

○ The lubricant amount for a block filled with grease

Table 2-8-13 The lubricant Amount for a Block Filled with Grease

Size	Heavy load (cm ³)	Super Heavy load (cm ³)	Size	Heavy load (cm ³)	Super Heavy load (cm ³)
CG15	1	-	CG30	3.5	5
CG20	2	3	CG35	7	9
CG25	2.5	4	CG45	8.5	-

Note : If other size is needed, please contact HIWIN.

○ Frequency of replenishment

Table 2-8-14 Frequency of replenishment for one block

Recommended lubrication interval [km]					
Size	P/C < 0,1	0,1 < P/C < 0,3	Size	P/C < 0,1	0,1 < P/C < 0,3
CG15	3000	(C/P)*100	CG30	3000	(C/P)*100
CG20	3000	(C/P)*100	CG35	3000	(C/P)*100
CG25	3000	(C/P)*100	CG45	3000	(C/P)*100

C : Dynamic rating P : Loading

(2) Oil

The recommended viscosity of oil is about 30~150cSt. If customers need to use oil-type lubrication, please inform us.

○ Types of oil piping joint

LF-63

NO.97002PA1

CG15
CG20

LF-76

NO.97002A1

CG25
CG30
CG35
CG45

LF-86

NO.970004A1

CG25
CG30
CG35
CG45

SF-63

NO.97002QA2

CG15
CG20

SF-76

NO.970001A1

CG25
CG30
CG35
CG45

SF-86

NO.970003A1

CG25
CG30
CG35
CG45

○ Oil refilling rate

Table 2-8-15

Size	Refilling rate (cm ³ /hr)	Size	Refilling rate (cm ³ /hr)
CG 15	0.2	CG 30	0.3
CG 20	0.2	CG 35	0.3
CG 25	0.3	CG 45	0.4

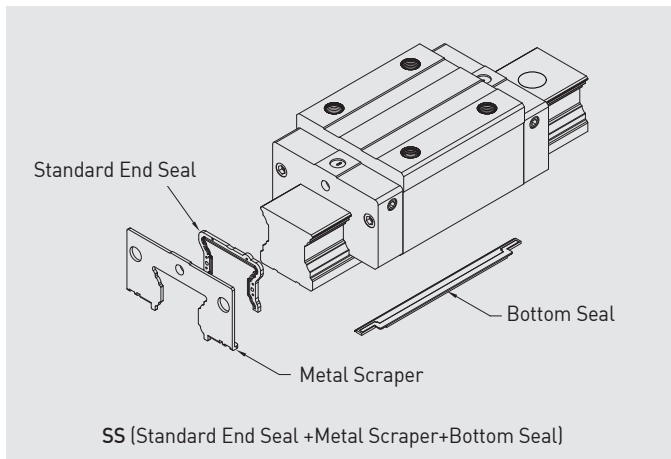
CG Series

Superior Rolling Moment with Cover Strip

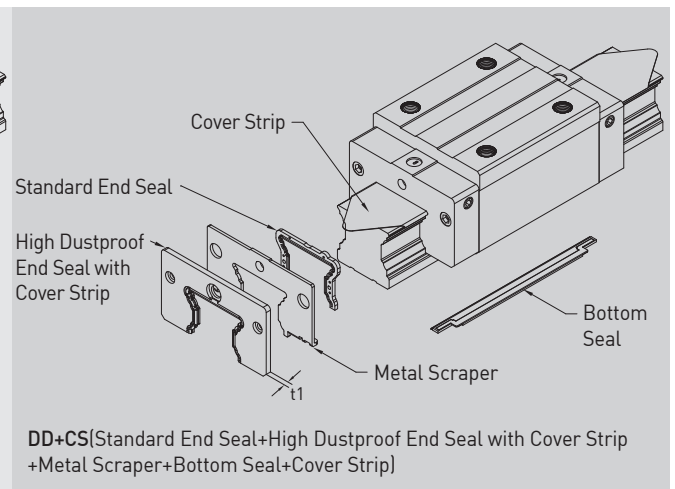
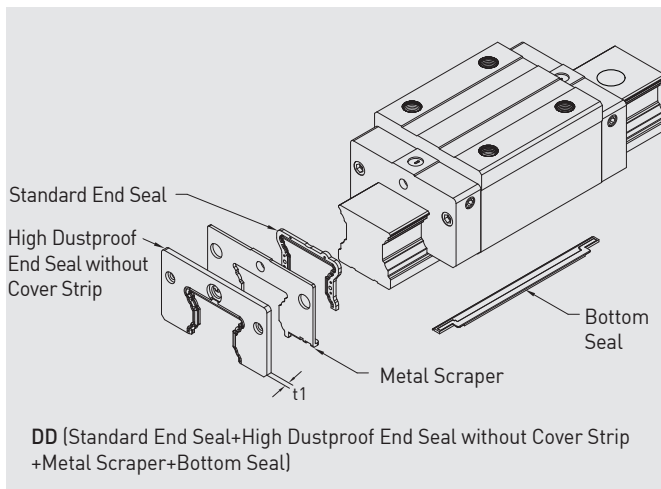
2-8-8 Dust Proof Accessories

(1) Codes of standard dust proof accessories

If the following accessories are needed, please add the code followed by the model number.



(2) Codes of high-dust proof accessories



(3) Function of dust proof accessories

End seal and bottom seal

To prevent life reduction caused by iron chips or dust entering the block.

Double seals

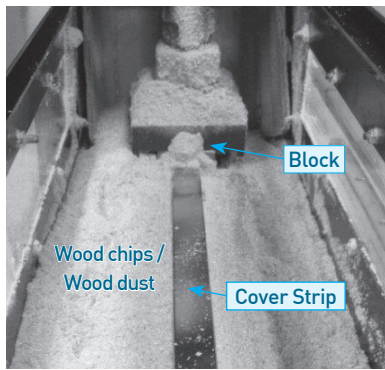
Enhances the wiping effect, foreign matter can be completely wiped off.

Table 2-8-16 Dimensions of end seal

Size	Thickness (t1) (mm)	Size	Thickness (t1) (mm)
CG15	2.8	CG30	2.8
CG20	2.8	CG35	2.8
CG25	2.5	CG45	2.7

○ Cover Strip

The cover strip offers better dust proof protection than rail bolt caps and is easier to install. The strip is held in place by a plastic retainer at each end. For high temperature environments a metal retainer is available.



Spec.	CGH25CA1R700Z0C+DD/CS	Test result  No dust get into ball tracks
Max.velocity/acceleration	1m/s,1G	
Loading	Fixture weight	
Distance	1500km	
Dust type	Wood chips / Wood dust	
Diameter	100~500µm	

○ Bolt caps for rail mounting holes

Caps are used to cover the mounting holes to prevent chips or other foreign objects from collecting in the holes. The caps will be enclosed in each rail package.

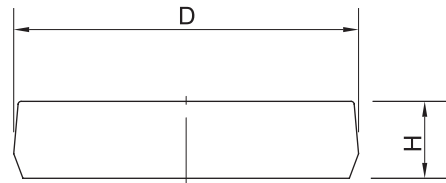


Table 2-8-17 Dimensions of Bolt Caps for Rail Mounting Holes

Rail size	Bolt size	Diameter(D) (mm)	Thickness(H) (mm)	Rail size	Bolt size	Diameter(D) (mm)	Thickness(H) (mm)
CGR15	M4	7.65	1.1	CGR30	M8	14.20	3.5
CGR20	M5	9.65	2.5	CGR35	M8	14.20	3.5
CGR25	M6	11.15	2.5	CGR45	M12	20.25	4.5

(4) Dimensions of block equipped with the parts

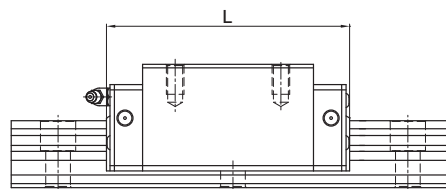


Table 2-8-18 Overall block length

unit: mm

Size	Overall block length (L)			Size	Overall block length (L)		
	SS	DD	DD+CS		SS	DD	DD+CS
CG15C	58.2	63.8	63.8	-	-	-	-
CG20C	74.9	80.5	80.5	CG20H	90.9	96.5	96.5
CG25C	84	89	89	CG25H	101.4	106.4	106.4
CG30C	97.4	103.8	103	CG30H	119.9	126.3	125.5
CG35C	111.4	117.8	117	CG35H	135.8	142.2	141.4
CG45C	137.6	145.6	145.6	CG45H	174	182	182