

**FAG****Z-523871.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	630 mm	Bore diameter
D	850 mm	Outside diameter
B	100 mm	Width, inner ring
C	78 mm	Width, outer ring
T	108 mm	Width, total
C_r	2.600.000 N	Basic dynamic load rating, radial
C_{0r}	5.800.000 N	Basic static load rating, radial
C_{ur}	470.000 N	Fatigue load limit, radial
n_G	630 1/min	Limiting speed
$\approx m$	154 kg	Weight

Dimensions

a	145 mm	Distance between the apexes of the pressure cones
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Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Calculation factors

e	0,4	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1,5	Dynamic axial load factor
Y_0	0,83	Static axial load factor

Characteristics

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