

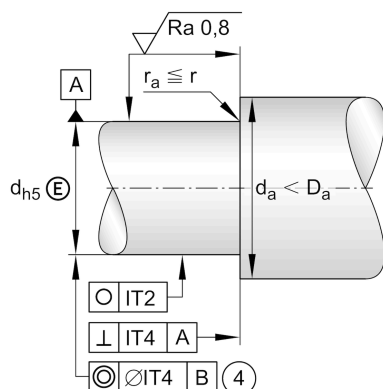
ZARN55115-L-TV

Axial/radial bearing

Schaeffler ID:
0016832170000

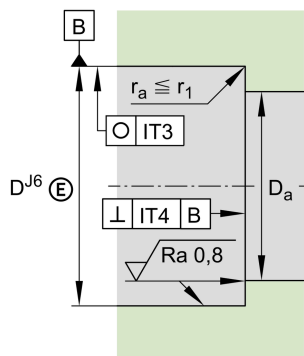
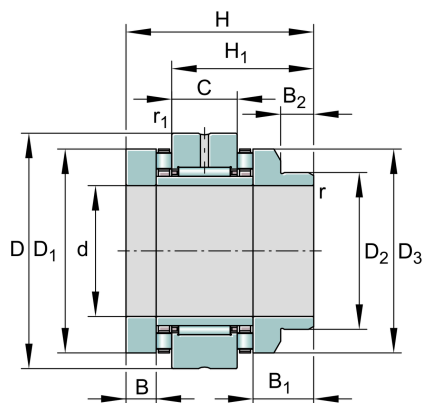
Needle roller/axial cylindrical roller bearings ZARN..-L, double direction, long shaft locating washer

Technical information



Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	115 mm	Outside diameter
H	103 mm	Height
C_a	177,000 N	Basic dynamic load rating, axial
C_{0a}	500,000 N	Basic static load rating, axial
C_r	44,000 N	Basic dynamic load rating, radial
C_{0r}	98,000 N	Basic static load rating, radial
C_{ua}	46,500 N	Fatigue load limit, axial
C_{ur}	13,800 N	Fatigue load limit, radial
$n_{G\ Oil}$	2,900 1/min	Limiting speed for oil lubrication
$n_{G\ Grease}$	1,000 1/min	Limiting speed for grease lubrication
M_{RL}	4 Nm	Bearing friction torque
	3.945 kg	Weight



Dimensions

H ₁	74.5 mm	Height outer ring over wave washer
c _{axL}	4,900 N/μm	Rigidity axial
c _{kL}	3,600 Nm/mrad	Tilting stiffness
C	25 mm	Width, outer ring
M _m	43 kg * cm ²	Mass moment of inertia
	1 μm	Axial runout
D ₁	100 mm	Rip diameter shaft washer
D ₂	80 mm	Heeldiameter wave washer long
radial	ZMA55/98	Locknut 1
axial	AM55	Locknut 2
D ₃	98 mm	Outside diameter wave washer long
M _A	220 Nm	Tightening torque nut
B	17.5 mm	Width, inner ring
	39,807 N	Preload force axial
B ₁	38.5 mm	Width wave washer long
	80X100X10	Sealing ring
B ₂	18 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}	101 mm	Maximum diameter of housing shoulder
d _{a min}	78 mm	Minimum diameter shaft shoulder