

**FAG****Z-543083.TR1** [↗](#)

Tapered roller bearing

Tapered roller bearings, single row

Technical information



Your current product variant

Tolerance class	PN	Normal (ISO 492:2014)
Cage	Standard	Sheet steel cage, window cage, roller-guided
Quality level	Standard	
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	62 mm	Outside diameter
B	17,95 mm	Width, inner ring
C	14 mm	Width, outer ring
T	18 mm	Width, total
C_r	38.000 N	Basic dynamic load rating, radial
C_{0r}	49.000 N	Basic static load rating, radial
C_{ur}	5.700 N	Fatigue load limit, radial
n_G	11.800 1/min	Limiting speed
$\approx m$	0,26 kg	Weight

Dimensions

a	16 mm	Distance between the apexes of the pressure cones
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Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

Calculation factors

e	0,44	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1,35	Dynamic axial load factor
Y_0	0,74	Static axial load factor

Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed