

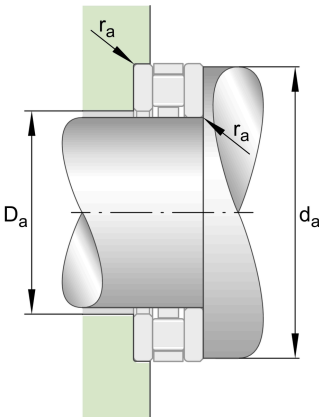
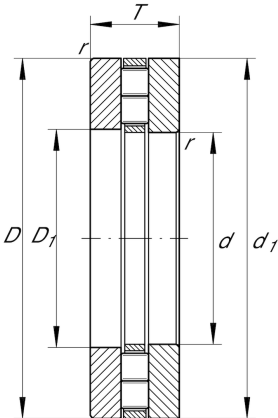
89316-TV

Axial cylindrical roller bearing

Schaeffler ID:  
0003616400000

Axial cylindrical roller bearings 893, single  
direction, comprising K893, GS, WS

Technical information



Main Dimensions & Performance Data

d	[80] mm	Bore diameter
D	[140] mm	Outside diameter
T	[36] mm	Height
C <sub>a</sub>	[305,000] N	Basic dynamic load rating, axial
C <sub>0a</sub>	[1,110,000] N	Basic static load rating, axial
C <sub>ua</sub>	[101,000] N	Fatigue load limit, axial
n <sub>G</sub>	[2,600] 1/min	Limiting speed
n <sub>gr</sub>	[990] 1/min	Reference speed
	[2.356] kg	Weight

Mounting dimensions

d <sub>a</sub>	[137] mm	Minimum diameter shaft shoulder
D <sub>a</sub>	[86] mm	Maximum diameter of housing shoulder
r <sub>a</sub>	[1.5] mm	Recess radius

Dimensions

D <sub>1</sub>	[82] mm	Bore diameter housing washer
d <sub>1</sub>	[140] mm	Rip diameter shaft washer
B	[36] mm	Width
r <sub>min</sub>	[1.5] mm	Minimum chamfer dimension
D <sub>c1</sub>	[80] mm	Cage bore diameter

Temperature range

T <sub>min</sub>	[-20] °C	Operating temperature min.
T <sub>max</sub>	[120] °C	Operating temperature max.

Additional information

[K89316-TV]	Axial roller and cage assembly
[GS89316]	Housing Washer
[WS89316]	Shaft washer