

FAG

★ NU316-E-XL-TVP2

Cylindrical roller bearing

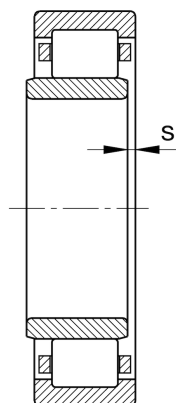
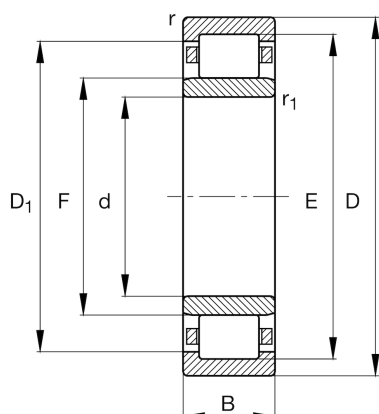
Schaeffler ID:
0167401650000

★ Preferred product

Cylindrical roller bearing NU...-E-XL-TVP2,
with cage, single row, non-locating bearing,
2 ribs on outer ring, 0 ribs on inner ring
(smooth), type NU

X-life

Technical information



Temperature range

| | | |
|-----------|----------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 120 °C | Operating temperature max. |
| | 3,812 kg | Weight |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 80 mm | Bore diameter |
| D | 170 mm | Outside diameter |
| B | 39 mm | Width |
| C_r | 300.000 N | Basic dynamic load rating, radial |
| C_{0r} | 275.000 N | Basic static load rating, radial |
| C_{ur} | 37.500 N | Fatigue load limit, radial |
| n_G | 4.800 1/min | Limiting speed |
| n_{gr} | 4.100 1/min | Reference speed |

Dimensions

| | | |
|------------|----------|---------------------------------|
| r_{min} | 2,1 mm | Minimum chamfer dimension |
| r_{1min} | 2,1 mm | Minimum chamfer dimension |
| s | 0,7 mm | Axial displacement |
| E | 151 mm | Raceway diameter outer ring |
| F | 101 mm | Raceway diameter inner ring |
| D_{1min} | 143,9 mm | Minimum rib diameter outer ring |

Mounting dimensions

| | | |
|-------------|--------|--------------------------------------|
| d_{amin} | 92 mm | Minimum diameter shaft shoulder |
| d_{amax} | 99 mm | Maximum diameter of shaft shoulder |
| d_{bmin} | 105 mm | Minimum shaft shoulder |
| D_{amax} | 158 mm | Maximum diameter of housing shoulder |
| r_{amax} | 2,1 mm | Maximum recess radius |
| r_{a1max} | 2,1 mm | Maximum recess radius |

