

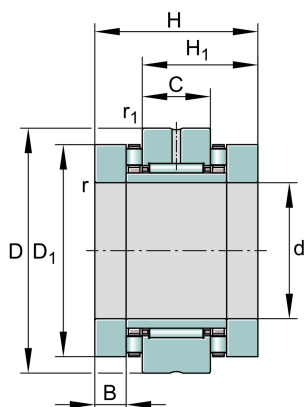
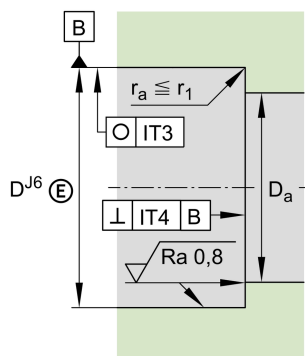
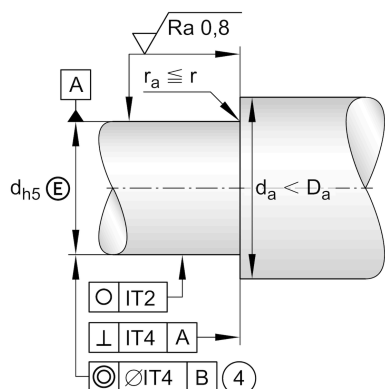
ZARN4075-TV

Axial/radial bearing

Schaeffler ID:
0016824230000

Needle roller/axial cylindrical roller bearings ZARN, double direction

Technical information



Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	75 mm	Outside diameter
H	54 mm	Height
C _a	59,000 N	Basic dynamic load rating, axial
C _{0a}	163,000 N	Basic static load rating, axial
C _r	27,500 N	Basic dynamic load rating, radial
C _{0r}	53,000 N	Basic static load rating, radial
C _{ua}	14,200 N	Fatigue load limit, axial
C _{ur}	7,600 N	Fatigue load limit, radial
n _{G Oil}	4,400 1/min	Limiting speed for oil lubrication
n _{G Grease}	1,600 1/min	Limiting speed for grease lubrication
M _{RL}	1 Nm	Bearing friction torque
	0.898 kg	Weight

Dimensions

H ₁	37 mm	Height outer ring over wave washer
c _{aL}	2,800 N/μm	Rigidity axial
c _{kL}	1,030 Nm/mrad	Tilting stiffness
C	20 mm	Width, outer ring
M _m	3.78 kg * cm ²	Mass moment of inertia
	1 μm	Axial runout
D ₁	65 mm	Rip diameter shaft washer
radial	ZMA40/62	Locknut 1
axial	AM40	Locknut 2
M _A	55 Nm	Tightening torque nut
B	11 mm	Width, inner ring
	14,240 N	Preload force axial
r _{min}	0.3 mm	Minimum chamfer dimension
r _{1 min}	0.6 mm	Minimum chamfer dimension

Mounting dimensions

$D_{a \max}$	66 mm	Maximum diameter of housing shoulder
$d_{a \min}$	55 mm	Minimum diameter shaft shoulder