

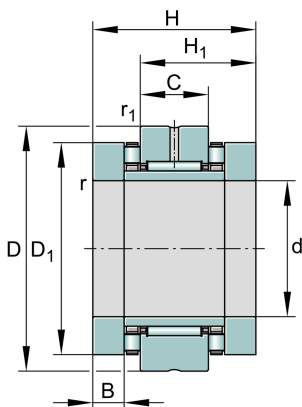
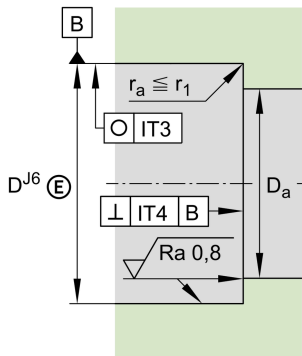
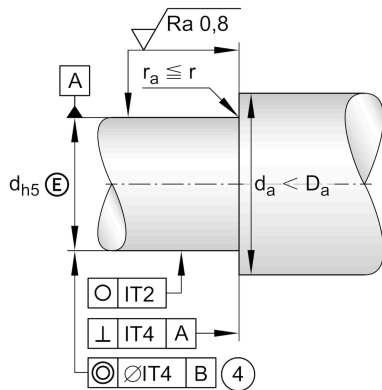
ZARN2052-TV

Axial/radial bearing

Schaeffler ID:
0016819230000

Needle roller/axial cylindrical roller bearings ZARN, double direction

Technical information



Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	52 mm	Outside diameter
H	46 mm	Height
C _a	33,500 N	Basic dynamic load rating, axial
C _{0a}	76,000 N	Basic static load rating, axial
C _r	14,900 N	Basic dynamic load rating, radial
C _{0r}	22,400 N	Basic static load rating, radial
C _{ua}	6,400 N	Fatigue load limit, axial
C _{ur}	3,400 N	Fatigue load limit, radial
n _{G Oil}	7,000 1/min	Limiting speed for oil lubrication
n _{G Grease}	2,000 1/min	Limiting speed for grease lubrication
M _{RL}	0.5 Nm	Bearing friction torque
	411.6 g	Weight

Dimensions

H ₁	31 mm	Height outer ring over wave washer
c _{aL}	1,800 N/μm	Rigidity axial
c _{kL}	230 Nm/mrad	Tilting stiffness
C	16 mm	Width, outer ring
M _m	0.615 kg * cm ²	Mass moment of inertia
	1 μm	Axial runout
D ₁	42 mm	Rip diameter shaft washer
radial	ZMA20/38	Locknut 1
axial	AM20	Locknut 2
M _A	18 Nm	Tightening torque nut
B	10 mm	Width, inner ring
	8,972 N	Preload force axial
r _{min}	0.3 mm	Minimum chamfer dimension
r _{1 min}	0.6 mm	Minimum chamfer dimension

Mounting dimensions

$D_{a \max}$	43 mm	Maximum diameter of housing shoulder
$d_{a \min}$	33 mm	Minimum diameter shaft shoulder