

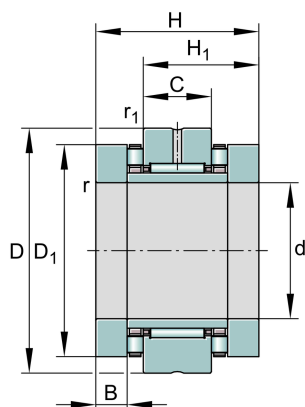
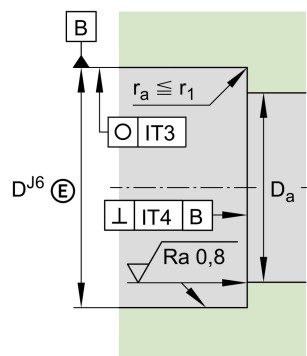
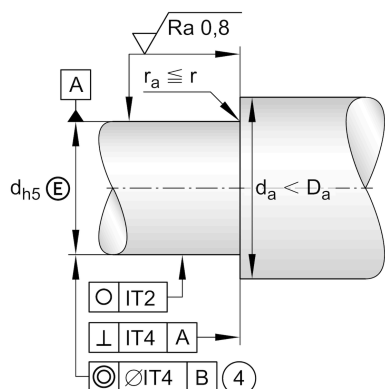
ZARN1747-TV

Axial/radial bearing

Schaeffler ID:
0010016120000

Needle roller/axial cylindrical roller bearings ZARN, double direction

Technical information



Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	47 mm	Outside diameter
H	43 mm	Height
C _a	26,000 N	Basic dynamic load rating, axial
C _{0a}	57,000 N	Basic static load rating, axial
C _r	14,000 N	Basic dynamic load rating, radial
C _{0r}	19,900 N	Basic static load rating, radial
C _{ua}	8,000 N	Fatigue load limit, axial
C _{ur}	3,000 N	Fatigue load limit, radial
n _{G Oil}	7,800 1/min	Limiting speed for oil lubrication
n _{G Grease}	2,100 1/min	Limiting speed for grease lubrication
M _{RL}	0.4 Nm	Bearing friction torque
	0.325 kg	Weight

Dimensions

H ₁	29.5 mm	Height outer ring over wave washer
c _{aL}	1,600 N/μm	Rigidity axial
c _{kL}	160 Nm/mrad	Tilting stiffness
C	16 mm	Width, outer ring
M _m	0.373 kg * cm ²	Mass moment of inertia
	1 μm	Axial runout
D ₁	38 mm	Rip diameter shaft washer
radial	ZM17	Locknut 1
axial	AM17	Locknut 2
M _A	12 Nm	Tightening torque nut
B	9 mm	Width, inner ring
	7,078 N	Preload force axial
r _{min}	0.3 mm	Minimum chamfer dimension
r _{1 min}	0.6 mm	Minimum chamfer dimension

Mounting dimensions

$D_{a \max}$	39 mm	Maximum diameter of housing shoulder
$d_{a \min}$	28 mm	Minimum diameter shaft shoulder