm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.
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Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °C	Operating temperature max.



Additional information

c _{aL}	1.900 N/μm	Axial rigidity of bearing position
c _{rL}	500 N/μm	Radial rigidity of bearing position
c _{kL}	10.700 Nm/mrad	Tilting rigidity of bearing position
c _{aL}	2.800 N/μm	Axial rigidity of rolling element set
c _{rW}	500 N/μm	Radial rigidity of rolling element set
c _{kW}	16.000 Nm/mrad	Tilting rigidity of rolling element set

Właściwości

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Obciążenie promieniowe
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Obciążenie osiowe jednokierunkowe
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Obciążenie osiowe dwukierunkowe
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Momenty względem wszystkich osi
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L_h Smarowanie dożywotnie, bezobsługowe
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Smarowanie smarem
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Uszczelnienie dwustronne