

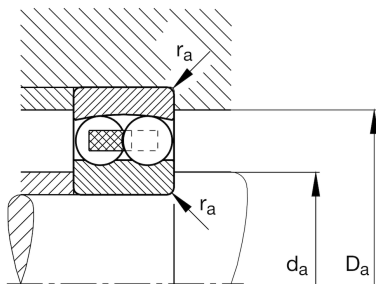
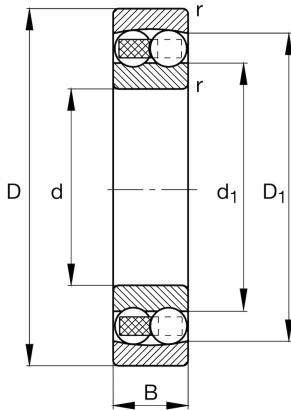
FAG

**2218-TVH**

Self-aligning ball bearing

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

## Technical information

**Dimensions**

$D_1$	139,4 mm	Shoulder diameter outer ring
$d_1$	111,5 mm	Shoulder diameter inner ring
	3,104 kg	Weight

**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

**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.