

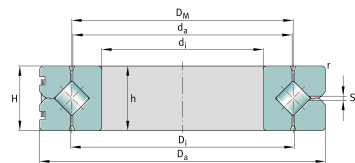


SX011814-A-VSP

Crossed roller bearing

Crossed roller bearingsdimension series 18 to
DIN 616

Informacje techniczne



Twoja aktualna wersja produktu

Preload	VSP	Bearing preload Standard
Lubricant	Standard	

Main Dimensions & Performance Data

d _i	70 mm	Bore Diameter
	0,004 mm	Bore diameter upper tolerance
	-0,015 mm	Bore diameter lower tolerance
D _a	90 mm	Outside Diameter
	0 mm	Outside diameter upper tolerance
	-0,022 mm	Outside diameter lower tolerance
H	10 mm	Height of the assembled bearing
h _i	10 mm	Height inner ring
	0,06 mm	Width upper tolerance
	-0,06 mm	Width lower tolerance
≈m	174,4 g	Masa



Dimensions

D _i	80,5 mm	Inner diameter outer ring
D _M	80 mm	Rolling element pitch circle diameter
d _a	79,5 mm	Outer diameter inner ring
h	10 mm	Height of individual ring
	0 mm	Height of individual ring upper tolerance
	-0,01 mm	Height of individual ring lower tolerance
r _{min}	0,6 mm	Chamfer dimension
S	1,2 mm	Diameter of lubrication hole

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
VSP _{min}	0,003 mm	Minimum bearing preload
VSP _{max}	0,015 mm	Maximum bearing preload
C _a	16.600 N	Basic dynamic load rating, axial
C _{0a}	52.000 N	Basic static load rating, axial
C _r	11.800 N	Basic dynamic load rating, radial (for radial load only)
C _{0r}	25.500 N	Basic static load rating, radial (for radial load only)
N _{G oil}	955 1/min	Limiting speed for oil lubrication with preload
N _{G Grease}	475 1/min	Limiting speed for grease lubrication with preload
	61814	Dimensions identical to ISO dimension series 18



Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia
-  Mała przestrzeń zabudowy