

**GE80-XL-KRR-B-FA164-AH01** [↗](#)

Radial insert ball bearing

Radial insert ball bearings GE...KRR-B-FA164, spherical outer ring, location by eccentric locking collar, R seals on both sides, for temperatures up to +250°C

X-life

Technical information



Your current product variant

| | | |
|---------------------------|-------|--------------------------------------|
| Manufacturing instruction | FA164 | High temperature design up to +250°C |
|---------------------------|-------|--------------------------------------|

Main Dimensions & Performance Data

| | | |
|-----------------|----------|-----------------------------------|
| d | 80 mm | Bore diameter |
| D _{SP} | 140 mm | Outside diameter |
| B | 53,2 mm | Width |
| C _{0r} | 54.000 N | Basic static load rating, radial |
| C _{ur} | 2.700 N | Fatigue load limit, radial |
| B ₁ | 70,7 mm | Locking collar total width |
| C _r | 76.000 N | Basic dynamic load rating, radial |
| ≈m | 2,84 kg | Weight |



Dimensions

| | | |
|----------------|---------|---|
| C | 30 mm | Width, outer ring |
| C ₂ | 38 mm | Sealing total width |
| S | 23,4 mm | Distance raceway |
| d ₁ | 97 mm | Rib diameter inner ring |
| D ₁ | 120 mm | Outside diameter seal |
| C _a | 8,8 mm | Distance to lubrication hole |
| d ₃ | 108 mm | Outside diameter locking collar/locknut |
| W | 6 mm | Width of flats |








Temperature range

| | | |
|------------------|--------|----------------------------|
| T _{min} | 150 °C | Operating temperature min. |
| T _{max} | 250 °C | Operating temperature max. |

Calculation factors

| | | |
|----------------|------|--------------------|
| f ₀ | 14,7 | Calculation factor |
|----------------|------|--------------------|

Characteristics

| | |
|---|--|
|  | Radial load |
|  | Axial load in one direction |
|  | Axial load in two directions |
|  | Lifetime lubrication, freedom from maintenance |
|  | Grease Lubrication |
|  | Sealed on both sides |
|  | Static angular error and misalignment |