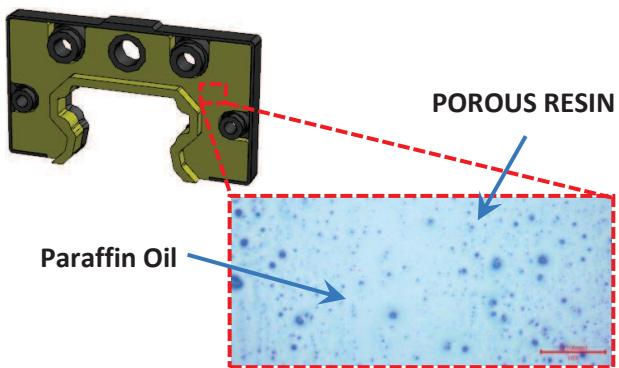
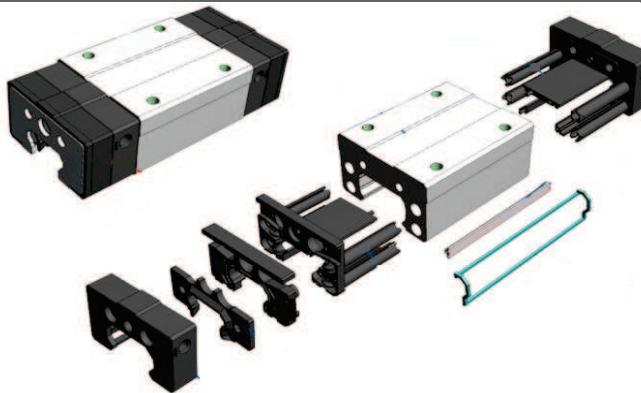


# RBX

## LUBRICATION SEAL



### Features of LF-SEAL

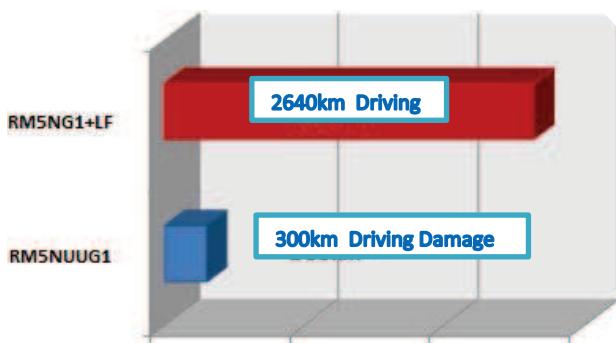
Lubrication of porous resin containing lubricant improves economic efficiency by extending the grease interval

- Always supply new lubricant to the raceway
- **Prevent** foreign substances by minimizing clearance with raceway

### RM5N+LF : High speed durability test

- No harmful detect even after running 300 million cycle test.

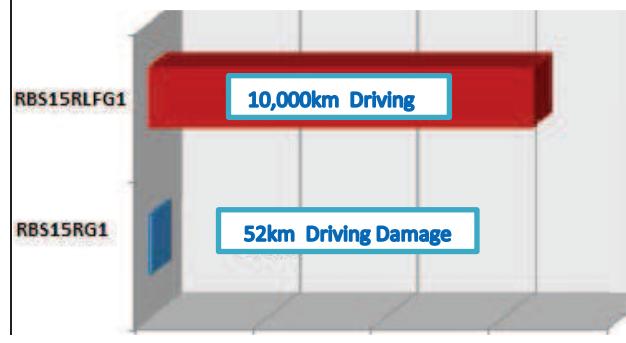
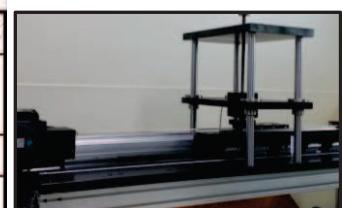
Test Condition	
Products	RM5N+LF
Stroke	8 mm
RPM	116[min⁻¹]
Maximum Accelerati	12.0G
Grease Usage	None



### RBS15R+LF : Lubricating performance test

- No harmful detect even when running 192 times more than the basic type (without LF seal)

Test Condition	
Products	RBS15RLFG1
Pre-load	0.06C(G1)
Stroke	360mm
Test Speed	1 m/s
Grease Usage	None





## LUBRICATION SEAL

### Ordering (LF-SEAL)

Model No.	5	7	9	12	15	20	25	30	35	45	55
RBH	-	-	-	-	○	○	○	○	○	○	-
RBS	-	-	-	-	○	○	○	-	-	-	-
RM	○	○	○	○	○	○	-	-	-	-	-
RMB	○	○	○	○	○	-	-	-	-	-	-
RMBT	-	-	-	○	○	-	-	-	-	-	-

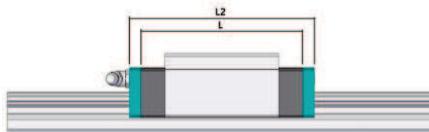
### Composition

RBH25 S FL SS LF 2 G1 - 1000L 20/40 P A T F - 2

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭

- ① Model No. of Linear Motion Guide
- ② Type of block : No Symbol - Full ball type/ S - Spacer retainer type
- ③ Form of block: R - Rectangular standard type/ RL - Rectangular long type/ F - Flange type
- ④ Type of seal: UU-End seal / SS-End seal +Inside seal / ZZ-End seal +Inside seal + metal scraper
- ⑤ **LF-SEAL**
- ⑥ Number of blocks combined in 1 rail
- ⑦ Symbol of Clearance: No symbol-Normal preload/ G1-Light preload/ G2-Heavy preload/ G3-Special preload
- ⑧ Length of rail
- ⑨ Size of G value: standard G value has no symbol
- ⑩ Symbol of precision: No symbol-Moderate precision/ H-High
- ⑪ No symbol-Rail counter bore type(A topside assembly)/ A-Rail tap hole type(an underside assembly)
- ⑫ Connection symbol
- ⑬ Special symbol F-Raydent
- ⑭ Number of axis used on the same surface

## Applied table with LF-SEAL

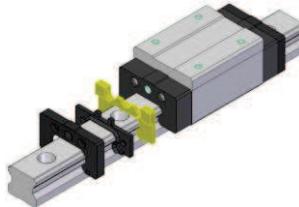


RBH15-45 applied table with LF seal ( RBH15-45 table )

Model No.	Long Type	before LF seal	after LF seal	Unit : mm
RBH15	-	57.0	69.0	
-	RBH15'L	65.3	77.3	
RBH20	-	72.7	84.7	
-	RBH20'L	88.6	100.6	
RBH25	-	83.0	95.0	
-	RBH25'L	102.9	114.9	
RBH30	-	97.8	111.8	
-	RBH30'L	120.0	134.0	
RBH35	-	110.0	124.0	
-	RBH35'L	135.4	149.4	
RBH45	-	139.0	154.0	
-	RBH45'L	170.8	185.8	

RBS15-25 applied table with LF seal

Model No.	before LF seal	after LF seal	Unit : mm
Short Type	Standard Type	L	L2
RBS15C*	-	40.2	52.2
-	RBS15*	56.9	68.9
RBS20C*	-	47.2	59.2
-	RBS20*	66.3	78.3
RBS25C*	-	59.1	71.1
-	RBS25*	83.0	95.0



RM5-20 Applied table with LF seal ( RM5-20 )

Model No.	before LF seal	after LF seal	Unit : mm
Short Type	Standard Type	L	L2
RM5C	-	17.0	21.4
-	RM5N	20.0	24.4
RM7C	-	19.8	24.8
-	RM7N	24.3	29.3
-	-	31.8	36.8
RM9C	-	22.4	27.4
-	RM9N	31.3	36.3
-	-	41.4	46.4
RM12C	-	26.4	32.4
-	RM12N	34.9	40.9
RM15C	-	45.4	51.4
-	RM15N	34.4	41.4
-	-	44.4	51.4
RM15L	-	59.4	66.4
RM20C	-	39.8	46.8
-	RM20N	51.8	58.8
-	-	RM20L	69.8

## \* LF-SEAL General Precautions

1. Use within the maximum operating temperature of 40 °C
2. Avoid contact with organic solvents, such as thinner or milky white oil
3. During the initial use of the LF-SEAL, the rolling resistance may increase
4. LF-SEAL ( 2 EA ) should use both sides of each block

RMB5-RMB15 applied table with LF seal ( RMB5-RMB15 )

Model No.	before LF seal	after LF seal	Unit : mm
Short Type	Standard Type	L	L2
RMB5C	-	-	21.0 25.4
-	RMB5N	-	25.0 29.4
RMB7C	-	-	24.0 29.0
-	RMB7N	-	33.0 38.0
-	-	RMB7L	43.5 48.5
RMB9C	-	-	28.1 33.1
-	RMB9N	-	40.2 45.2
-	-	RMB9L	52.0 57.0
RMB12C	-	-	31.1 37.1
-	RMB12N	-	44.5 50.5
-	-	RMB12L	59.7 65.7
RMB15C	-	-	42.8 49.8
-	RMB15N	-	56.6 63.6
-	-	RMB15L	75.8 82.8