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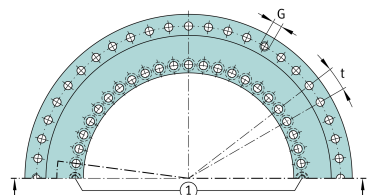
SCHAEFFLER

YRTCM460-XL

Axial/radial roller bearing

Axial/radial bearings, double direction, screw mounting, with integrated angular measuring system

Informacje techniczne



Twoja aktualna wersja produktu

Main Dimensions & Performance Data

d	460 mm	Bore diameter
	0 mm	Bore diameter upper tolerance
	-0,023 mm	Bore diameter lower tolerance
D	600 mm	Outside diameter
	0 mm	Outside diameter upper tolerance
	-0,028 mm	Outside diameter lower tolerance
H	70 mm	Height
C _r	265.000 N	Basic dynamic load rating, radial
C _{0r}	880.000 N	Basic static load rating, radial
C _a	290.000 N	Basic dynamic load rating, axial
C _{0a}	2.550.000 N	Basic static load rating, axial
n _G	150 1/min	Limiting speed
M _R	25 Nm	Bearing friction torque at 5 1/min
≈m	44,92 kg	Masa



Mounting dimensions

J	482 mm	Pitch circle diameter fixing holes in inner ring
J 1	580 mm	Pitch circle diameter fixing holes in outer ring
d 1	9,3 mm	Fixing holes diameter inner ring
d 2	15 mm	Counterbore diameter of fixing holes
a	8,2 mm	Counterbore depth of fixing holes
	46	Quantity of fixing holes inner ring
d 3	9,3 mm	Fixing holes diameter outer ring
	45	Quantity of fixing holes outer ring
n	48	Pitch quantity
t	7,5 °	Pitch separation angle
G	M12	Threaded extraction hole
	3	Quantity of threaded extraction hole
M A	34 Nm	Screw tightening torque
	2	Quantity of retaining screws
t 1	6 µm	Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Dimensions

H 1	46 mm	Height contact face outer ring
	0,06 mm	Height contact face outerring H1 upper tolerance
	-0,06 mm	Height contact face outerring H1 lower tolerance
H 2	24 mm	Height contact face outer ring
	0,03 mm	Height contact face outerring H2 upper tolerance
	-0,03 mm	Height contact face outerring H2 lower tolerance
H M	19 mm	Height shaft washer
D 1 max	560,9 mm	Maximum diameter inner ring
D M	557,6 mm	Diameter of dimensional scale on shaft locating washer
C	22 mm	Width of outer ring



Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Additional information

c _{aL}	24.000 N/μm	Axial rigidity of bearing position
c _{rL}	9.100 N/μm	Radial rigidity of bearing position
c _{kL}	686.000 Nm/mrad	Tilting rigidity of bearing position
c _{aW}	43.000 N/μm	Axial rigidity of rolling element set
c _{rW}	17.000 N/μm	Radial rigidity of rolling element set
c _{kW}	1.543.000 Nm/mrad	Tilting rigidity of rolling element set

Właściwości

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Obciążenie promieniowe
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Obciążenie osiowe jednokierunkowe
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Obciążenie osiowe dwukierunkowe
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Momenty względem wszystkich osi
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Smarowanie smarem
- 

Bez uszczelnienia
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Łożysko gabarytowe