

## Spindle bearings HSS7013-E-T-P4S (Series HSS70..-E)

adjusted, in pairs or sets, contact angle  $\alpha = 25^\circ$ , lip seals on both sides, non-contact, 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](https://www.schaeffler.de/content.schaeffler.de/en/news_media/index.jsp)) or by telephone on +49 (91 32) 82 - 28 97.

d	65 mm	
D	100 mm	
B	18 mm	
a	28,2 mm	
Da	93 mm	Tolerance: H12
da	72 mm	Tolerance: h12
r1 min	1,1 mm	
ra1 max	0,6 mm	
ra max	1 mm	
rmin	1,1 mm	
$\alpha$	25 °	Contact angle

m	0,509 kg	≈ Mass
C <sub>r</sub>	18200 N	Basic dynamic load rating, radial
C <sub>0r</sub>	12700 N	Basic static load rating, radial
C <sub>ur</sub>	1350 N	Fatigue limit load, radial
n <sub>G Fett</sub>	17000 1/min	Limiting speed for grease lubrication The limiting speeds are based on elastically preloaded single bearings.
F <sub>V L</sub>	109 N	Preload force
F <sub>V M</sub>	328 N	Preload force
F <sub>V H</sub>	656 N	Preload force
K <sub>aE L</sub>	315 N	Lift-off force
K <sub>aE M</sub>	964 N	Lift-off force
K <sub>aE H</sub>	1967 N	Lift-off force
C <sub>a L</sub>	119 N/μm	Axial rigidity
C <sub>a M</sub>	177 N/μm	Axial rigidity
C <sub>a H</sub>	231 N/μm	Axial rigidity



