

# Linear Guideways

## SE Type

### 2-10 SE Type - Metallic End Cap Linear Guideway

#### 2-10-1 General Information

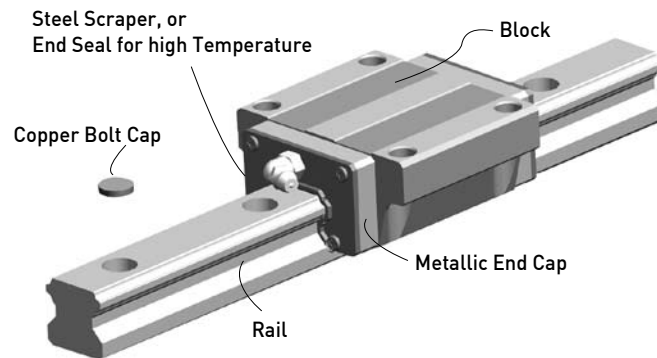
##### (1) Features

- Use of Metallic parts; (if end seal is needed, the high-temperature rubber in end seal is available).
- Excellent temperature resistance; service temperature under 150 °C.

##### (2) Applications

- Heat treatment equipment,
- Applications using vacuums (no vapor dispersion from plastic or rubber)
- Welding equipment.

#### 2-10-2 Structure



#### 2-10-3 Specification

##### (1) Add "/ SE" after the specification of linear guideway

Ex. HGW25CA2R1000Z0PII + ZZ / SE

#### 2-10-4 Dimensions of Copper Bolt Cap

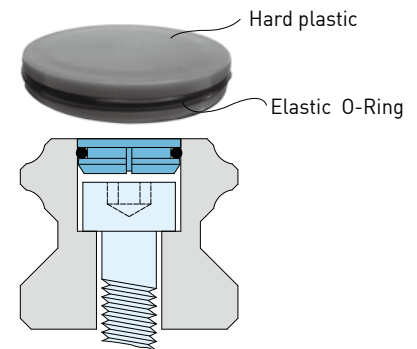
Table 2-10

Item	Bolt Size	Cap Diameter (mm)	Cap Thickness (mm)
C3	M3	6.15	1.2
C4	M4	7.65	1.2
C5	M5	9.65	2.5
C6	M6	11.15	2.8
C8	M8	14.15	3.5
C12	M12	20.15	4
C14	M14	23.15	4
C16	M16	26.15	4

## 2-11 RC Type - Reinforced Cap

The RC Reinforced Cap consists of a piece of hard plastic and a piece of an elastic O-ring.

The hard plastic is made of synthetic resin which is characterized by oil resistance and abrasion resistance; the O-ring is made of rubber which is characterized by oil resistance and elasticity. The structure is shown on the illustration to the right.



### 2-11-1 Features of the Reinforced Cap

#### (1) Absorb the machining error

The elastic O-ring can eliminate some of the machining error caused during the creation of the mounting holes by maintaining the tight fit between the cap and the mounting hole.

#### (2) Vibration and shock resistance

The elastic O-ring can prevent the cap from loosening by absorbing the vibrations caused by external forces acting on the guideways.

#### (3) High performance dust protection

The Reinforced Cap is designed with an elastic O-ring to contact the mounting hole perfectly by eliminating the clearance between the cap and the mounting hole resulting in excellent dust protection.

#### (4) Service life prolongation

The service life of the guideway increases due to the smoothness of the rail surface after installation of the Reinforced Cap preventing any damage to the end seals during operation.

### 2-11-2 Specification

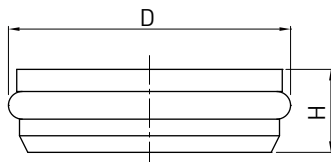
#### (1) Non-interchangeable type - Add "/RC" after the specification of the linear guideway

Ex. HGW25CC2R1600ZAPII+ZZ/RC

#### (2) Interchangeable type -Add "+RC" after the specification of the linear guideway

EX. HGR25R1600P +RC

### 2-11-3 Dimensions of Reinforced Cap



Model Number	Bolt Size	Diameter (mm)		Rail size			
		D	H	HGR	EGR	MGNR	RGR
RC3	M3	6.15	1.3		15	12, 15	
RC4	M4	7.65	1.1	15	15U		15
RC5	M5	9.8	3	20	20		20
RC6	M6	11.4	2.8	25	25, 30		25
RC8	M8	14.6	3.5	30, 35	35, 30U		30, 35
RC12	M12	20.5	4	45			45
RC14	M14	23.5	5	55			55
RC16	M16	26.6	5	65			65