



FAG

K663 [↗](#)

Кegelrollenlager

Кegelrollenlager ohne Außenring (Cone) K-Series, in Zollabmessungen

Техническая информация



Your current product variant

| | | |
|--------------------------|----------|---|
| Toleranzklasse | ABMA4 | Klasse 4 (ANSI/ABMA 19.2:2013) |
| Wärmebehandlung | Standard | |
| Käfig | Standard | Käfig aus Stahlblech, Fensterkäfig, wälzkörpergeführt |
| Qualitätslevel | Standard | |
| Anzahl Wälzkörper-Reihen | 1 | Einreihig |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 82,55 mm | Bore diameter |
| B | 41,275 mm | Width, inner ring |
| C _r | 211.000 N | Basic dynamic load rating, radial |
| C _{0r} | 305.000 N | Basic static load rating, radial |
| C _{ur} | 37.500 N | Fatigue load limit, radial |
| n _G | 4.750 1/min | Limiting speed |
| n _{gr} | 3.650 1/min | Thermal speed rating |
| ≈m | 1,929 kg | Weight |



Mounting dimensions

| | | |
|---------------|--------|------------------------------------|
| $d_{a \max}$ | 92 mm | Maximum diameter of shaft shoulder |
| $d_{b \min}$ | 99 mm | Minimum diameter of shaft shoulder |
| $C_{Ra \min}$ | 5 mm | Minimum axial space |
| $C_{Rb \max}$ | 1,5 mm | Maximum axial space |
| $r_{a \max}$ | 3,6 mm | Maximum fillet radius of shaft |

Dimensions

| | | |
|----------------|------------|---|
| $r_{1,2 \min}$ | 3,6 mm | Minimum chamfer dimension of inner ring back face |
| a | 33 mm | Distance between the apexes of the pressure cones |
| d_1 | 114 mm | Guidance rib diameter of inner ring |
| E_w | 143,043 mm | Outer envelope circle |
| α | 15,242 ° | Contact angle |






Temperature range

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

Calculation factors

| | | |
|-------|------|--|
| e | 0,41 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y | 1,47 | Dynamic axial load factor |
| Y_0 | 0,81 | Static axial load factor |

Characteristics

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