



FAG

★ 2212-TVH

Self-aligning ball bearing

Schaeffler ID:
0167030730000Self-aligning ball bearing 22...-TVH, plastic
cage

★ Preferred product

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	1,09 kg	Weight

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	28 mm	Width
r_{\min}	1,5 mm	Minimum chamfer dimension
C_r	48.000 N	Basic dynamic load rating, radial
C_{0r}	16.500 N	Basic static load rating, radial
C_{ur}	1.040 N	Fatigue load limit, radial
n_G	6.300 1/min	Limiting speed
n_{gr}	6.400 1/min	Reference speed

Dimensions

D_1	98,2 mm	Shoulder diameter outer ring
d_1	76,6 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a \min}$	69 mm	Minimum diameter shaft shoulder
$D_{a \max}$	101 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius

Calculation factors

e	0,23	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,68	Dynamic axial load factor
Y_2	4,15	Dynamic axial load factor
Y_0	2,81	Static axial load factor