

FAG

**3204-BD-XL-2HRS**

Angular contact ball bearing

Schaeffler ID:  
0822087190000Angular contact ball bearing 32..-BD-  
XL-2HRS, double row, X-life, seals, steel  
sheet metal cage

X-life

## Technical information

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	20.6 mm	Width
$C_r$	20,600 N	Basic dynamic load rating, radial
$C_{0r}$	12,900 N	Basic static load rating, radial
$C_{ur}$	900 N	Fatigue load limit, radial
$n_G$	12,100 1/min	Limiting speed
	0.155 kg	Weight

**Mounting dimensions**

$d_{a \min}$	25.6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	41.4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

**Dimensions**

$r_{\min}$	1 mm	Minimum chamfer dimension
$D_2$	42.2 mm	Caliber diameter outer ring
$d_2$	29.2 mm	Caliber diameter inner ring
a	27.9 mm	Distance between the apexes of the pressure cones
$\alpha$	30 °	Contact angle

**Temperature range**

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