

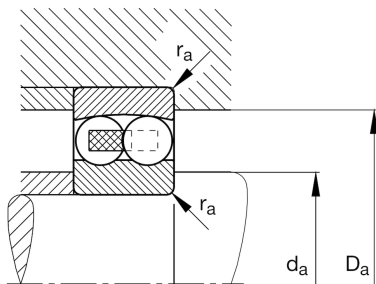
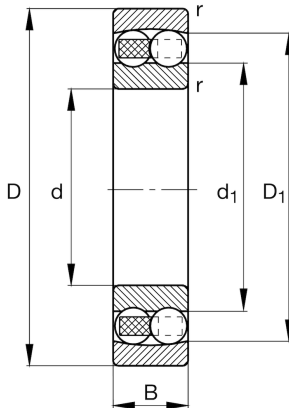
FAG

2218-TVH

Self-aligning ball bearing

Schaeffler ID:
0167032190000Self-aligning ball bearing 22..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	40 mm	Width
r_{\min}	2 mm	Minimum chamfer dimension
C_r	71.000 N	Basic dynamic load rating, radial
C_{0r}	28.500 N	Basic static load rating, radial
C_{ur}	1.630 N	Fatigue load limit, radial
n_G	4.400 1/min	Limiting speed
n_{gr}	5.200 1/min	Reference speed
	3,104 kg	Weight

Dimensions

D_1	139,4 mm	Shoulder diameter outer ring
d_1	111,5 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	101 mm	Minimum diameter shaft shoulder
$D_{a\max}$	149 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2 mm	Maximum fillet radius

Calculation factors

e	0,27	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,33	Dynamic axial load factor
Y_2	3,61	Dynamic axial load factor
Y_0	2,45	Static axial load factor

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.