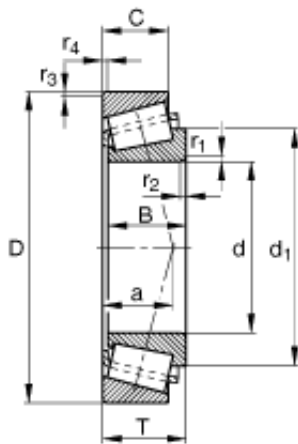




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FAG 30311-A Tapered Roller Bearings

Bearing No. 30311-A

Size	55x120x31.5 mm
Bore Diameter	55 mm
Outer Diameter	120 mm
Width	31,5 mm
d	55 mm
D	120 mm
T	31,5 mm
a	25 mm
B	29 mm
C	25 mm
$C_{a \text{ min}}$	4 mm
$C_{b \text{ min}}$	6,5 mm
$D_{a \text{ max}}$	110 mm
$D_{a \text{ min}}$	104 mm
$D_{b \text{ min}}$	111 mm
d_1	84,7 mm
$d_{a \text{ max}}$	71 mm
$d_{b \text{ min}}$	65 mm
$r_{1, 2 \text{ min}}$	2,5 mm
$r_{3, 4 \text{ min}}$	2 mm
$r_{a \text{ max}}$	2,5 mm
$r_{b \text{ max}}$	2 mm
m	1,8 kg / Weight
C_r	151000 N

30311-A Bearing 2D drawings and 3D CAD models



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C_{0r}	173000 N / Static load rating (radial)
e	0,35
Y	1,74
Y_0	0,96
C_{ur}	20600 N / Fatigue limit load, radial
n_G	6200 1/min / Limiting speed
n_B	4500 1/min / Reference speed