

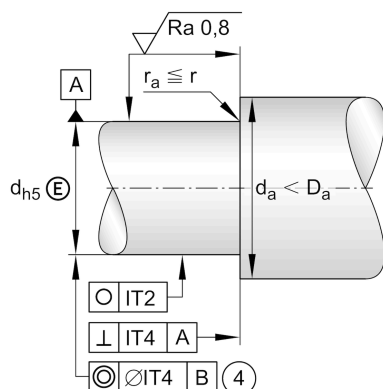
ZARN3080-L-TV

Axial/radial bearing

Schaeffler ID:
0016827840000

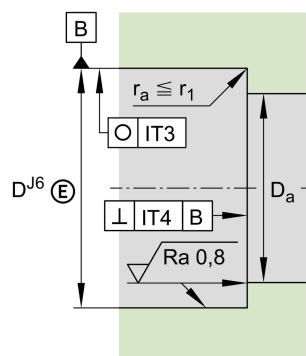
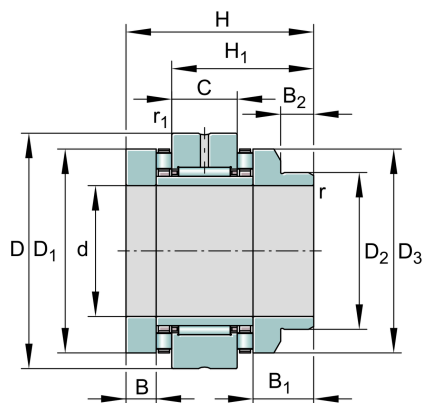
Needle roller/axial cylindrical roller bearings ZARN..-L, double direction, long shaft locating washer

Technical information



Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	80 mm	Outside diameter
H	82 mm	Height
C _a	107,000 N	Basic dynamic load rating, axial
C _{0a}	265,000 N	Basic static load rating, axial
C _r	26,000 N	Basic dynamic load rating, radial
C _{0r}	47,000 N	Basic static load rating, radial
C _{ua}	22,900 N	Fatigue load limit, axial
C _{ur}	6,800 N	Fatigue load limit, radial
n _{G Oil}	4,400 1/min	Limiting speed for oil lubrication
n _{G Grease}	1,300 1/min	Limiting speed for grease lubrication
M _{RL}	2.1 Nm	Bearing friction torque
	1.711 kg	Weight



Dimensions

H ₁	59 mm	Height outer ring over wave washer
c _{axL}	3,300 N/μm	Rigidity axial
c _{kL}	1,100 Nm/mrad	Tilting stiffness
C	20 mm	Width, outer ring
M _m	7.43 kg * cm ²	Mass moment of inertia
	1 μm	Axial runout
D ₁	68 mm	Rip diameter shaft washer
D ₂	52 mm	Heeldiameter wave washer long
radial	ZMA30/65	Locknut 1
axial	AM30	Locknut 2
D ₃	66 mm	Outside diameter wave washer long
M _A	75 Nm	Tightening torque nut
B	14 mm	Width, inner ring
	24,287 N	Preload force axial
B ₁	30 mm	Width wave washer long
	52X68X8	Sealing ring
B ₂	13 mm	Width heel wave washer long
r _{min}	0.3 mm	Minimum chamfer dimension
r _{1 min}	0.6 mm	Minimum chamfer dimension

Mounting dimensions

D _{a max}	69 mm	Maximum diameter of housing shoulder
d _{a min}	50 mm	Minimum diameter shaft shoulder