



FAG

3218

Angular contact ball bearing

Schaeffler ID:  
0167124630000Angular contact ball bearing 32, double  
row, with filling slot, steel sheet metal cage

## Technical information

## Main Dimensions &amp; Performance Data

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	52,4 mm	Width
C <sub>r</sub>	143.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	172.000 N	Basic static load rating, radial
C <sub>ur</sub>	8.000 N	Fatigue load limit, radial
n <sub>G</sub>	4.350 1/min	Limiting speed
n <sub>gr</sub>	4.550 1/min	Reference speed
	4,08 kg	Weight

## Dimensions

r <sub>min</sub>	2 mm	Minimum chamfer dimension
D <sub>1</sub>	143,7 mm	Shoulder diameter outer ring
d <sub>1</sub>	115,6 mm	Shoulder diameter inner ring
a	112,5 mm	Distance between the apexes of the pressure cones
α	35 °	Contact angle

## Mounting dimensions

d <sub>a min</sub>	104 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	146 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2 mm	Maximum fillet radius

## Temperature range

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	150 °C	Operating temperature max.

