

Spindle bearings B7021-C-T-P4S (Series B70..-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 (https://www.schaeffler.de/content.schaeffler.de/en/news_media/index.jsp) or by telephone on +49 (91 32) 82 - 28 97.

d	105 mm	
D	160 mm	
B	26 mm	
a	30,8 mm	
Da	150 mm	Tolerance: H12
da	116 mm	Tolerance: h12
E _{tk1} max	128,3 mm	
E _{tk1} min	123 mm	
E _{tk} max	128,3 mm	
E _{tk} min	123 mm	
r ₁ min	2 mm	

$r_{a1 \max}$	1 mm	
$r_{a \max}$	2 mm	
r_{\min}	2 mm	
α	15 °	Contact angle
m	1,6 kg	≈ Mass
C_r	85000 N	Basic dynamic load rating, radial
C_{0r}	61000 N	Basic static load rating, radial
C_{ur}	5600 N	Fatigue limit load, radial
$n_G \text{ Fett}$	8500 1/min	Limiting speed for grease lubrication The limiting speeds are based on elastically preloaded single bearings.
$n_G \text{ Öl}$	13000 1/min	Limiting speed for minimal quantity oil lubrication The limiting speeds are based on elastically preloaded single bearings.
$F_{V L}$	471 N	Preload force
$F_{V M}$	1511 N	Preload force
$F_{V H}$	3027 N	Preload force
$K_{aE L}$	1447 N	Lift-off force
$K_{aE M}$	5010 N	Lift-off force
$K_{aE H}$	10710 N	Lift-off force

Ca L	107 N/μm	Axial rigidity
Ca M	181 N/μm	Axial rigidity
Ca H	257 N/μm	Axial rigidity



