

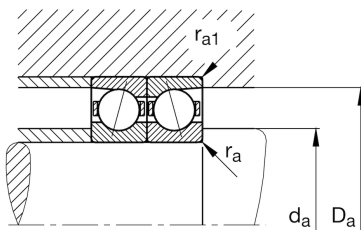
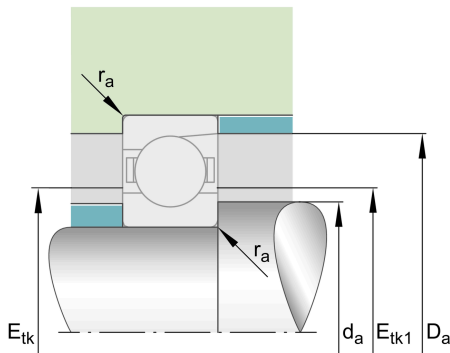
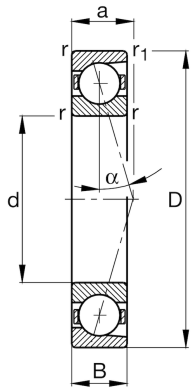
FAG

B7212-E-T-P4S-UL

Spindle bearing

Schaeffler ID:
0191567820000Spindle bearings B72...-E, adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, restricted tolerances

Technical information



Main Dimensions & Performance Data

| | | |
|------------------------|----------------|---------------------------------------|
| d | 2,362 in | Bore diameter |
| D | 4,331 in | Outside diameter |
| B | 0,866 in | Width |
| C_r | 11.915,468 lbf | Basic dynamic load rating, radial |
| C_{0r} | 6.632,194 lbf | Basic static load rating, radial |
| C_{ur} | 708,183 lbf | Fatigue load limit, radial |
| $n_{G \text{ Grease}}$ | 12.000 1/min | Limiting speed for grease lubrication |
| $n_{G \text{ Oil}}$ | 19.000 1/min | Limiting speed for oil lubrication |
| | 1,717 lbs | Weight |

Mounting dimensions

| | | |
|-----------------------|----------|---|
| d_a | 2,736 in | Diameter shaft shoulder |
| d_a | h12 | Diameter shaft shoulder clearance |
| D_a | 3,996 in | Shoulder diameter outer ring |
| D_a | H12 | Shoulder diameter outer ring clearance |
| $r_{a \text{ max}}$ | 0,059 in | Maximum recess radius |
| $r_{a1 \text{ max}}$ | 0,024 in | Maximum recess radius |
| $E_{tk \text{ min}}$ | 3,031 in | Minimum diameter injection pitch |
| $E_{tk \text{ max}}$ | 3,224 in | Maximum diameter injection pitch |
| $E_{tk1 \text{ min}}$ | 3,031 in | Minimum diameter injection pitch |
| $E_{tk1 \text{ max}}$ | 3,224 in | Maximum diameter injection pitch |
| a | 1,217 in | Distance between the apexes of the pressure cones |

Dimensions

| | | |
|---------------------|----------|---------------------------|
| r_{min} | 0,059 in | Minimum chamfer dimension |
| $r_{1 \text{ min}}$ | 0,059 in | Minimum chamfer dimension |
| α | 25 ° | Contact angle |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -22 °F | Operating temperature min. |
| T_{\max} | 212 °F | Operating temperature max. |

Additional information

| | | |
|-----------|---------------|-----------------------|
| F_{VL} | 104,092 lbf | Preload force light |
| F_{VM} | 356,565 lbf | Preload force medium |
| F_{VH} | 742,806 lbf | Preload force heavy |
| K_{aEL} | 303,732 lbf | Lift-off force light |
| K_{aEM} | 1.077,788 lbf | Lift-off force medium |
| K_{aEH} | 2.323,291 lbf | Lift-off force heavy |
| c_{aL} | 165 N/μm | Axial rigidity light |
| c_{aM} | 264 N/μm | Axial rigidity medium |
| c_{aH} | 358 N/μm | Axial rigidity heavy |