

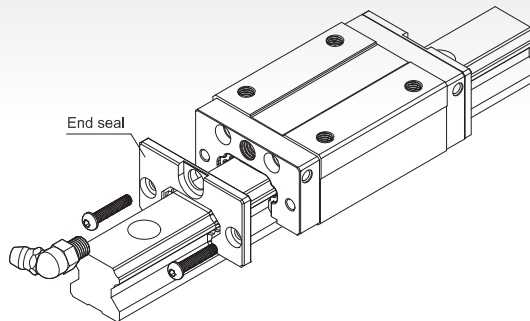
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## HD-Enhanced Dust-proof

### Construction

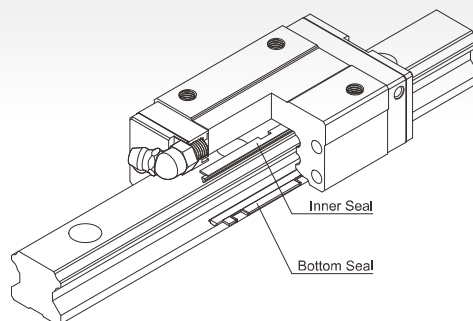
According to the environmental and operational conditions, *PMI* provide enhanced contamination protection could be supplied as requirement by customer's choice, the excellent of enhanced contamination protection to prevent dust enter the carriage.

#### high dust end seal



offer special design bidirectional end seal

#### high dust inner and bottom seal



Prevent the foreign matters enter the carriage from the bolt hole.

### Features

- Inner seal attached, having better seal effect than normal dust-proof attachment.
- Bidirectional end seal design strengthens the contact of rails with dust-proof end seal and high dust-proof inner & bottom seal.
- The size and length of enhanced dust-proof is the same as normal ones. And also have double effect of dust-proof.

### Application

- Applicable to carpentry industry.

### Test Conditions

#### Specification:MSA25SHD

Running Length	500mm (per cycle)
Test Distance	150Km
Feed Rate	1.7m/min
Particle Amount	Spray continuously

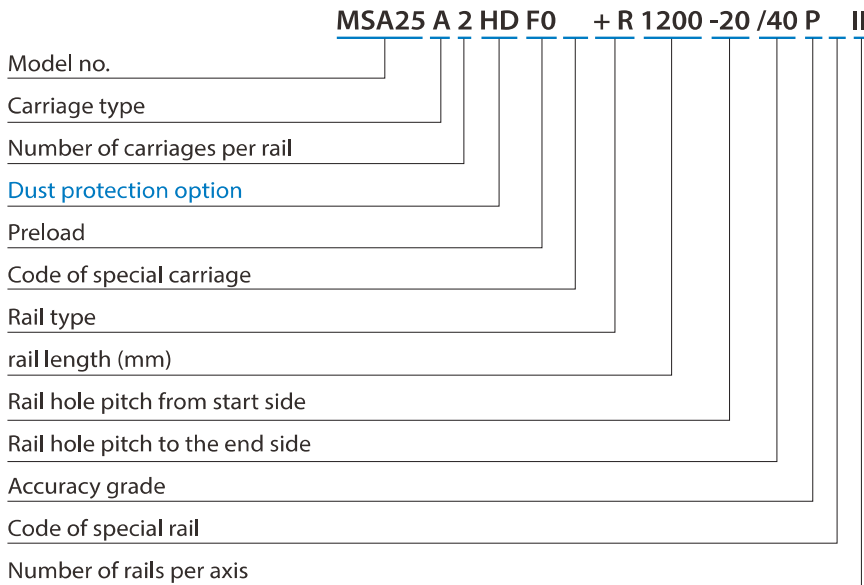
### Result



After running 150 KM in a wood flour test environment, the carriage is still moving smoothly and the steel balls are also glossy. The end seal and inner seal protect against wood flour from entering the carriage. Overall running smoothness is not effected.

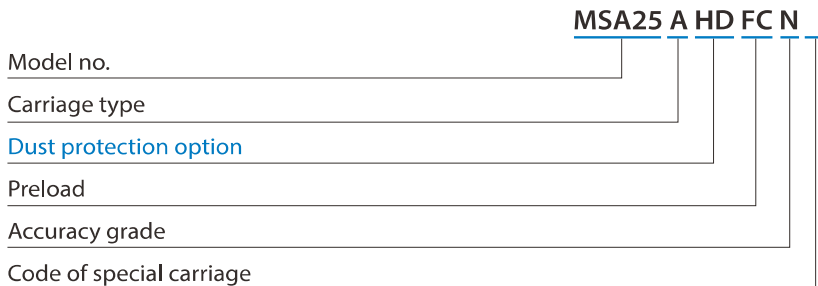
**Description of Specification**

- Non-Interchangeable Type



**Note:** Rail Model-MSA15, MSA20, MSA25, MSA30, MSA35, MSB15, MSB20(A type, E type, S type)

- Interchangeable Type Carriage



**Note:** Rail Model- MSA15, MSA20, MSA25, MSA30, MSA35, MSB15, MSB20(A type, E type, S type)

Each Series of linear guideway with different dust-proof accessories, comparing with standard dust-proof accessories, the overall length of carriage is different, as below table shown:

#### MSA Series

Unit: mm

Model No.	No symbol	UU	SS	LL	RR	ZZ	DD	KK	HD
15	1	-	-	-	-	6	5	11	3
20	1.4	-	-	-	-	7	5.6	12.6	0.4
25	1.4	-	-	-	-	7	5.6	12.6	0.4
30	1.4	-	-	-	-	7	5.6	12.6	0.4
35	0.6	-	-	-	-	7.8	7.2	15	-
45	0.6	-	-	-	-	7.8	7.2	15	-
55	-	-	-	-	-	7.8	7.8	15.6	-
65	-	-	-	-	-	7.8	7.8	15.6	-

#### MSB Series

Unit: mm

Model No.	No symbol	UU	SS	LL	RR	ZZ	DD	KK	HD
15	-	-	-	-	-	5	5	10	1
20	1	-	-	-	-	7	6	13	-
25	1	-	-	-	-	7	6	13	-
30	1	-	-	-	-	7	6	13	-
35	0.6	-	-	-	-	7.8	7.2	15	-
45	0.6	-	-	-	-	7.8	7.2	15	-

**MSG Series**

Unit: mm

Model No.	no symbol	UU	SS	ZZ	DD	KK
17	-	-	-	6	6	12
21	-	-	-	6	6	12
27	1	-	-	7	6	13
35	1.8	-	-	7.8	6	13.8

**MSR, SMR Series**

Unit: mm

Model No.	no symbol	UU	SS	ZZ	DD	KK
MSR 20	-	-	-	6	6	12
MSR 25	SMR 25	-	-	6	6	12
MSR 30	SMR 30	1	-	7	6	13
MSR 35	SMR 35	1	-	7	6	13
MSR 45	SMR 45	0.6	-	7	6.4	13.4
MSR 55	SMR 55	0.6	-	7.8	7.2	15
MSR 65	SMR 65	-0.2	-	7.8	8	15.8

**SME Series**

Unit: mm

Model No.	no symbol	UU	SS	ZZ	DD	KK
15	1.6	-	-	7	5.4	12.4
20	1	-	-	7	6	13
25	1	-	-	7	6	13
30	1	-	-	7	6	13
35	1	-	-	7.8	6.8	14.6
45	0.6	-	-	7.8	7.2	15