

Spindle bearings HCB71914-C-T-P4S (Series HCB719..-C)

adjusted, in pairs or sets, contact angle $\alpha = 15^\circ$, with ceramic balls,
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 (https://www.schaeffler.de/content.schaeffler.de/en/news_media/index.jsp) or by telephone on +49 (91 32) 82 - 28 97.

d	70 mm
D	100 mm
B	16 mm
a	19,4 mm
Da	94,5 mm Tolerance: H12
da	76 mm Tolerance: h12
Etk1 max	82,2 mm
Etk1 min	79,3 mm
Etk max	82,2 mm
Etk min	79,3 mm

r ₁ min	1 mm	
r _{a1} max	0,3 mm	
r _a max	0,6 mm	
r _{min}	1 mm	
α	15 °	Contact angle
m	0,28 kg	≈ Mass
C _r	34500 N	Basic dynamic load rating, radial
C _{0r}	22000 N	Basic static load rating, radial
C _{ur}	1770 N	Fatigue limit load, radial
n _{G Fett}	19000 1/min	Limiting speed for grease lubrication The limiting speeds are based on elastically preloaded single bearings.
n _{G Öl}	28000 1/min	Limiting speed for minimal quantity oil lubrication The limiting speeds are based on elastically preloaded single bearings.
F _{V L}	83 N	Preload force
F _{V M}	312 N	Preload force
F _{V H}	665 N	Preload force
K _{aE L}	245 N	Lift-off force
K _{aE M}	980 N	Lift-off force

K _{aE H}	2200 N	Lift-off force
Ca L	55,5 N/μm	Axial rigidity
Ca M	95,3 N/μm	Axial rigidity
Ca H	135 N/μm	Axial rigidity



