

NSK Linear Guides™ Roller Guide Equipped with V1 Seal



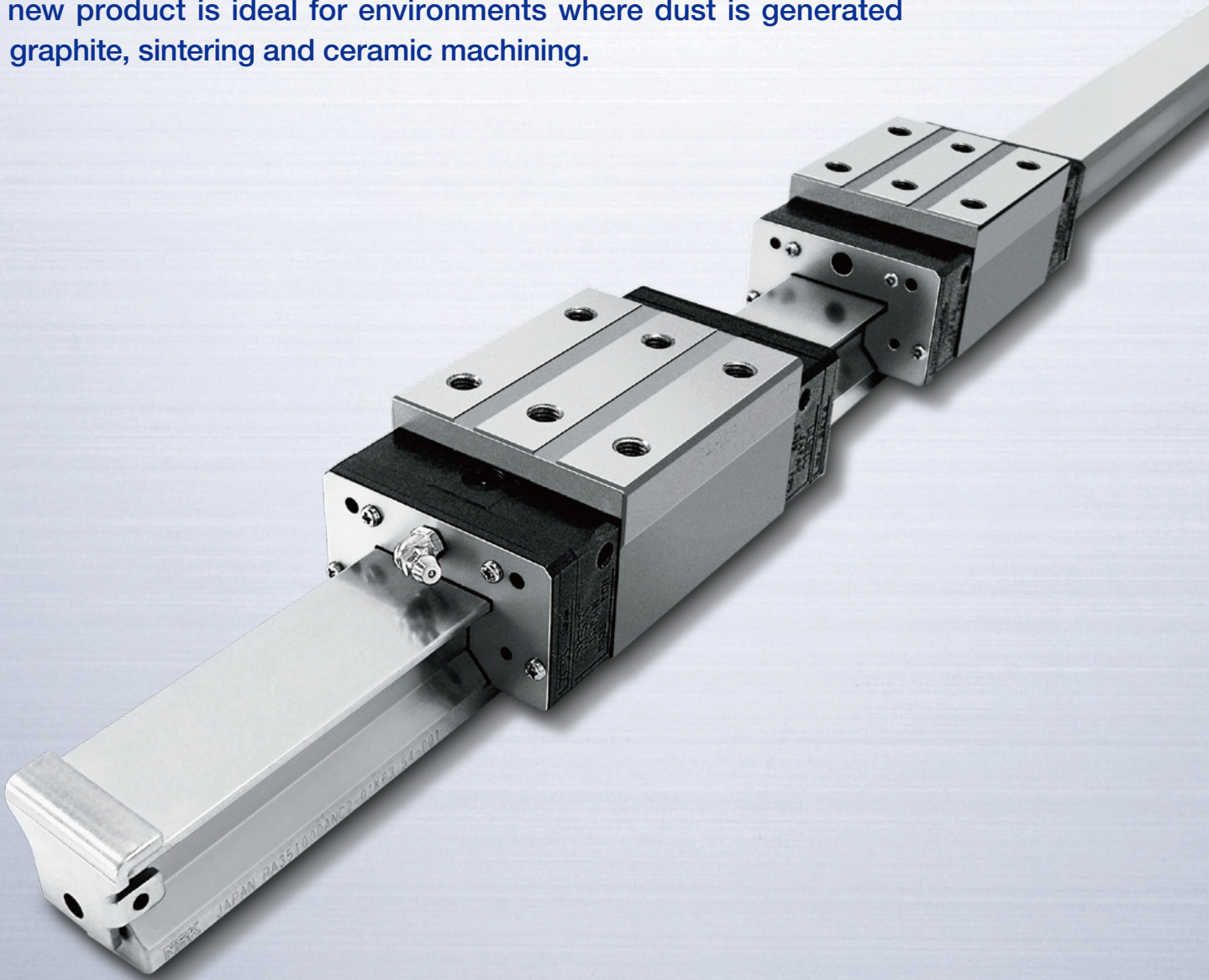
New!



Patent Pending

Newly developed, highly dustproof V1 seals help extend the service life under an environment with a high level of foreign matter.

This new product is ideal for environments where dust is generated from graphite, sintering and ceramic machining.



■ Features

1. V1 Seal

Equipped with V1 seals (highly dustproof end seals) made with new materials and in a new shape, for better abrasion resistance. Less foreign matter gets into the roller slides for a longer service life. Additional sheets of V1 seals may be used depending on the condition and use environment.

2. Enhanced dustproof performance achieved by the rail cover

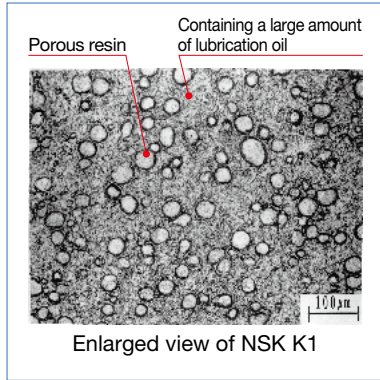
By covering the mounting bolt holes, the rail cover prevents foreign matter from building up around the mounting bolt holes and getting into the roller slide.

3. “NSK K1™” Lubrication Unit

Outstanding lubrication effects by NSK K1 further improves the durability. Additional sheets of NSK K1 may be used depending on the condition and use environment.

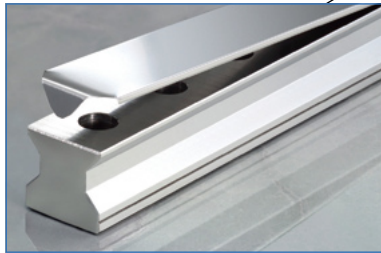
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NSK K1™ Lubrication unit



Made of porous synthetic resin containing a large amount of lubrication oil. When moved through contact with the raceway surface, it supplies fresh lubricating oil.

Rail cover



Covers the top surface of the rail and prevents foreign matter from entering in rail mounting bolt holes.

Durability test under extreme conditions - no lubrication

With this new material, even if lubrication is poor, damage such as roughening of surfaces will not occur.

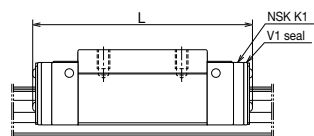
<Test condition>

- Test sample: RA35
- Operation without lubrication on the seal
- Feed speed: 30 m/min

Applicable models

RA35, RA45 and RA55

Dimensions for roller slide with V1 seals

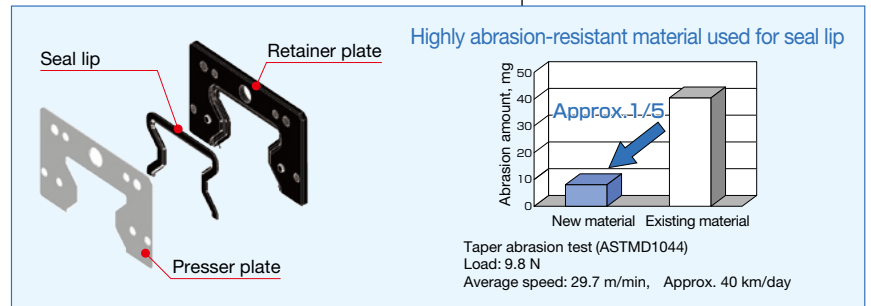


Unit: mm

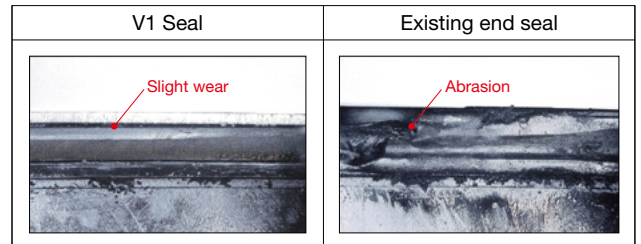
Model		Roller slide length L			Thickness of V1 seal	Thickness of NSK K1
		Equipped with standard seal	Equipped with V1 seal	Equipped with V1 seal and NSK K1		
RA35	AN, AL, EM	123.8	127.8	140.8	3.4	6.5
	BN, BL, GM	152	156	169		
RA45	AN, AL, EM	154	159.2	173.2	4	7
	BN, BL, GM	190	195.2	209.2		
RA55	AN, AL, EM	184	189.2	203.2	4	7
	BN, BL, GM	234	239.2	253.2		

For more information about NSK products, please contact: www.nsk.com

V1 Seal



V1 Seal made of new materials and in a new shape for better abrasion resistance prevents foreign matter getting into the roller slide for a long period.



NSK used environmentally friendly paper and printing methods for this publication.