



FAG

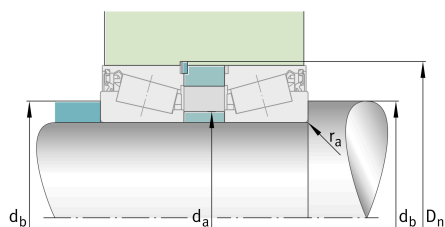
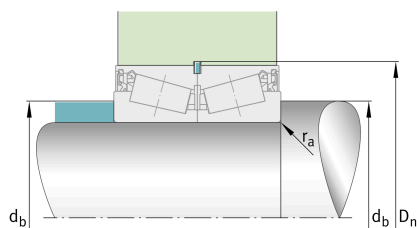
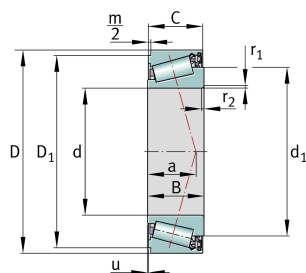
**JK0S030**

Tapered roller bearing

Schaeffler ID:  
0190040790000

Tapered roller bearings JK0S, integral tapered roller bearings, lip seal on one side, diameter series 0

## Technical information

**Main Dimensions & Performance Data**

d	30 mm	Bore diameter
D	55 mm	Outside diameter
B	19 mm	Width, inner ring
C	18,5 mm	Width, outer ring
$C_r$	38.500 N	Basic dynamic load rating, radial
$C_{0r}$	46.500 N	Basic static load rating, radial
$C_{ur}$	5.400 N	Fatigue load limit, radial
$n_G$	6.100 1/min	Limiting speed
$F_{BR}$	15.700 N	Load carrying capacity of snap ring connection
	7.700 N	Maximum axial clamping force
$\approx m$	185,3 g	Weight

**Mounting dimensions**

$d_{a \max}$	35 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	36 mm	Minimum diameter of shaft shoulder
$r_{a \max}$	1 mm	Maximum fillet radius of shaft
$D_n$	56,5 mm	Groove diameter at housing
$\Delta_{Dn}$	0,19 mm	Upper limit deviation
$\Delta_{Dn}$	0 mm	Lower limit deviation

**Dimensions**

$r_{1,2 \min}$	1 mm	Minimum chamfer dimension of inner ring back face
$D_1$	51,4 mm	Diameter of groove
$m/2$	0,75 mm	Width of groove
a	15 mm	Distance between the apexes of the pressure cones
u	0,02 mm	Stand out inner to outer ring
$\Delta_u$	0,05 mm	Upper limit deviation
$\Delta_u$	0 mm	Lower limit deviation

**Temperature range**

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	110 °C	Operating temperature max.

**Calculation factors**

e	0,43	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
Y	1,4	Dynamic axial load factor
$Y_0$	0,77	Static axial load factor

**Additional information**

BR55	Snap ring
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