

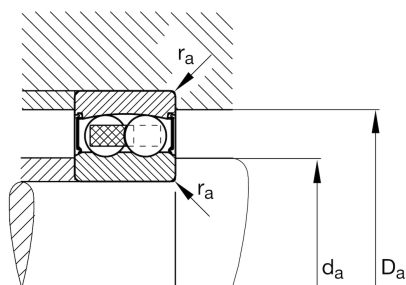
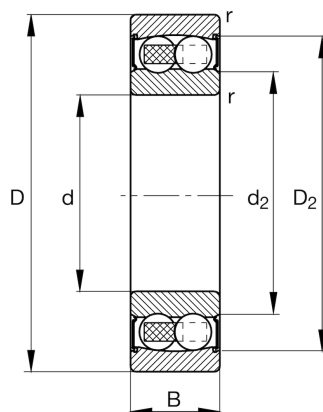
FAG

2302-2RS-TVH

Self-aligning ball bearing

Schaeffler ID:
0383760910000Self-aligning ball bearing 23...-2RS-TVH,
seals, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	15 mm	Bore diameter
D	42 mm	Outside diameter
B	17 mm	Width
r_{\min}	1 mm	Minimum chamfer dimension
C_r	9,800 N	Basic dynamic load rating, radial
C_{0r}	2,280 N	Basic static load rating, radial
C_{ur}	145 N	Fatigue load limit, radial
n_G	11,200 1/min	Limiting speed
	0.001 kg	Weight

Dimensions

D_2	34.9 mm	Caliber diameter outer ring
d_2	23.9 mm	Caliber diameter inner ring

Mounting dimensions

$d_{a\min}$	20.6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	36.4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Calculation factors

e	0.35	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1.79	Dynamic axial load factor
Y_2	2.77	Dynamic axial load factor
Y_0	1.88	Static axial load factor

Temperature range

T_{\min}	-20 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.