

FAG**2308-2RS-TVH**

Self-aligning ball bearing

Schaeffler ID:
0167072300000Self-aligning ball bearing 23..-2RS-TVH,
seals, plastic cage

Technical information

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	33 mm	Width
r _{min}	1,5 mm	Minimum chamfer dimension
C _r	30.000 N	Basic dynamic load rating, radial
C _{0r}	9.700 N	Basic static load rating, radial
C _{ur}	610 N	Fatigue load limit, radial
n _G	4.650 1/min	Limiting speed
	0,925 kg	Weight

Dimensions

D ₂	77,3 mm	Caliber diameter outer ring
d ₂	51 mm	Caliber diameter inner ring

Mounting dimensions

d _{a min}	49 mm	Minimum diameter shaft shoulder
D _{a max}	81 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius

Calculation factors

e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,51	Dynamic axial load factor
Y ₂	3,88	Dynamic axial load factor
Y ₀	2,63	Static axial load factor

Temperature range

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