

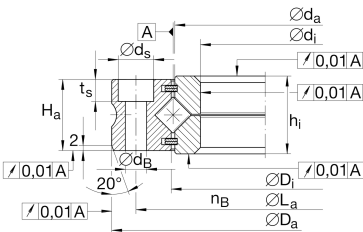


XV90

Crossed roller bearing

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

Informacje techniczne



Main Dimensions & Performance Data

d ₁	90 mm	Bore Diameter
	0,016 mm	Bore diameter upper tolerance
	-0,006 mm	Bore diameter lower tolerance
D _a	145 mm	Outside Diameter
	0 mm	Outside diameter upper tolerance
	-0,025 mm	Outside diameter lower tolerance
h _i	19 mm	Height inner ring
≈m	1,197 kg	Masa

Dimensions

D _i	105,5 mm	Inner diameter outer ring
d _a	104,5 mm	Outer diameter inner ring
H _a	18 mm	Width outer ring
L _a	130 mm	Pitch circle diameter fixing holes
n _B	16	Quantity of fixed holes evenly around the circumference
d _B	6,6 mm	Diameter fixing hole outer ring
d _S	11 mm	Countersunk diameter of fixing holes
t _S	6,4 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	35.000 N	Basic dynamic load rating, axial
C _{0a}	111.000 N	Basic static load rating, axial
C _r	25.000 N	Basic dynamic load rating, radial (for radial load only)
C _{0r}	54.000 N	Basic static load rating, radial (for radial load only)
F _{r zul.}	15.300 N	Max. radial load screws (frictional contact)
N _G Grease	728 1/min	Limiting speed for grease lubrication with normal clearance
N _G Grease	364 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