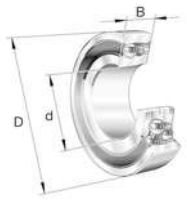
SCHAEFFLER



FAG

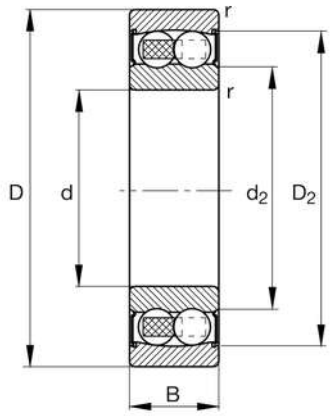
2302-2RS-TVH

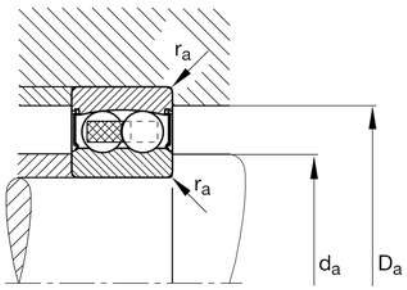
Self-aligning ball bearing

Schaeffler ID:
0383760910000

Self-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
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
	114 g	Weight

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

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
D_2	34,9 mm	Caliber diameter outer ring
d_2	23,9 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

e	0,35	Limiting value of Fa/Fr 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

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.