

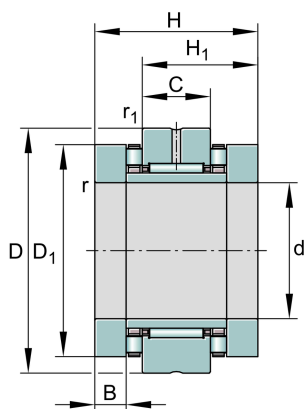
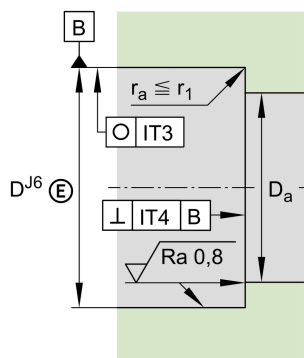
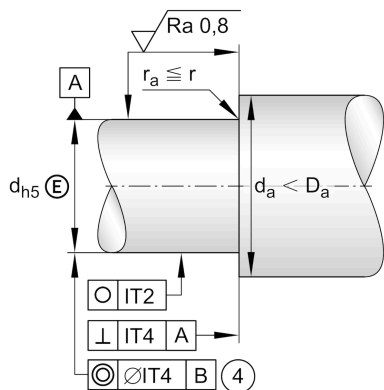
ZARN1545-TV

Axial/radial bearing

Schaeffler ID:
0016818930000

Needle roller/axial cylindrical roller bearings ZARN, double direction

Technical information



Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	45 mm	Outside diameter
H	40 mm	Height
C _a	24,900 N	Basic dynamic load rating, axial
C _{0a}	53,000 N	Basic static load rating, axial
C _r	13,000 N	Basic dynamic load rating, radial
C _{0r}	17,500 N	Basic static load rating, radial
C _{ua}	7,500 N	Fatigue load limit, axial
C _{ur}	2,650 N	Fatigue load limit, radial
n _{G Oil}	8,500 1/min	Limiting speed for oil lubrication
n _{G Grease}	2,200 1/min	Limiting speed for grease lubrication
M _{RL}	0.35 Nm	Bearing friction torque
	276.9 g	Weight

Dimensions

H ₁	28 mm	Height outer ring over wave washer
c _{aL}	1,400 N/μm	Rigidity axial
c _{kL}	110 Nm/mrad	Tilting stiffness
C	16 mm	Width, outer ring
M _m	0.24 kg * cm ²	Mass moment of inertia
	1 μm	Axial runout
D ₁	35 mm	Rip diameter shaft washer
radial	ZMA15/33	Locknut 1
axial	AM15	Locknut 2
M _A	10 Nm	Tightening torque nut
B	7.5 mm	Width, inner ring
	6,506 N	Preload force axial
r _{min}	0.3 mm	Minimum chamfer dimension
r _{1 min}	0.6 mm	Minimum chamfer dimension

Mounting dimensions

$D_{a \max}$	36 mm	Maximum diameter of housing shoulder
$d_{a \min}$	28 mm	Minimum diameter shaft shoulder