



FAG

**31326-X**

Tapered roller bearing

Schaeffler ID:  
0190020920000

Tapered roller bearings 313, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

## Technical information

**Main Dimensions & Performance Data**

d	130 mm	Bore diameter
D	280 mm	Outside diameter
B	66 mm	Width, inner ring
C	44 mm	Width, outer ring
T	72 mm	Width, total
$C_r$	610.000 N	Basic dynamic load rating, radial
$C_{0r}$	790.000 N	Basic static load rating, radial
$C_{ur}$	94.000 N	Fatigue load limit, radial
$n_G$	2.430 1/min	Limiting speed
$n_{gr}$	1.860 1/min	Thermal speed rating
	18,8 kg	Weight

**Dimensions**

	T7GB130	Comparative designation to ISO 10317 and ISO 355
$r_{1,2 \text{ min}}$	5 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	4 mm	Minimum chamfer dimension of outer ring back face
a	87 mm	Distance between the apexes of the pressure cones
$d_1$	206 mm	Guidance rib diameter of inner ring

### Mounting dimensions

$d_{a \max}$	157 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	148 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	218 mm	Minimum diameter of housing shoulder
$D_{a \max}$	262 mm	Maximum diameter of housing shoulder
$D_{b \min}$	261 mm	Minimum diameter of housing shoulder
$C_{a \min}$	9 mm	Minimum axial space
$C_{b \min}$	28 mm	Minimum axial space
$r_{a \max}$	5 mm	Maximum fillet radius of shaft
$r_{b \max}$	4 mm	Maximum fillet radius of housing

### Calculation factors

e	0,83	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
Y	0,73	Dynamic axial load factor
$Y_0$	0,4	Static axial load factor

### Temperature range

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