

# Spindle bearings B71920-C-T-P4S

## (Series B719..-C)

adjusted, in pairs or sets, contact angle  $\alpha = 15^\circ$ , restricted tolerances

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue selection system (<http://www.fag.de/content.fag.de/en/mediathek/library/library.jsp>) or by telephone on +49 (91 32) 82 - 28 97.

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| d                      | 100 mm                                                          |
| D                      | 140 mm                                                          |
| B                      | 20 mm                                                           |
| a                      | 26 mm                                                           |
| Da                     | 133 mm Tolerance: H12                                           |
| da                     | 107 mm Tolerance: h12                                           |
| E <sub>tk</sub><br>nom | 117,2 mm                                                        |
| r <sub>1</sub><br>min  | 1,1 mm                                                          |
| r <sub>a1</sub><br>max | 0,6 mm                                                          |
| r <sub>a</sub><br>max  | 0,6 mm                                                          |
| r <sub>min</sub>       | 1,1 mm                                                          |
| $\alpha$               | 15 ° Contact angle                                              |
| m                      | 0,772 kg Mass                                                   |
| C <sub>r</sub>         | 60000 N Basic dynamic load rating, radial                       |
| C <sub>0r</sub>        | 45000 N Basic static load rating, radial                        |
| n <sub>G</sub><br>Fett | 9500 1/min Limiting speed for grease lubrication                |
| n <sub>G</sub><br>Öl   | 14000 1/min Limiting speed for minimal quantity oil lubrication |
| C <sub>ur</sub>        | 4200 N Fatigue limit load, radial                               |
| F <sub>v</sub>         | 316 N Preload force                                             |

|     |                        |
|-----|------------------------|
| L   |                        |
| Fv  | 1040 N Preload force   |
| M   |                        |
| Fv  | 2101 N Preload force   |
| H   |                        |
| KaE | 968 N Lift-off force   |
| L   |                        |
| KaE | 3432 N Lift-off force  |
| M   |                        |
| KaE | 7399 N Lift-off force  |
| H   |                        |
| Ca  | 94,1 N Axial rigidity  |
| L   |                        |
| Ca  | 159,8 N Axial rigidity |
| M   |                        |
| Ca  | 227,5 N Axial rigidity |
| H   |                        |



