

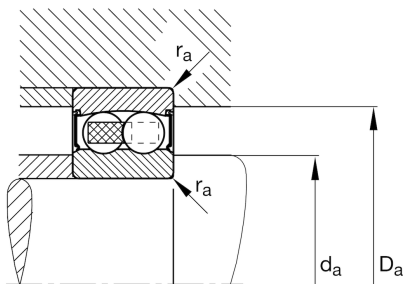
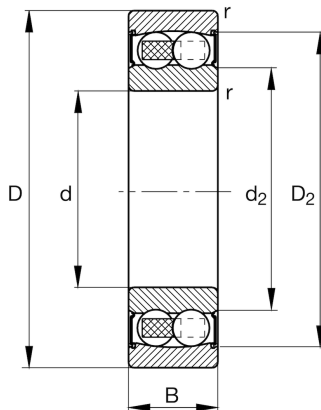
FAG

2307-2RS-TVH

Self-aligning ball bearing

Schaeffler ID:
0167071410000Self-aligning ball bearing 23...-2RS-TVH,
seals, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	31 mm	Width
C_r	25.500 N	Basic dynamic load rating, radial
C_{0r}	7.900 N	Basic static load rating, radial
C_{ur}	500 N	Fatigue load limit, radial
n_G	5.200 1/min	Limiting speed
	0,714 kg	Weight

Mounting dimensions

$d_{a \min}$	44 mm	Minimum diameter shaft shoulder
$D_{a \max}$	71 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
D_2	68,4 mm	Caliber diameter outer ring
d_2	44,9 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

e	0,26	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,46	Dynamic axial load factor
Y_2	3,8	Dynamic axial load factor
Y_0	2,57	Static axial load factor