

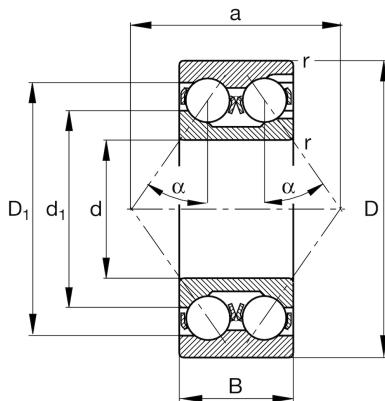
FAG

**3319-M**

Angular contact ball bearing

Schaeffler ID:  
0190023510000Angular contact ball bearing 33..-M, double  
row, 1 inner ring

## Technical information

**Main Dimensions & Performance Data**

d	95 mm	Bore diameter
D	200 mm	Outside diameter
B	77,8 mm	Width
$r_{\min}$	3 mm	Minimum chamfer dimension
$C_r$	270.000 N	Basic dynamic load rating, radial
$C_{0r}$	315.000 N	Basic static load rating, radial
$C_{ur}$	13.500 N	Fatigue load limit, radial
$n_G$	4.450 1/min	Limiting speed
$n_{gr}$	3.200 1/min	Reference speed
	11,076 kg	Weight

**Dimensions**

$D_1$	177,3 mm	Shoulder diameter outer ring
$d_1$	133 mm	Shoulder diameter inner ring
a	143,3 mm	Distance between the apexes of the pressure cones
$\alpha$	35 °	Contact angle

**Mounting dimensions**

$d_{a \min}$	109 mm	Minimum diameter shaft shoulder
$D_{a \max}$	186 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum fillet radius

**Temperature range**

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

