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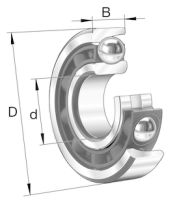



FAG

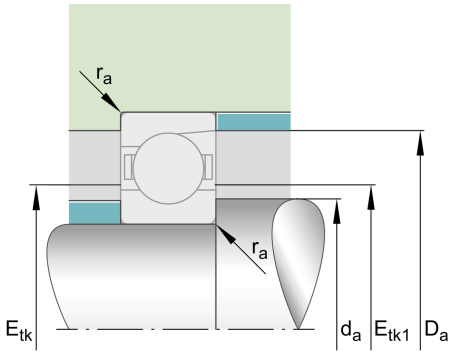
# B71905-C-T-P4S-UL

Spindle bearing

Schaeffler ID:
0191535700000

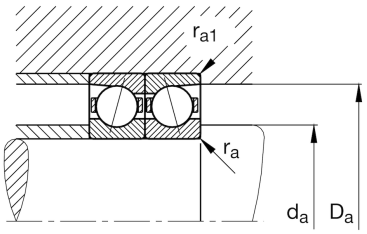
Spindle bearings B719..-C, adjusted, in pairs or sets, contact angle α = 15°, restricted tolerances

## Technical information




### Main Dimensions & Performance Data

| | | |
|---|---|---|
| d | 25 mm | Bore diameter |
| D | 42 mm | Outside diameter |
| B | 9 mm | Width |
| $C_r$ | 8.000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 3.800 N | Basic static load rating, radial |
| $C_{ur}$ | 400 N | Fatigue load limit, radial |
| $n_{G\ Grease}$ | 36.000 1/min | Limiting speed for grease lubrication |
| $n_{G\ Oil}$ | 56.000 1/min | Limiting speed for oil lubrication |
| | 43,93 g | Weight |

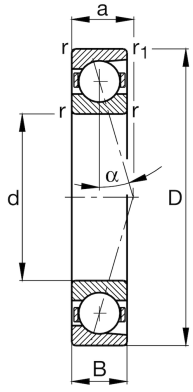



### Dimensions

| | | |
|---|---|---|
| $r_{min}$ | 0,3 mm | Minimum chamfer dimension |
| $r_{1\ min}$ | 0,3 mm | Minimum chamfer dimension |
| α | 15 ° | Contact angle |

### Mounting dimensions

| | | |
|---|---|---|
| $d_a$ | 29 mm | Diameter shaft shoulder |
| $d_a$ | h12 | Diameter shaft shoulder clearance |
| $D_a$ | 38,5 mm | Shoulder diameter outer ring |
| $D_a$ | H12 | Shoulder diameter outer ring clearance |
| $r_{a\ max}$ | 0,3 mm | Maximum recess radius |
| $r_{a1\ max}$ | 0,15 mm | Maximum recess radius |
| $E_{tk\ min}$ | 31 mm | Minimum diameter injection pitch |
| $E_{tk\ max}$ | 32 mm | Maximum diameter injection pitch |
| $E_{tk1\ min}$ | 31 mm | Minimum diameter injection pitch |
| $E_{tk1\ max}$ | 32 mm | Maximum diameter injection pitch |
| a | 9 mm | Distance between the apexes of the pressure cones |



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## Additional information

| | | |
|---|---|---|
| $F_{V\,L}$ | 34 N | Preload force light |
| $F_{V\,M}$ | 127 N | Preload force medium |
| $F_{V\,H}$ | 265 N | Preload force heavy |
| $K_{aE\,L}$ | 102 N | Lift-off force light |
| $K_{aE\,M}$ | 418 N | Lift-off force medium |
| $K_{aE\,H}$ | 934 N | Lift-off force heavy |
| $c_{a\,L}$ | 24,9 N/µm | Axial rigidity light |
| $c_{a\,M}$ | 45,4 N/µm | Axial rigidity medium |
| $c_{a\,H}$ | 66,3 N/µm | Axial rigidity heavy |