

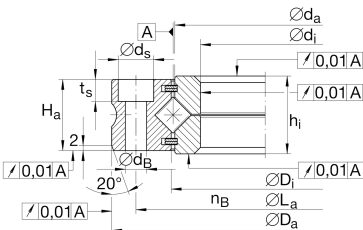


XV50

Crossed roller bearing

Crossed roller bearings without gear teeth,
lamellar seals on both sides

Informacje techniczne



Main Dimensions & Performance Data

d ₁	50 mm	Bore Diameter
	0,01 mm	Bore diameter upper tolerance
	-0,006 mm	Bore diameter lower tolerance
D _a	100 mm	Outside Diameter
	0 mm	Outside diameter upper tolerance
	-0,022 mm	Outside diameter lower tolerance
h _i	17 mm	Height inner ring
≈m	0,699 kg	Masa

Dimensions

D _i	64,5 mm	Inner diameter outer ring
d _a	63,5 mm	Outer diameter inner ring
H _a	16 mm	Width outer ring
L _a	85 mm	Pitch circle diameter fixing holes
n _B	12	Quantity of fixed holes evenly around the circumference
d _B	5,6 mm	Diameter fixing hole outer ring
d _S	10 mm	Countersunk diameter of fixing holes
t _S	5,4 mm	Countersunk depth of fixing holes



Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	80 °C	Operating temperature max.

Calculation factors

	0,01 mm	Running accuracy, radial
	0,01 mm	Running accuracy, axial
C _a	20.500 N	Basic dynamic load rating, axial
C _{0a}	54.000 N	Basic static load rating, axial
C _r	14.700 N	Basic dynamic load rating, radial (for radial load only)
C _{0r}	26.500 N	Basic static load rating, radial (for radial load only)
F _{r zul.}	8.180 N	Max. radial load screws (frictional contact)
N _G Grease	1.194 1/min	Limiting speed for grease lubrication with normal clearance
N _G Grease	597 1/min	Limiting speed for grease lubrication with preload

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Momenty względem wszystkich osi
-  Smarowanie smarem
-  Uszczelnienie dwustronne
-  Mała przestrzeń zabudowy