



Range

System	1 x NK-02-27-2,350 1 x NK-02-27-2,350 LLZ	
Rail material	anodized aluminium	
Distance rails (b)	250	mm
Distance carriage (wx)	75	mm
Installation type	horizontal	
Drive	Single drive with fixed/floating bearing	
Drive coordinate (ay)	0	mm
Drive coordinate (az)	125	mm
Centre of mass coordinate (sx)	0	mm
Centre of mass coordinate (sy)	0	mm
Centre of mass coordinate (sz)	125	mm
Weight force (Fs)	150	N
acceleration (a)	20	m/s ²
Running distance	500	km
Rails length	350	mm

Result

Running characteristics	OK	
load	OK	
Wear	OK	
Wear y-direction	0,01	mm
Wear z-direction	0,25	mm
max. permitted long-term speed	0,64	m/s
required min. drive force	401	N
permitted storage temperature	90	°C
max. load y-direction	40	N
Safety factor y-direction	3,14	
max. load z-direction	164	N
Safety factor z-direction	1,52	
Clearance at centre of mass (new status)	0,3	mm
Clearance at centre of mass (end of operation)	1,1	mm

Warranty

The details in this program and particularly the data provided by the expert are based on our present knowledge about the products described. A legally binding assurance of certain properties or the suitability for a certain application cannot be derived. igus® assumes no liability for damage resulting from the application of the products.