

Spindle bearings HC71902-E-T-P4S (Series HC719..-E)

adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, 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	15 mm
D	28 mm
B	7 mm
a	8,5 mm
Da	25,5 mm Tolerance: H12
da	18 mm Tolerance: h12
Etk1 max	20,4 mm
Etk1 min	18,8 mm
Etk max	20,4 mm
Etk min	19,9 mm

r1 min	0,3 mm	
ra1 max	0,1 mm	
ra max	0,3 mm	
rmin	0,3 mm	
α	25 °	Contact angle
m	0,016 kg	≈ Mass
Cr	2410 N	Basic dynamic load rating, radial
C0r	950 N	Basic static load rating, radial
Cur	76 N	Fatigue limit load, radial
nG Fett	85000 1/min	Limiting speed for grease lubrication The limiting speeds are based on elastically preloaded single bearings.
nG Öl	130000 1/min	Limiting speed for minimal quantity oil lubrication The limiting speeds are based on elastically preloaded single bearings.
Fv L	11 N	Preload force
Fv M	32 N	Preload force
Fv H	63 N	Preload force
KaE L	30 N	Lift-off force
KaE M	92 N	Lift-off force

K _{aE H}	188 N	Lift-off force
Ca L	28 N/μm	Axial rigidity
Ca M	41,5 N/μm	Axial rigidity
Ca H	53,9 N/μm	Axial rigidity



