

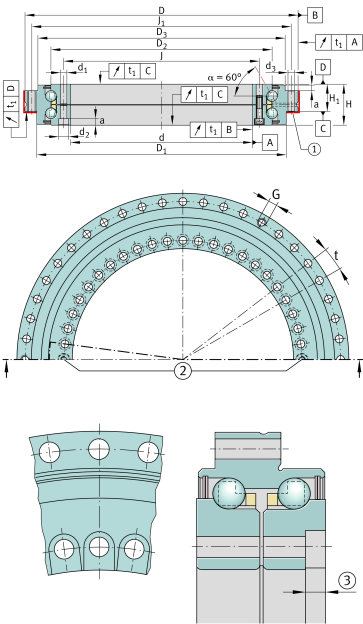


ZKLDF100

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	100 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,01 mm	Bore diameter lower tolerance
D	185 mm	Flange diameter
	0 mm	Flange diameter upper tolerance
	-0,015 mm	Flange diameter lower tolerance
H	38 mm	Height
n _G	5.000 1/min	Limiting speed
C _a	71.000 N	Basic dynamic load rating, axial
C _{0a}	265.000 N	Basic static load rating, axial
C _{ua}	10.300 N	Fatigue load limit, axial
≈m	3,84 kg	Masa



Mounting dimensions

J	112 mm	Pitch circle diameter fixing holes in inner ring
J 1	170 mm	Pitch circle diameter fixing holes in outer ring
d 1	5,6 mm	Fixing holes diameter inner ring
d 2	10 mm	Counterbore diameter of fixing holes
a	5,4 mm	Counterbore depth of fixing holes
	16	Quantity of fixing holes inner ring
d 3	5,6 mm	Fixing holes diameter outer ring
	15	Quantity of fixing holes outer ring
n	18	Pitch quantity
t	20 °	Pitch separation angle
G	M5	Threaded extraction hole
	3	Quantity of threaded extraction hole
M A	8,5 Nm	Screw tightening torque
	2	Quantity of retaining screws

Dimensions

H 1	25 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	161 mm	Outside diameter D1
D 2	136 mm	Rib diameter inner ring
D 3	158 mm	Outside diameter D3

t 1 3 µm Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Temperature range

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



Additional information

c_{aL}	1.200 N/ μ m	Axial rigidity of bearing position
c_{rL}	350 N/ μ m	Radial rigidity of bearing position
c_{kL}	3.600 Nm/mrad	Tilting rigidity of bearing position
c_{aL}	2.200 N/ μ m	Axial rigidity of rolling element set
c_{rW}	350 N/ μ m	Radial rigidity of rolling element set
c_{kW}	5.000 Nm/mrad	Tilting rigidity of rolling element set

Właściwości

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