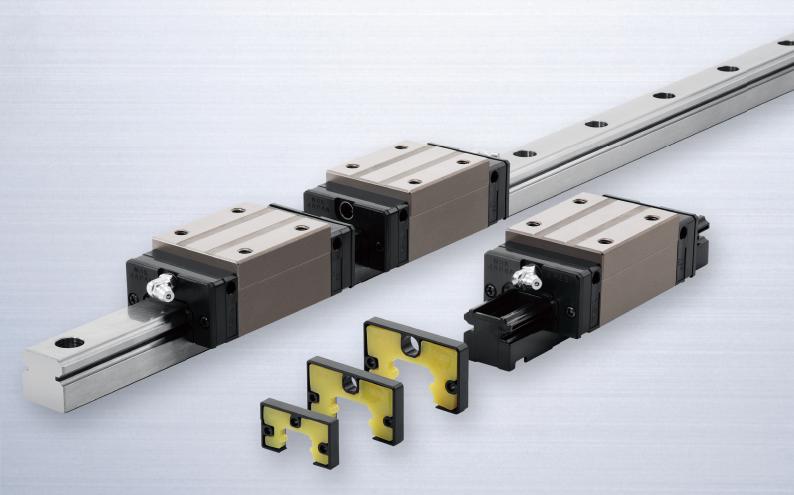


NSK Linear Guides NSK K1-L Lubrication Unit

New!

Extends maintenance interval by improving lubricating oil supply capacity



NSK K1-L Features

 Low Maintenance, Longer Lasting Lubricating Oil Supply Newly developed oil-containing material supplies lubricating oil for even longer than the revolutionary original K1, realizing extended machine maintenance intervals.

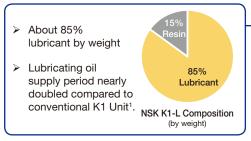
2. Lower Dynamic Friction Force

Reduces dynamic friction force when driving the ball slide, contributing to energy savings during machine operation.

NSK K1-L Lubrication Unit for NSK Linear Guides

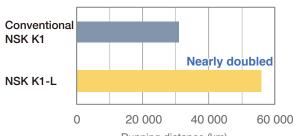
NSK K1-L is made of a porous synthetic resin containing abundant lubricating oil. The oil gradually seeps out, thereby lubricating the linear guide over a long period.

NSK K1-L Lubrication Unit



¹Compared with conventional NSK K1 unit. Lubrication performance is affected by operating environment. No warranty is given regarding lubrication performance in actual usage in machinery.

Durability Test Result



Running distance (km)

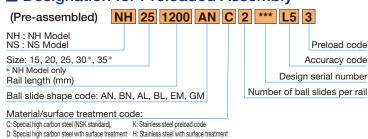
: NH25 (slight preload) Sample Lubrication : Lubrication unit only

Feed speed : 3.2 m/sec Stroke : 2.5 m

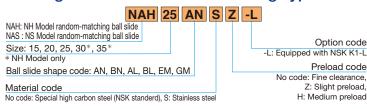
Applicable Models

NH15, NH20, NH25, NH30, NH35 NS15, NS20, NS25

■ Designation for Preloaded Assembly

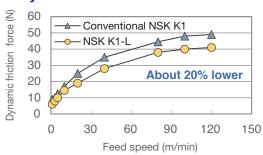


Designation for Random-Matching Type



Dynamic Friction Force Measurement Result

End seal



Sample : NH25 (slight preload)

Lubrication : Lubrication unit and AS2 grease

Feed Speed : 1 to 120 m/min

■ Handling Precautions

NΗ

NS

- 1. Permissible operating temperature: 50°C maximum (80°C can be tolerated for brief periods)
- 2. Chemicals that should not contact NSK K1-L: Do not leave NSK K1-L in organic solvents, such as hexane or other thinners that remove oil, or in anti-corrosion agents containing kerosene.

Accuracy Code

	Preload assembly				Random-matching		
	Ultra precision	Super precision		Precision grade	Nomal grade	High grade	Normal grade
Without NSK K1-L	P3	P4	P5	P6	PN	PH	PC
NSK K1-L	L3	14	L5	1.6	LN	LH	LC

Preload Code

Pre	loaded Assen	nbly	Random-matching			
Fine clearance Z0	Slight preload Z1	Medium preload Z3	Fine clearance ZT	Slight preload ZZ	Medium preload ZH	
0	1	3	T	Z	Н	

	Thickness of Single K1-L Unit ² (mm)									
ze	15	20	25	30	35					
	5.3	5.3	5.8	6.0	6.5					
	4.8	5.3	5.3	-	-					

Has the same dimensions as NSK K1. However, when using multiple K1-L units, the slider length will be longer than with multiple K1 units due to the shape of the case

For more information about NSK products, please contact:-

www.nsk.com

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