

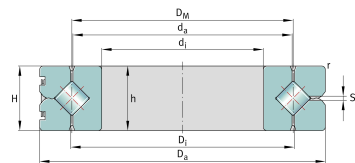


SX0118/500-VSP

Crossed roller bearing

Crossed roller bearingsdimension series 18 to
DIN 616

Informacje techniczne



Twoja aktualna wersja produktu

Preload	VSP	Bearing preload Standard
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Main Dimensions & Performance Data

d ₁	500 mm	Bore Diameter
	0,008 mm	Bore diameter upper tolerance
	-0,032 mm	Bore diameter lower tolerance
D _a	620 mm	Outside Diameter
	0 mm	Outside diameter upper tolerance
	-0,044 mm	Outside diameter lower tolerance
H	56 mm	Height of the assembled bearing
h _i	56 mm	Height inner ring
	0,16 mm	Width upper tolerance
	-0,16 mm	Width lower tolerance
≈m	42,98 kg	Masa



Dimensions

D_i	561,2 mm	Inner diameter outer ring
D_M	560 mm	Rolling element pitch circle diameter
d_a	558,8 mm	Outer diameter inner ring
h	56 mm	Height of individual ring
	0 mm	Height of individual ring upper tolerance
	-0,05 mm	Height of individual ring lower tolerance
r_{min}	3 mm	Chamfer dimension
S	2,5 mm	Diameter of lubrication hole

Temperature range

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

Calculation factors

	0,04 mm	Running accuracy, radial
	0,01 mm	Running accuracy, axial
VSP_{min}	0,005 mm	Minimum bearing preload
VSP_{max}	0,03 mm	Maximum bearing preload
C_a	550.000 N	Basic dynamic load rating, axial
C_{0a}	2.470.000 N	Basic static load rating, axial
C_r	390.000 N	Basic dynamic load rating, radial (for radial load only)
C_{0r}	1.210.000 N	Basic static load rating, radial (for radial load only)
$N_{G\ oil}$	135 1/min	Limiting speed for oil lubrication with preload
$N_{G\ Grease}$	65 1/min	Limiting speed for grease lubrication with preload
	618/500	Dimensions identical to ISO dimension series 18



Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Momenty względem wszystkich osi
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia
-  Łożysko gabarytowe