

C-Lube Linear Way MH Linear Way H

MH • LWH



C-Lube Linear Way MH

MH



The aquamarine end plate is the symbol of maintenance free.

Track rail

Slide unit

Casing

C-Lube

Ball

End plate

Under seal

Ball retaining band

End seal

Grease nipple

Linear Way H

LWH

Points

- High rigidity series with the largest-class load rating among ball types

High rigidity linear motion rolling guides designed to evenly support high load capacity by incorporating large-diameter balls.

- Wide range of variations for your needs For details P.I-26

As the lineup of 5 types of slide unit shape including the flange type, block type with small width and side mounting type, etc., and 3 types with different slide unit length with same section are available, you can select an optimal product for the specifications of your machine and device.

- Stainless steels selections superior in corrosion resistance are listed on lineup. For details P.I-43

Products made of stainless steel are highly resistant to corrosion, so that they are suitable for applications where rust prevention oil is not preferred, such as in cleanroom environment.

- Series of ultra seal specification for excellent dust protection performance

Products of ultra seal specifications have excellent dust protection performance thanks to the combination of the dedicated track rail finished with total ground and slide unit with end seal and under seal of special shapes. Special specification with inner seal further improves dust protection property of the ball circulation section against foreign substances from the upper surface of the track rail.

Identification Number and Specification

Example of an identification number

The specifications of MH and LWH series are indicated by the identification number. Indicate the identification number, consisting of a model code, dimensions, a part code, a dust protection code, a material code, a preload symbol, a classification symbol, an interchangeable code, and any supplemental codes for each specification to apply.

Non-interchangeable specification										
1	2	3	4	5	6	7	8	9	10	11
Assembled set	MHT	G	20	C1	R840			T ₁	P	/FV
Interchangeable specification										
Single slide unit	MHT	G	20	C1				T ₁	P	S1 /V
Single track rail (1)	LWH		20		R840	B			P	S1 /F
Assembled set	MHT	G	20	C1	R840			T ₁	P	S1 /FV
1 Model	Model code Page II—91 Page II—92									
2 Length of slide unit										
3 Size	Dimensions Page II—92									
4 Number of slide units	Part code Page II—92 Page II—93									
5 Length of track rail										
6 Dust protection specification	Dust protection code Page II—94									
7 Material type	Material code Page II—96									
8 Preload amount	Preload symbol Page II—96									
9 Accuracy class	Classification symbol Page II—97									
10 Interchangeable	Interchangeable code Page II—98									
11 Special specification	Supplemental code Page II—99									

Note (1) Indicate "LWH...B" or "LWH" for the model code of the single track rail regardless of the series and the combination of slide unit models.

Identification Number and Specification — Model —

1	Model	C-Lube Linear Way MH (MH series)	Flange type mounting from bottom	: MH
		Flange type mounting from top ⁽²⁾	: MHT	
		Block type mounting from top	: MHD	
		Compact block type mounting from top	: MHS	
	Linear Way H ⁽¹⁾ (LWH series)	Flange type mounting from bottom	: LWH (…B)	
		Flange type mounting from top ⁽²⁾	: LWHT (…B)	
		Block type mounting from top	: LWHD (…B)	
		Compact block type mounting from top	: LWHS (…B)	
		Side mounting type	: LWHY	
	For applicable models and sizes, see Table 1.1 and Table 1.2.			
Indicate "LWH…B" or "LWH" for the model code of the single track rail regardless of the series and the combination of slide unit models.				
Notes ⁽¹⁾ This model has no built-in C-Lube.				
⁽²⁾ Some models may be mounted upward.				

Table 1.1 Models and sizes of MH and LWH series

Material	Shape	Length of slide unit	Model	Size										
				8	10	12	15	20	25	30	35	45	55	65
High carbon steel made	Flange type mounting from bottom	Standard	MH	—	—	—	○	○	○	○	○	—	—	—
			LWH…B	—	—	—	○	○	○	○	○	—	—	—
		Long	MH…M (U)	—	—	—	—	—	○	○	—	—	—	—
			LWH…M (U)	—	—	—	○	○	○	○	○	—	—	—
	Flange type mounting from top	Standard	MHG	—	—	—	—	○	○	○	○	—	—	—
			LWHG	—	—	—	—	○	○	○	○	—	—	—
		Long	MHT	—	—	○ ⁽¹⁾	○	○	○	○	○	—	—	—
			LWHT…B	—	—	○ ⁽¹⁾⁽²⁾	○	○	○	○	○	—	—	—
	Block type mounting from top	Standard	MHT…M (U)	—	—	—	—	—	○	○	—	—	—	—
			LWHT…M (U)	—	—	—	○	○	○	○	○	—	—	—
		Long	MHTG	—	—	—	○ ⁽¹⁾	○	○	○	○	—	—	—
			LWHTG	—	—	—	—	○	○	○	○	—	—	—
	Compact block type mounting from top	Standard	MHD	—	—	○	○	—	○	○	○	—	—	—
			LWHD…B	—	—	○ ⁽²⁾	○	—	○	○	○	—	—	—
		Long	MHD…M (U)	—	—	—	—	—	○	○	—	—	—	—
			LWHD…M (U)	—	—	—	○	—	○	○	○	—	—	—
Stainless steel made	Block type mounting from top	Standard	MHDG	—	—	—	—	—	○	○	○	—	—	—
			LWHDG	—	—	—	—	—	○	○	○	—	—	—
		Long	MHDC…SL	○	○	○	—	—	—	—	—	—	—	—
			LWDC…SL	○	○	○	—	—	—	—	—	—	—	—
	Compact block type mounting from top	Standard	MHD…SL	○	○	○	—	—	—	—	—	—	—	—
			LWHD…SL	○	○	○	—	—	—	—	—	—	—	—
		Long	MHDG…SL	○	○	○	—	—	—	—	—	—	—	—
			LWHDG…SL	○	○	○	—	—	—	—	—	—	—	—
	Side mounting type	Standard	MHS…SL	—	—	—	○	○	○	○	—	—	—	—
			LWHS…SL	—	—	—	○	○	○	○	—	—	—	—

Notes ⁽¹⁾ This may be mounted upward.
⁽²⁾ "…B" is not included in the model code.
Remark: For the models indicated in , the interchangeable specification is available.

— Length of Slide Unit · Size · Number of Slide Unit —

2	Length of slide unit	Short	: C	For applicable models and sizes, see Table 1.1 and Table 1.2.
		Standard	: No symbol	
		Long	: G	
3	Size	8, 10, 12, 15, 20, 25, 30,		For applicable models and sizes, see Table 1.1 and Table 1.2.
		35, 45, 55, 65		
4	Number of slide units		: C○	For an assembled set, indicates the number of slide units assembled on a track rail. For a single slide unit, only "C1" is specified.

Table 1.2 Models and sizes of MH and LWH series

Material	Shape	Slide unit Length	Model	Size										
				8	10	12	15	20	25	30	35	45	55	65
Stainless steel made	Flange type mounting from bottom	Standard	LWH…SL	—	—	—	○	○	○	○	—	—	—	—
			MHT…SL	○ ⁽¹⁾	○ ⁽¹⁾	○ ⁽¹⁾	○	○	○	○	—	—	—	—
	Flange type mounting from top	Standard	LWHT…SL	○ ⁽¹⁾	○ ⁽¹⁾	○ ⁽¹⁾	○	○	○	○	—	—	—	—
			MHDC…SL	○	○	○	—	—	—	—	—	—	—	—
	Block type mounting from top	Standard	LWDC…SL	○	○	○	—	—	—	—	—	—	—	—
			MHD…SL	○	○	○	—	—	—	—	—	—	—	—
		Long	LWHD…SL	○	○	○	—	—	—	—	—	—	—	—
			MHDG…SL	○	○	○	—	—	—	—	—	—	—	—
	Compact block type mounting from top	Standard	LWHDG…SL	○	○	○	—	—	—	—	—	—	—	—
			MHS…SL	—	—	—	○	○	○	○	—	—	—	—

Note ⁽¹⁾ This may be mounted upward.
Remark: For the models indicated in , the interchangeable specification is available.

MH · LWH

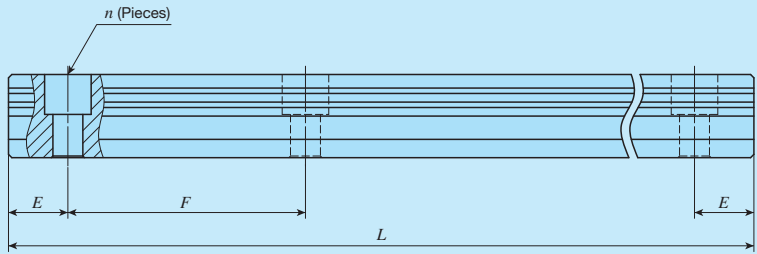
5

Length of track rail

: RO

Indicate the length of track rail in mm.
For standard and maximum length, see Table 2.1 and Table 2.2.

Table 2.1 Standard and maximum length of high carbon steel track rail



Item	Identification number	MH 12 LWH12	MH 15 LWH15...B	MH 20 LWH20...B	MH 25 LWH25...B	MH 30 LWH30...B
Standard length <i>L</i> (<i>n</i>)		80 (2) 160 (4) 240 (6) 320 (8) 400 (10) 480 (12) 560 (14) 640 (16) 720 (18)	180 (3) 240 (4) 360 (6) 480 (8) 660 (11) 900 (15) 1 200 (20)	240 (4) 480 (8) 660 (11) 840 (14) 1 020 (17) 1 200 (20) 1 500 (25)	240 (4) 480 (8) 660 (11) 840 (14) 1 020 (17) 1 200 (20) 1 500 (25) 1 980 (33)	480 (6) 640 (8) 800 (10) 1 040 (13) 1 200 (15) 1 520 (19) 2 000 (25)
	Pitch of mounting holes <i>F</i>	40	60	60	60	80
	<i>E</i>	20	30	30	30	40
	Standard <i>E</i> or higher dimensions ⁽¹⁾ below	5.5	7	8	9	10
	Maximum length ⁽²⁾	1 480	1 500 (3 000)	1 980 (3 000)	3 000 (3 960)	2 960 (4 000)
Item	Identification number	MH 35 LWH35...B	MH 45 LWH45...B	LWH55...B	LWH65...B	
Standard length <i>L</i> (<i>n</i>)		480 (6) 640 (8) 800 (10) 1 040 (13) 1 200 (15) 1 520 (19)	840 (8) 1 050 (10) 1 260 (12) 1 470 (14) 1 995 (19)	840 (7) 1 200 (10) 1 560 (13) 1 920 (16) 3 000 (25)	1 500 (10) 1 950 (13) 3 000 (20)	
	Pitch of mounting holes <i>F</i>	80	105	120	150	
	<i>E</i>	40	52.5	60	75	
	Standard <i>E</i> or higher dimensions ⁽¹⁾ below	10	12.5	15	17	
	Maximum length ⁽²⁾	2 960 (4 000)	2 940 (3 990)	3 000 (3 960)	3 000 (3 900)	

Notes ⁽¹⁾ This does not apply to female threads for bellows (supplemental code "/J").
⁽²⁾ Length up to the value in () can be produced. If needed, please contact IKO.

Remarks 1. A typical identification number is indicated, but is applied to all models of the same size.
2. Indicate "LWH" for series of size 12 or "LWH...B" for series of size 15 or above for the model code of the single track rail regardless of the series and the combination of slide unit models.
3. For ultra seal specification, refer to Table 2.3 and Table 2.4.
4. If not directed, *E* dimensions for both ends will be the same within the range of standard *E* dimensions. To change the dimensions, indicate the specified rail mounting hole positions "/E" of special specification. For more information, see page III -30.

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Dust protection specification

Standard specification

: No symbol

For applicable models and sizes, see Table 1.1 and Table 1.2.

Ultra seal specification

: M

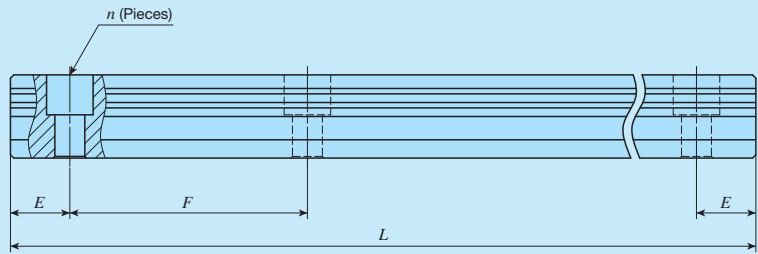
Each specification of ultra seal specification with track rail mounting from bottom is in compliance to the ultra seal specification.

Ultra seal specification with track rail mounting from bottom

: MU

Ultra seal specification with track rail mounting from bottom applies to products to fix the track rail on the mounting surface side by pressing in the aluminum alloy caps for rail mounting holes to the mounting hole of the track rail in advance. As the upper surface of the track rail is flat, adhesion to the seal is high and dust protection effect is improved further.
For track rail specifications, see Table 2.3 and Table 2.4.

Table 2.2 Standard and maximum length of stainless steel track rail



Item	Identification number	MH 8...SL LWH8...SL	MH 10...SL LWH10...SL	MH 12...SL LWH12...SL	MH 15...SL LWH15...SL	MH 20...SL LWH20...SL	MH 25...SL LWH25...SL	MH 30...SL LWH30...SL
Standard length <i>L</i> (<i>n</i>)		40 (2) 80 (4) 120 (6) 160 (8) 200 (10) 240 (12) 280 (14)	50 (2) 100 (4) 150 (6) 200 (8) 250 (10) 300 (12) 350 (14) 400 (16) 450 (18) 500 (20)	80 (2) 160 (4) 240 (6) 320 (8) 400 (10) 480 (12) 560 (14) 640 (16) 720 (18)	180 (3) 240 (4) 360 (6) 480 (8) 660 (11)	240 (4) 480 (8) 660 (11) 840 (14)	240 (4) 480 (8) 660 (11) 840 (14)	480 (6) 640 (8) 800 (10) 1 040 (13)
	Pitch of mounting holes <i>F</i>	20	25	40	60	60	60	80
	<i>E</i>	10	12.5	20	30	30	30	40
	Standard <i>E</i> or higher dimensions ⁽¹⁾ below	4.5	5	5.5	7	8	9	10
	Maximum length ⁽²⁾	480 (1 000)	850 (1 000)	1 000 (1 480)	1 200 (1 500)	1 200 (1 980)	1 200 (1 980)	1 200 (2 000)

Notes ⁽¹⁾ This does not apply to female threads for bellows (supplemental code "/J").
⁽²⁾ Length up to the value in () can be produced. If needed, please contact IKO.

Remarks 1. A typical identification number is indicated, but is applied to all models of the same size.
2. Indicate "LWH" for the model code of the single track rail regardless of the series and the combination of slide unit models.
3. If not directed, *E* dimensions for both ends will be the same within the range of standard *E* dimensions. To change the dimensions, indicate the specified rail mounting hole positions "/E" of special specification. For more information, see page III -30.

Table 2.3 Standard and maximum length of ultra seal specification high carbon steel track rail

The diagram illustrates a track rail assembly. It shows a cross-section of a rail with mounting holes. The total length is labeled L . The distance between mounting holes is labeled F . The distance from the end of the rail to the first mounting hole is labeled E . The number of pieces is labeled n (Pieces).

unit: mm

Item \ Identification number	LWH15...M	LWH20...M	MH 25...M LWH25...M	MH 30...M LWH30...M	LWH35...M	LWH45...M
Standard length L (n)	180 (3) 240 (4) 360 (6) 480 (8) 660 (11)	240 (4) 480 (8) 660 (11) 840 (14) 1 020 (17) 1 200 (20) 1 500 (25)	240 (4) 480 (8) 660 (11) 840 (14) 1 020 (17) 1 200 (20) 1 500 (25)	480 (6) 640 (8) 800 (10) 1 040 (13) 1 200 (15) 1 520 (19)	480 (6) 640 (8) 800 (10) 1 040 (13) 1 200 (15) 1 520 (19)	840 (8) 1 050 (10) 1 260 (12) 1 470 (14) 1 995 (19)
Pitch of mounting holes F	60	60	60	80	80	105
E	30	30	30	40	40	52.5
Standard E or higher dimensions ⁽¹⁾ below	7 37	8 38	9 39	10 50	10 50	12.5 65
Maximum length	1 500	1 980	3 000	2 960	2 960	2 940
Maximum number of butt-jointing track rails	3	3	3	3	3	3
Maximum length of butt-jointing track rail	4 200	5 640	8 700	8 480	8 480	8 295

Note ⁽¹⁾ This does not apply to female threads for bellows (supplemental code "/J").

Remarks 1. A typical identification number is indicated, but is applied to all models of the same size.

2. If not directed, *E* dimensions for both ends will be the same within the range of standard *E* dimensions. To change the dimensions, indicate the specified rail mounting hole positions "/E" of special specification. For more information, see page III –30.

Table 2.4 Standard and maximum length of ultra seal specification with track rail mounting from bottom

The diagram illustrates a track rail assembly. It shows a cross-section of the rail with mounting holes. The total length of the rail is labeled as L . The distance between the center of the first mounting hole and the center of the last mounting hole is labeled as F . The distance from the end of the rail to the center of the first mounting hole is labeled as E . The number of pieces of rail is labeled as n (Pieces).

unit: mm

Item	Identification number	LWH15...MU	LWH20...MU	MH 25...MU LWH25...MU	MH 30...MU LWH30...MU	LWH35...MU	LWH45...MU
Standard length L (n)		180 (3)	240 (4)	240 (4)	480 (6)	480 (6)	840 (8)
		240 (4)	480 (8)	480 (8)	640 (8)	640 (8)	1 050 (10)
		360 (6)	660 (11)	660 (11)	800 (10)	800 (10)	1 260 (12)
		480 (8)	840 (14)	840 (14)	1 040 (13)	1 040 (13)	1 470 (14)
		660 (11)	1 020 (17)	1 020 (17)	1 200 (15)	1 200 (15)	1 995 (19)
		1 200 (20)	1 200 (20)	1 520 (19)	1 520 (19)		
		1 500 (25)	1 500 (25)				
Pitch of mounting holes F		60	60	60	80	80	105
E		30	30	30	40	40	52.5
Standard E or higher dimensions ⁽¹⁾ below		7	8	9	10	10	12.5
		37	38	39	50	50	65
Maximum length		1 500	1 980	3 000	2 960	2 960	2 940
Maximum number of butt-jointing track rails		3	3	3	3	3	3
Maximum length of butt-jointing track rail		4 200	5 640	8 700	8 480	8 480	8 295

Note ⁽¹⁾ This does not apply to female threads for bellows (supplemental code "/J").

Remarks 1. A typical identification number is indicated, but is applied to all models of the same size.

2. Track rail mounting bolt is not included.

3. If not directed, *E* dimensions for both ends will be the same within the range of standard *E* dimensions. To change the dimensions, indicate the specified rail mounting hole positions "/E" of special specification. For more information, see page III –30.

7	Material type	High carbon steel made	: No symbol	For applicable models and sizes, see Table 1.1 and
		Stainless steel made ⁽¹⁾	: SL	Table 1.2.
		Note ⁽¹⁾ Mount a standard grease nipple (brass) on the stainless steel type, too. Stainless steel grease nipple is also available. If needed, please contact IKO.		

8	Preload amount	Clearance	: T ₀	Specify this item for an assembled set or a single slide unit.
		Standard	: No symbol	For details of the preload amount, see Table 3.
		Light preload	: T ₁	For applicable preload types, see Table 4.
		Medium preload	: T ₂	
		Heavy preload	: T ₃	

Table 3 Preload amount

Item	Preload symbol	Preload amount N	Operational conditions
Preload type			
Clearance	T ₀	0 ⁽²⁾	· Very light motion
Standard	(No symbol)	0 ⁽³⁾	· Light and precise motion
Light preload	T ₁	0.02C ₀	· Almost no vibrations · Load is evenly balanced · Light and precise motion
Medium preload	T ₂	0.05C ₀	· Medium vibration · Medium overhung load
Heavy preload	T ₃	0.08C ₀	· Operation with vibration and/or shock · Overhanging load applied · Heavy cutting

Notes ⁽²⁾ There is zero or subtle clearance.

⁽³⁾ Indicates zero or minimal amount of preload.

Remark: C₀ indicates the basic static load rating.

Table 4 Application of preload

Size	Preload type (preload symbol)				
	Clearance (T ₀)	Standard (No symbol)	Light preload (T ₁)	Medium preload (T ₂)	Heavy preload (T ₃)
8	○	○	○	—	—
10	○	○	○	—	—
12	○	○	○	—	—
15	—	○	○	○	○
20	—	○	○	○	○
25	—	○	○	○	○
30	—	○	○	○	○
35	—	○	○	○	○
45	—	○	○	○	○
55	—	○	○	○	○
65	—	○	○	○	○

Remark: The mark  indicates that interchangeable specification products are available.

9	Accuracy class	High	: H	For interchangeable specification products, assemble a slide unit and a track rail of the same accuracy class. For details of accuracy class, see Table 5.1 and Table 5.2. For applicable accuracy class, see Table 6.
		Precision	: P	
		Super precision	: SP	

Table 5.1 Tolerance and allowance (Series of size 15 or higher)

Flange type, block type, and compact block type

Side mounting type

unit: mm

Item	Class (classification symbol)	High (H)	Precision (P)	Super precision (SP)
Dim. H tolerance		± 0.040	± 0.020	± 0.010
Dim. N tolerance		± 0.050	± 0.025	± 0.015
Dim. variation of H ⁽¹⁾		0.015	0.007	0.005
Dim. variation of N ⁽¹⁾		0.020	0.010	0.007
Dim. variation of H for multiple assembled sets ⁽²⁾		0.035	0.025	—
Slide unit against the A surface Parallelism during running on the C surface		See Fig. 1.1		
Slide unit against the B surface Parallelism during running on the D surface		See Fig. 1.1		

Notes ⁽¹⁾ It means the size variation between slide units mounted on the same track rail.
⁽²⁾ Applicable to the interchangeable specifications.

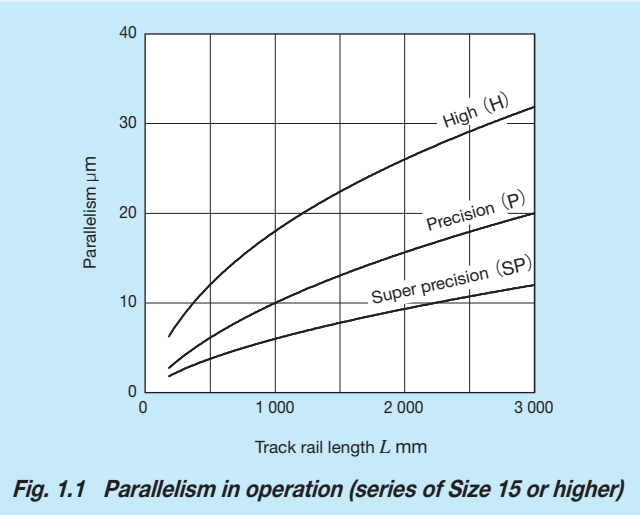
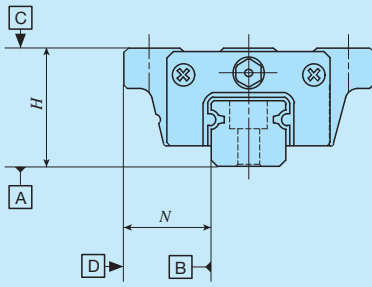


Table 5.2 Tolerance and allowance (Series of size 8 to 12)

		unit: mm	
Item	Class (classification symbol)	High (H)	Precision (P)
Dim. H tolerance		± 0.020	± 0.010
Dim. N tolerance		± 0.025	± 0.015
Dim. variation of H ⁽¹⁾		0.015	0.007
Dim. variation of N ⁽¹⁾		0.020	0.010
Dim. variation of H for multiple assembled sets ⁽²⁾		0.030	0.020
Parallelism in operation of the slide unit C surface to A surface		See Fig. 1.2	
Parallelism in operation of the slide unit D surface to B surface		See Fig. 1.2	

Notes ⁽¹⁾ It means the size variation between slide units mounted on the same track rail.
⁽²⁾ Applicable to the interchangeable specifications.

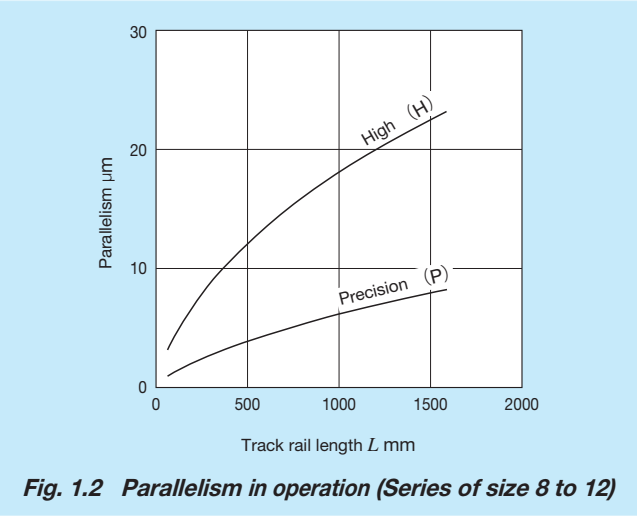


Table 6 Application of accuracy class

Size	Class (classification symbol)		
	High (H)	Precision (P)	Super precision (SP)
8	○	○	—
10	○	○	—
12	○	○	—
15	○	○	○
20	○	○	○
25	○	○	○
30	○	○	○
35	○	○	○
45	○	○	○
55	○	○	○
65	○	○	○

Remark: The mark  indicates that interchangeable specification products are available.

10	Interchangeable	S1 specification	: S1	This is specified for the interchangeable specifications. Assemble a track rail and a slide unit with the same interchangeable code. When using in combination with different interchangeable codes, please contact IKO. Note that the combination of interchangeable codes will not have any effect on accuracy. For applicable models and sizes, see Table 1.1 and Table 1.2. "No symbol" is indicated for non-interchangeable specification.
		S2 specification	: S2	
		Non-interchangeable specification	: No symbol	

11 Special specification

/A, /BS, /D, /E, /F, /I, /JO,
/LO, /LFO, /MA, /MN, /N,
/PS, /Q, /RE, /T, /U, /UR,
/VO, /WO, /YO, /ZO

For applicable special specifications, see Table 7.1, Table 7.2, Table 7.3, and Table 7.4.
For combination of multiple special specifications, see Table 8.
For details of special specification, see page III-29.

Table 7.1 Application of special specifications (Interchangeable specification and slide unit specification)

Special specification	Supplemental code	Size										
		8	10	12	15	20	25	30	35	45	55	65
Stainless steel end plate ⁽¹⁾	/BS	×	×	×	○	○	○	○	×	×	×	×
Female threads for bellows ⁽²⁾	/J○	×	×	×	○	○	○	○	○	○	○	○
No end seal	/N	○	○	○	○	○	○	○	○	○	○	○
With C-Lube plate ⁽¹⁾	/Q	○	○	○	○	○	○	○	○	○	○	○
Special environment seal ⁽¹⁾	/RE	×	×	×	○	○	○	○	×	×	×	×
Under seal	/U	○	○	○	×	×	×	×	×			
Double end seals	/V○	×	×	×	○	○	○	○	○	○	○	○
Scrapers	/Z○	×	×	×	○	○	○	○	○	○	○	○

Notes (1) Applicable to LWH series.

(2) Not applicable to stainless steel made products.

(3) Attached as standard.

Table 7.2 Application of special specifications (Interchangeable specification and track rail specification)

Special specification	Supplemental code	Size										
		8	10	12	15	20	25	30	35	45	55	65
Specified rail mounting hole positions	/E	○	○	○	○	○	○	○	○	○	○	○
Caps for rail mounting holes	/F	×	×	○	○	○	○	○	○	○	○	○
Female threads for bellows ⁽¹⁾	/J	×	×	×	○	○	○	○	○	○	○	○
Black chrome surface treatment	/LR	×	×	×	○	○	○	○	○	○	○	○
Without track rail mounting bolt	/MN	○	○	○	○	○	○	○	○	○	○	○
Butt-jointing track rails	/T	×	×	×	○	○	○	○	○	○	○	○

Note (1) Not applicable to stainless steel made products.

Table 7.3 Application of special specifications (Interchangeable specification and assembled set)

Special specification	Supplemental code	Size										
		8	10	12	15	20	25	30	35	45	55	65
Stainless steel end plate ⁽¹⁾	/BS	×	×	×	○	○	○	○	×	×	×	×
Opposite reference surfaces arrangement	/D	○	○	○	○	○	○	○	○	○	○	○
Specified rail mounting hole positions	/E	○	○	○	○	○	○	○	○	○	○	○
Caps for rail mounting holes	/F	×	×	○	○	○	○	○	○	○	○	○
Female threads for bellows ⁽²⁾	/J○	×	×	×	○	○	○	○	○	○	○	○
Black chrome surface treatment	/L○	×	×	×	○	○	○	○	○	○	○	○
Fluorine black chrome surface treatment	/LF○	×	×	×	○	○	○	○	○	○	○	○
With track rail mounting bolt ⁽³⁾	/MA	○	○	○	○	○	○	○	○	○	×	×
Without track rail mounting bolt ⁽¹⁾	/MN	○	○	○	○	○	○	○	○	○	○	○
No end seal	/N	○	○	○	○	○	○	○	○	○	○	○
With C-Lube plate ⁽¹⁾	/Q	○	○	○	○	○	○	○	○	○	○	○
Special environment seal ⁽¹⁾	/RE	×	×	×	○	○	○	○	×	×	×	×
Butt-jointing track rails	/T	×	×	×	○	○	○	○	○	○	○	○
Under seal	/U	○	○	○	×(5)	×(5)	×(5)	×(5)	×(5)	×(5)	×(5)	×(5)
Double end seals	/V○	×	×	×	○	○	○	○	○	○	○	○
Specified grease ⁽⁴⁾	/Y○	×	×	×	○	○	○	○	○	○	○	○
Scrapers	/Z○	×	×	×	○	○	○	○	○	○	○	○

Notes (1) Applicable to LWH series.

(2) Not applicable to stainless steel made products.

(3) Applicable to MH series.

(4) MH series is applicable only to /YCG.

(5) Attached as standard.

Table 7.4 Application of special specifications (Non-interchangeable specification)

Special specification	Supplemental code	Size										
		8	10	12	15	20	25	30	35	45	55	65
Butt-jointing track rails	/A	○	○	○ ⁽¹⁾	○	○	○	○	○	○	○	○
Stainless steel end plate ⁽²⁾ ⁽³⁾	/BS	×	×	×	○	○	○	○	×	×	×	×
Opposite reference surfaces arrangement ⁽³⁾	/D	○	○	○	○	○	○	○	○	○	○	○
Specified rail mounting hole positions	/E	○	○	○	○	○	○	○	○	○	○	○
Caps for rail mounting holes ⁽⁴⁾	/F	×	×	○	○	○	○	○	○	○	○	○
Inspection sheet	/I	○	○	○	○	○	○	○	○	○	○	○
Female threads for bellows ⁽³⁾	/J○	×	×	×	○	○	○	○	○	○	○	○
Black chrome surface treatment	/L○	○ ⁽⁵⁾	○ ⁽⁵⁾	○ ⁽⁵⁾	○	○	○	○	○	○	○	○
Fluorine black chrome surface treatment	/LF○	×	×	×	○	○	○	○	○	○	○	○
With track rail mounting bolt ⁽⁶⁾	/MA	○	○	○	○	○	○	○	○	○	×	×
Without track rail mounting bolt ⁽²⁾ ⁽⁴⁾	/MN	○	○	○	○	○	○	○	○	○	○	○
No end seal ⁽⁷⁾	/N	○	○	○	○	○	○	○	○	○	○	○
Rail cover plate for track rail ⁽⁷⁾ ⁽⁸⁾	/PS	×	×	×	×	×	○	○	○	○	○	○
With C-Lube plate ⁽²⁾ ⁽³⁾ ⁽⁷⁾	/Q	○	○	○	○	○	○	○	○	○	○	○
Special environment seal ⁽²⁾ ⁽⁷⁾	/RE	×	×	×	○	○	○	○	×	×	×	×
Under seal	/U	○	○	○	×	×	×	×	×			
Inner seal ⁽¹⁰⁾	/UR	×	×	×	×	×	○	○	×	×	×	×
Double end seals	/V○	×	×	×	○	○	○	○	○	○	○	○
A pair of multiple assembled sets ⁽³⁾	/W○	○	○	○	○	○	○	○	○	○	○	○
Specified grease ⁽¹¹⁾	/Y○	○	○	○	○	○	○	○	○	○	○	○
Scrapers	/Z○	×	×	×	○	○	○	○	○	○	○	○

Notes (1) Not applicable to high carbon steel made products.

(2) Applicable to LWH series.

(3) This does not apply to side mounting type (LWHY).

(4) This does not apply to ultra seal specification with t

(5) Applicable only to "LR".

(6) Applicable to MH series

(7) This does not apply to

MU).

(8) Not applicable to stainless steel made products.

(9) Attached as standard.

⁽¹⁰⁾ Applicable only to MH...M(U).

(11) MH series is applicable only to /YCG.

Table 8 *Combination of supplemental codes*

[illegible]

Note (1) Contact IKO for the case of size 8 to 12.

Remarks 1. The combination of "-" shown in the table is not available.

2. Contact IKO for the combination of the interchangeable specification marked with ●.

3. When using multiple types for combination, please indicate by arranging the symbols in alphabetical order.

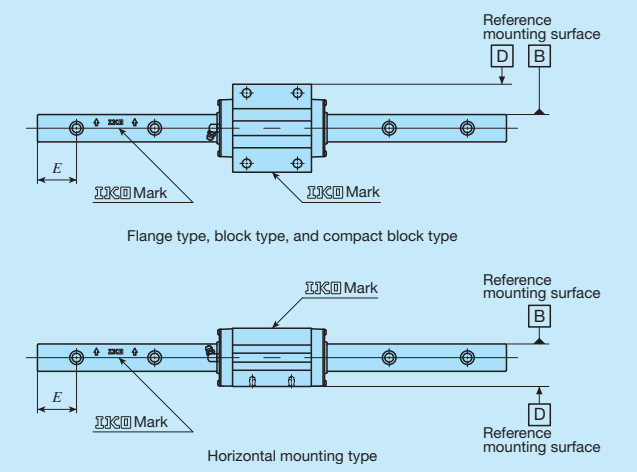


Fig. 2 Specified rail mounting hole positions (Supplemental code /E)

Remark: For details of specified rail mounting hole positions (supplemental code /E), see page III-30.

Table 10.1 Dimension of female threads for bellows (Supplemental code Single unit: /J Assembled set: /J /JJ)

unit: mm

Identification number		Slide unit									Track rail		
		a_1	a_2	b_1	b_2	b_3	b_4	$M_1 \times \text{depth}$	$L_1^{(2)}$	H_3	a_3	a_4	$M_2 \times \text{depth}$
MH(T) 15	LWH(T) 15…B	3	7	15.5	16	9.5	28	$M3 \times 6$	83	6.5	4	8	$M3 \times 6$
—	LWH(T) 15…M								86				
MHTG 15	—	4	10	20.5	22	13.5	36	$M3 \times 6$	99	8.5	5	9	$M4 \times 8$
MH(T) 20	LWH(T) 20…B								99				
—	LWH(T) 20…M(U)								103				
MH(T)G 20	LWH(T)G 20								128				
MH(T) 25	LWH(T) 25…B	4	13	22	26	15	40	$M3 \times 6$	110	8.5	5	12	$M4 \times 8$
MH(T) 25…M(U)	LWH(T) 25…M(U)								115				
MH(T)G 25	LWH(T)G 25								133				
MH(T) 30	LWH(T) 30…B								128				
MH(T) 30…M(U)	LWH(T) 30…M(U)	5	17	28	34	20	50	$M3 \times 6$	133	11	6	14	$M4 \times 8$
MH(T)G 30	LWH(T)G 30								154				
MH(T) 35	LWH(T) 35…B	6	20	30	40	20	60	$M3 \times 6$	137	13	7	15	$M4 \times 8$
—	LWH(T) 35…M(U)								143				
MH(T)G 35	LWH(T)G 35								165				
MH(T) 45	LWH(T) 45…B	7	26	35	50	23	74	$M4 \times 8$	160	15	8	19	$M5 \times 10$
—	LWH(T) 45…M(U)								167				
MH(T)G 45	LWH(T)G 45								203				
—	LWH(T) 55…B	7	32	40	60	27	86	$M4 \times 8$	196	17	8	25	$M5 \times 10$
—	LWH(T)G 55								248				
—	LWH(T) 65…B	10	46	50	70	32	106	$M5 \times 10$	240	20	10	28	$M6 \times 12$
—	LWH(T)G 65								314				

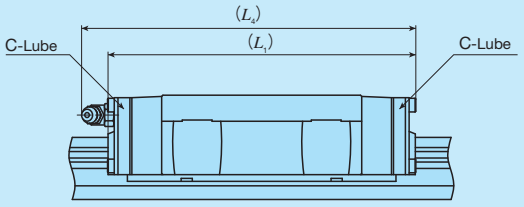
Notes ⁽¹⁾ The specification and mounting positions of grease nipple are different from those of the standard specification product. Provided grease nipple for size 15 models is NPB2 type (special specification). For details of dimensions, contact IKO.
⁽²⁾ Dimensions of the specification that female threads for bellows are fitted to both ends of the slide unit are indicated.
Remark: This is also applicable to stainless steel models of the same size.

Table 10.2 Dimension of female threads for bellows (Supplemental code Single unit: /J Assembled set: /J /JJ)

				unit: mm									
Identification number		Slide unit								Track rail			
		a ₁	a ₂	b ₁	b ₂	b ₃	b ₄	M ₁ ×depth	L ₁ ⁽²⁾	H ₃	a ₃	a ₄	M ₂ ×depth
MHD 15	LWHD 15…B	7	7	9	16	3	28	M3× 6	83	10.5	4	8	M3× 6
—	LWHD 15…M								86				
MHS 15	LWHS 15…B	3	7	9	16	3	28	M3× 6	83	6.5	4	8	M3× 6
—	LWHS 15…M(U)								86				
MHSG 15	—	4	10	11	22	4	36	M3× 6	99	8.5	5	9	M4× 8
MHS 20	LWHS 20…B								99				
—	LWHS 20…M(U)	8	13	11	26	4	40	M3× 6	103	12.5	5	12	M4× 8
MHSG 20	LWHS 20								128				
MHD 25	LWHD 25…B	4	13	11	26	4	40	M3× 6	110	8.5	5	12	M4× 8
MHD 25…M(U)	LWHD 25…M(U)								115				
MHDG 25	LWHDG 25	8	17	13	34	5	50	M3× 6	133	14	6	14	M4× 8
MHS 25	LWHS 25…B								110				
MHS 25…M(U)	LWHS 25…M(U)	4	13	11	26	4	40	M3× 6	115	8.5	5	12	M4× 8
MHSG 25	LWHS 25								133				
MHD 30	LWHD 30…B	8	17	13	34	5	50	M3× 6	128	14	6	14	M4× 8
MHD 30…M(U)	LWHD 30…M(U)								133				
MHDG 30	LWHDG 30	5	17	13	34	5	50	M3× 6	154	11	6	14	M4× 8
MHS 30	LWHS 30…B								128				
MHS 30…M(U)	LWHS 30…M(U)	13	20	15	40	5	60	M3× 6	133	20	7	15	M4× 8
MHSG 30	LWHS 30								154				
MHD 35	LWHD 35…B	17	26	18	50	6	74	M4× 8	137	25	8	19	M5×10
—	LWHD 35…M(U)								143				
MHSG 35	LWHDG 35	17	32	20	60	7	86	M4× 8	165	27	8	25	M5×10
MHD 45	LWHD 45…B								160				
—	LWHD 45…M(U)	10	46	28	70	10	106	M5×10	167	20	10	28	M6×12
MHDG 45	LWHDG 45								203				
—	LWHD 55…B	17	32	20	60	7	86	M4× 8	196	27	8	25	M5×10
—	LWHDG 55								248				
—	LWHD 65…B	10	46	28	70	10	106	M5×10	240	20	10	28	M6×12
—	LWHDG 65								314				

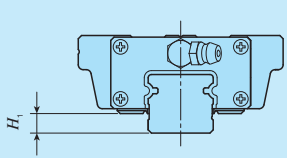
Notes ⁽¹⁾ The specification and mounting positions of grease nipple are different from those of the standard specification product. Provided grease nipple for size 15 models is NPB2 type (special specification). For details of dimensions, contact IKO.
⁽²⁾ Dimensions of the specification that female threads for bellows are fitted to both ends of the slide unit are indicated.
Remark: This is also applicable to stainless steel models of the same size.

Table 11 Dimension of slide unit with C-Lube plate
(Supplemental code /Q)

		
unit: mm		
Identification number	L_1	L_4
LWHDC 8...SL	26	—
LWHT 8...SL	32	—
LWHD 8...SL		
LWHDG 8...SL	38.5	—
LWHDC 10...SL	34	—
LWHT 10...SL	42	—
LWHD 10...SL		
LWHDG 10...SL	50	—
LWHDC 12...SL	44	48
LWHT 12	56	60
LWHD 12		
LWHDG 12...SL	68	72
LWH 15...B	75	78
LWH 20...B	92	105
LWHG 20	121	134
LWH 25...B	105	116
LWHG 25	127	139
LWH 30...B	125	135
LWHG 30	151	161
LWH 35...B	134	146
LWHG 35	162	174
LWH 45...B	160	170
LWHG 45	203	214
LWH 55...B	196	207
LWHG 55	248	258
LWH 65...B	246	253
LWHG 65	321	328

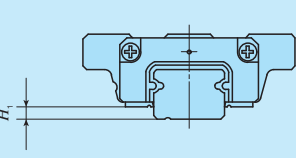
Remarks 1. The dimensions of the slide unit with C-Lube at both ends are indicated.
2. A typical identification number is indicated, but is applied to all LWH series models of the same size.

Table 12.1 H_1 dimensions of special environment seal (Supplemental code /RE)

		
unit: mm		
Identification number	H_1	
LWH 20	5.5	

Remarks 1. A typical identification number is shown, but it is applied to the LWH series size 20. However, semi-standard products other than LWHY (lateral mounted type) are not applicable.
2. The H_1 dimension in the identification number, other than the above, is the same as the standard seal.

Table 12.2 H_1 dimension with under seal (Supplemental code /U)

		
unit: mm		
Size	H_1	
8	1.5	
10	1.8	
12	3.2 ⁽¹⁾	

Note ⁽¹⁾ The dimensions are the same as those before mounting of under seal.

Table 13 Dimension of slide unit with double end seals
(Supplemental code Single unit: /V Assembled set: /VV)

unit: mm

Identification number				L_1	L_4
MH	15	LWH	15...B	72	77
	—	LWH	15...M(U)	71	76
MHTG	15		—	88	93
MH	20	LWH	20...B	91	104
	—	LWH	20...M(U)	90	103
MHG	20	LWHG	20	119	133
MH	25	LWH	25...B	104	116
MH	25...M(U)	LWH	25...M(U)	103	115
MHG	25	LWHG	25	127	139
MH	30	LWH	30...B	122	134
MH	30...M(U)	LWH	30...M(U)	121	
MHG	30	LWHG	30	148	160
MH	35	LWH	35...B	133	146
	—	LWH	35...M(U)		
MHG	35	LWHG	35	161	173
MH	45	LWH	45...B	159	170
	—	LWH	45...M(U)	158	
MHG	45	LWHG	45	202	213
	—	LWH	55...B	195	206
	—	LWHG	55	247	258
	—	LWH	65...B	241	251
	—	LWHG	65	316	325

Remarks 1. The dimensions of the slide unit with double end seals at both ends are indicated.
2. A typical identification number is indicated, but is applied to all models of the same size.

Table 14 Dimension of slide unit with scrapers (Supplemental code Single unit: /Z Assembled set: /ZZ)

unit: mm

Identification number			L_1	L_4
MH	15	LWH 15...B	73	75
	—	LWH 15...M(U)	72	74
MHTG	15	—	89	91
MH	20	LWH 20...B	91	104
	—	LWH 20...M(U)	90	100
MHG	20	LWHG 20	119	133
MH	25	LWH 25...B	104	116
MH	25...M(U)	LWH 25...M(U)	103	112
MHG	25	LWHG 25	126	138
MH	30	LWH 30...B	124	135
MH	30...M(U)	LWH 30...M(U)	123	131
MHG	30	LWHG 30	150	161
MH	35	LWH 35...B	133	146
	—	LWH 35...M(U)		
MHG	35	LWHG 35	161	174
MH	45	LWH 45...B	160	170
	—	LWH 45...M(U)	159	
MHG	45	LWHG 45	203	214
	—	LWH 55...B	196	207
	—	LWHG 55	248	258
	—	LWH 65...B	242	251
	—	LWHG 65	317	326

Remarks 1. The dimensions of the slide unit with scraper at both ends are indicated.
2. A typical identification number is indicated, but is applied to all models of the same size.

Table 16 Parts for lubrication

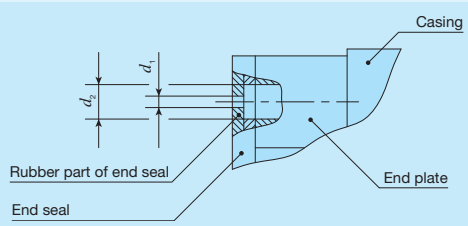
Size	Grease nipple type ⁽¹⁾	Applicable supply nozzle type	Bolt size of female threads for piping
8	Oil hole	Miniature greaser MG10B/MT2	—
10			
12	A-M3	A-5120V A-5240V B-5120V B-5240V	—
15	A-M4		
20	B-M6	Grease gun available on the market	M6
25			
30			
35			
45	JIS type 4		PT1/8
55			
65			

Note ⁽¹⁾ For grease nipple specification, see Table 14.1 and Table 14.2 on page III-23.
Remark: Stainless steel grease nipple is also available. If needed, please contact IKO.

Lubrication

In the series of size 8 to 12 of MH series and LWH series, lithium-soap base grease (MULTEMP PS No.2, KYODO YUSHI) is pre-packed, and in the series of size 15 to 65, lithium-soap base grease with extreme-pressure additive (Alvania EP grease 2, [Shell Lubricants Japan K.K.]) is pre-packed. Additionally, MH series has C-Lube placed in the recirculation part of balls, so that the interval for reapplying lubricant can be extended and maintenance works such as grease job can be reduced significantly.
MH series and LWH series have grease nipple or oil hole as indicated in Table 16. Supply nozzles fit to each shapes of grease nipple and dedicated supplying equipment (miniature greasers) fit to oil holes are also available. For order of these parts for lubrication, see Table 13 and Table 14.1 on Page III-23, and Table 15 on page III-24.

Table 15 Oil hole specifications

		
unit: mm		
Size	d_1	d_2
8	0.5	1.5
10		

Dust Protection

The slide units of MH series and LWH series are equipped with end seals and under seals as standard for dust protection. However, if large amount of contaminant or dust are floating, or if large particles of foreign substances such as chips or sand may adhere to the track rail, it is recommended to cover the whole unit with bellows or telescope type shield, etc. MH series and LWH series are provided with specific bellows. The bellows are easy to mount and provide excellent dust protection. If needed, please refer to Ⅲ-26 for ordering. And, track rail mounting from bottom with no mounting hole on the upper surface of the track rail (Figure 3) is also available. If needed, contact IKO.

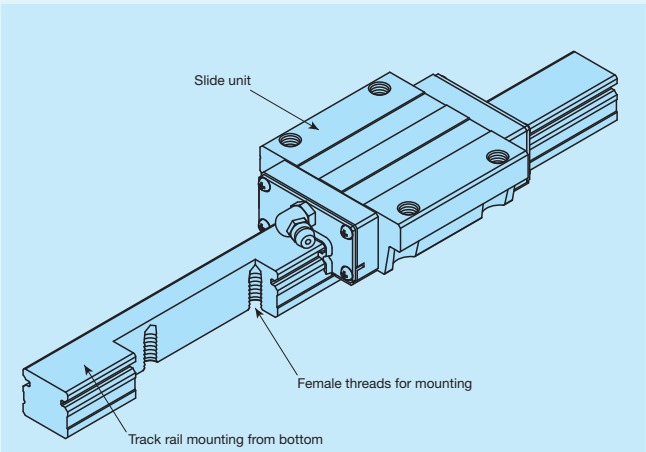


Fig. 3 Track rail mounting from bottom specification

Precaution for Use

1 Mounting surface, reference mounting surface and typical mounting structure

When mounting the MH series and LWH series, properly align the reference mounting surfaces B and D of the track rail and slide unit with the reference mounting surface of the table and bed and fix them. (See Fig. 4.) The reference mounting surfaces B and D and mounting surfaces A and C are precisely ground. Machining the mounting surface of the table and bed, such as machine or device, to high accuracy and mounting them properly will ensure stable linear motion with high accuracy. Reference mounting surface of the slide unit is the opposite side of the IKO mark. The track rail reference mounting surface is identified by locating the IKO mark on the top surface of the track rail. It is the side surface above the mark (in the direction of the arrow). (See Fig. 5.)

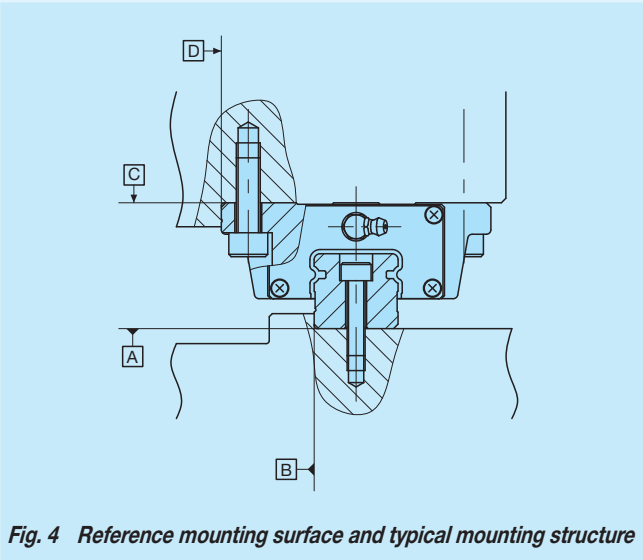


Fig. 4 Reference mounting surface and typical mounting structure

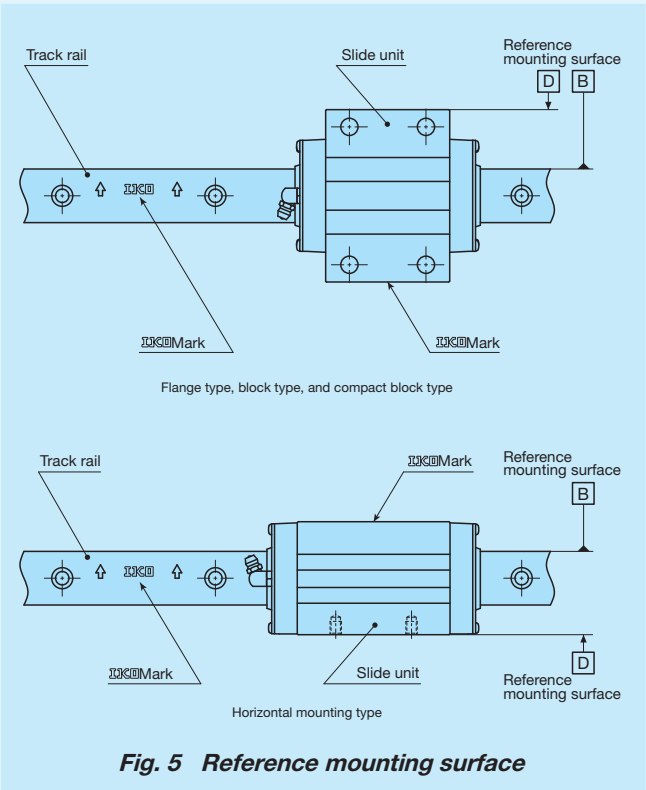


Fig. 5 Reference mounting surface

2 Shoulder height and corner radius of the reference mounting surface

For the opposite corner of the mating reference mounting, it is recommended to have relieved fillet as indicated in Fig. 6. Recommended value for the shoulder height and corner radius on the mating side is indicated in Table 17.

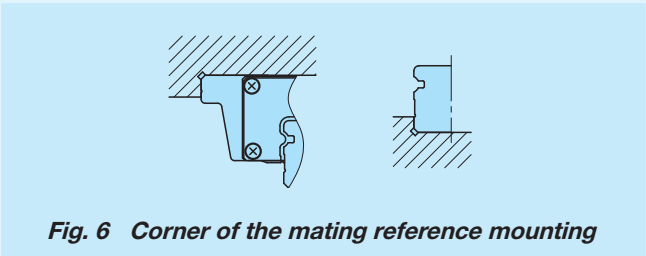


Fig. 6 Corner of the mating reference mounting

Table 17 Shoulder height and corner radius of the reference mounting surface

Size	Mounting part of slide unit		Mounting part of track rail	
	Shoulder height h_1	Corner radius R_1 (Maximum)	Shoulder height h_2	Corner radius R_2 (Maximum)
8	3.5(4) ⁽¹⁾	0.5	1.6 ⁽²⁾	0.2
10	4.5(5) ⁽¹⁾	0.5	1.9 ⁽²⁾	0.2
12	6	0.5	2.7 ⁽²⁾	0.7
15	4	0.5	3	0.5
20	5	0.5	3	0.5
25	6	1	4	1
30	8	1	5	1
35	8	1	6	1
45	8	1.5	7	1.5
55	10	1.5	8	1.5
65	10	1.5	10	1.5

Notes ⁽¹⁾ The values in () are applied to MHD and LWH.
⁽²⁾ For models with under seals (supplemental code "/U"), it is recommended to use the values 0.6 mm smaller than the values in the table.

3 Tightening torque for fixing screw

Typical tightening torque for mounting of the MH series and LWH series to the steel mating member material is indicated in Table 18. When vibration and shock of the machine or device are large, fluctuating load is large, or moment load is applied, fix it by using the torque 1.2 to 1.5 times larger than the value indicated in the table as necessary. If the mating member material is cast iron or aluminum alloy, reduce the tightening torque depending on the strength characteristics of the mating member material.

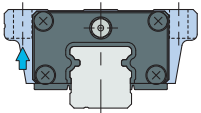
Table 18 Tightening torque for fixing screw

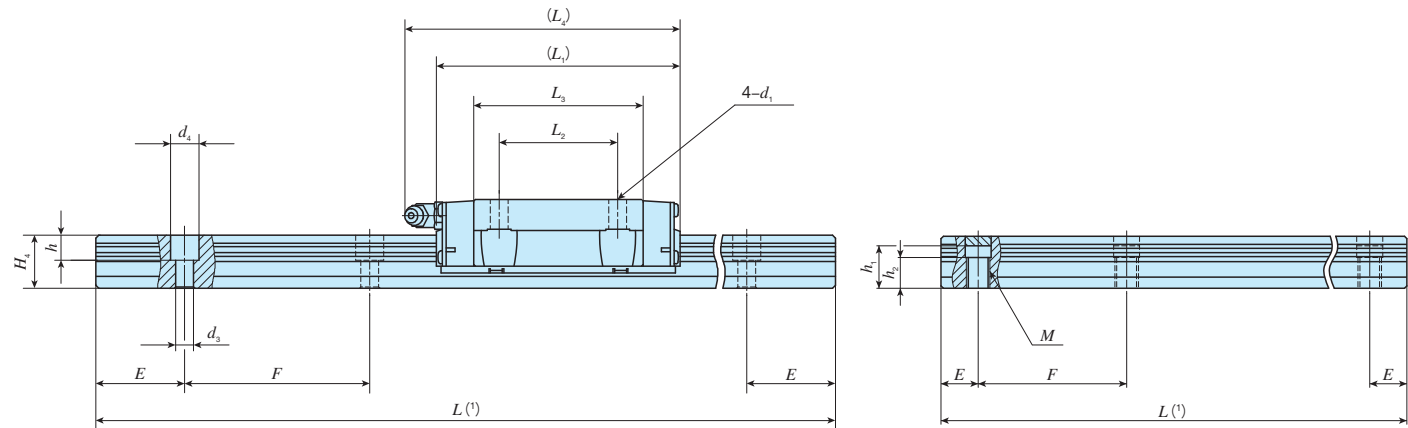
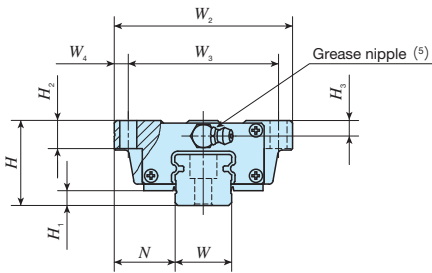
Bolt size	Tightening torque N · m		
	High carbon steel-made screw		Stainless steel-made screw
	Size: 12	Size: 15 to 65	
M 1.6×0.35	—	—	0.15
M 2 ×0.4	—	—	0.31
M 2.3×0.4	—	—	0.49
M 2.6×0.45	—	—	0.70
M 3 ×0.5	1.3	—	1.1
M 4 ×0.7	2.9	4.1	2.5
M 5 ×0.8	—	8.0	5.0
M 6 ×1	—	13.6	8.5
M 8 ×1.25	—	32.7	20.4
M10 ×1.5	—	63.9	40.0
M12 ×1.75	—	110	—
M14 ×2	—	175	—
M16 ×2	—	268	—

Remark: The tightening torque is calculated based on strength division 8.8 for high carbon steel bolts in product size 12, strength division 12.9 for carbon steel bolts in product size 15 to 65, and property division A2-70 for stainless steel bolts.

IKO C-Lube Linear Way MH

Flange type mounting from bottom

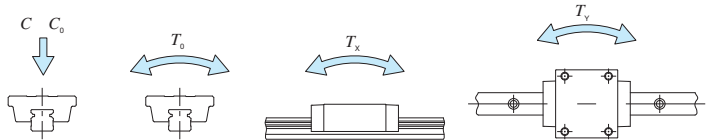
Shape	MH · LWH			
				
Size	15	20	25	30
	35	45	55	65



Ultra seal specification with track rail mounting from bottom

Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm																				Dimensions of track rail mm										Appended mounting bolt for track rail ⁽³⁾ mm	Basic dynamic load rating ⁽⁴⁾	Basic static load rating ⁽⁴⁾	Static moment rating ⁽⁴⁾		
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	d ₁	H ₂	H ₃		W	H ₄	d ₃	d ₄	h	M	h ₁ (²)	h ₂	E	F	Bolt size×ℓ	C N	C ₀ N	T ₀ N・m	T _x N・m	T _y N・m									
MH 15		○	0.22	1.47	24	4.5	16	47	38	4.5	66	30	44.2	69	4.5	7	4.5			15	15	4.5	8	6	—	—	—	30	60	M4×16	11 600	13 400	112	95.6 556	95.6 556								
—	LWH 15---B	○											44.6																														
—	LWH 15---SL	○																																									
—	LWH 15---M*	—																																									
—	LWH 15---MU*	—																						M 6	12	9			—														
MH 20		○	0.48	2.56	30	6	21.5	63	53	5	83	40	56	94	6	10	5.5			20	18	6	9.5	8.5	—	—	—	30	60	M5×18	18 100	21 100	232	195 1 090	195 1 090								
—	LWH 20---B	○											57.2																														
—	LWH 20---SL	○																																									
—	LWH 20---M*	—																																									
—	LWH 20---MU*	—																								M 8	13.5	9.5			—												
MHG 20		○	0.71			6	21.5	63	53	5	112	40	84.8	122							20	18	6	9.5	8.5	—	—	—	30	60	M5×18	24 100	31 700	349	421 2 140	421 2 140							
	LWHG 20	○		86																																							
MH 25		○	0.70	3.50	36	8	23.5	70	57	6.5	95	45	63.9	105	7	10	6.5			23	22	7	11	9	—	—	—	30	60	M6×22	25 200	28 800	362	309 1 690	309 1 690								
	LWH 25---B	○											64.7																														
—	LWH 25---SL	○											63.9																														
MH 25---M*		—				64.7																																					
	LWH 25---M*	—				63.9																																					
MH 25---MU*		—				64.7																																					
	LWH 25---MU*	—																								M10	18	13			—												
MHG 25		○	0.93					8	23.5	70	57	6.5	118	45	86.6	128							23	22	7	11	9	—	—	—	30	60	M6×22	30 800	38 300	483	533 2 740	533 2 740					
	LWHG 25	○				87.4																																					

Notes (1) Track rail lengths L are shown in Table 2.1 on page II-93, Table 2.2 on page II-94, and Tables 2.3 and 2.4 on page II-95.
(2) Choose bolts whose dimension allow fixing thread depth into track rail to be less than h_1 .
(3) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176. For stainless steel model, stainless steel bolts are appended.
In an assembled set of MH series and LWH···MU model, track rail mounting bolts are not appended.
(4) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.
(5) The shapes of grease nipple vary by size. The specifications are shown in Table 16 on page II-104.
Remark: The identification numbers with * are our semi-standard items.



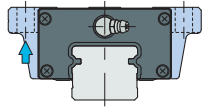
Example of identification number of assembled set

Model code	Dimensions	Part code	Model code	Dust protection code	Material code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
MH	G	20	C2	R480			T1	P	N
1	2	3	4	5	6	7	8	9	10
11									
① Model	MH Flange type mounting from bottom	⑤ Length of track rail (480 mm)	⑥ Dust protection code	⑧ Preload amount	⑩ Interchangeable				
LWH(···B)		No symbol Standard specification	M Ultra seal specification	No symbol Standard	No symbol Non-interchangeable specification				
② Length of slide unit	No symbol Standard	T1 Light preload	MU Ultra seal specification with track rail mounting from bottom	T2 Medium preload	S1 S1 specification				
G Long		T3 Heavy preload			S2 S2 specification				
③ Size	15, 20, 25	⑦ Material type		⑨ Accuracy class	⑪ Special specification				
		No symbol High carbon steel made		H High	A, BS, D, E, F, I, J, L, LF, MA				
④ Number of slide unit (2)		SL Stainless steel made		P Precision	MN, N, PS, Q, RE, T, UR, V, W, Y, Z				
				SP Super precision					

Flange type mounting from bottom

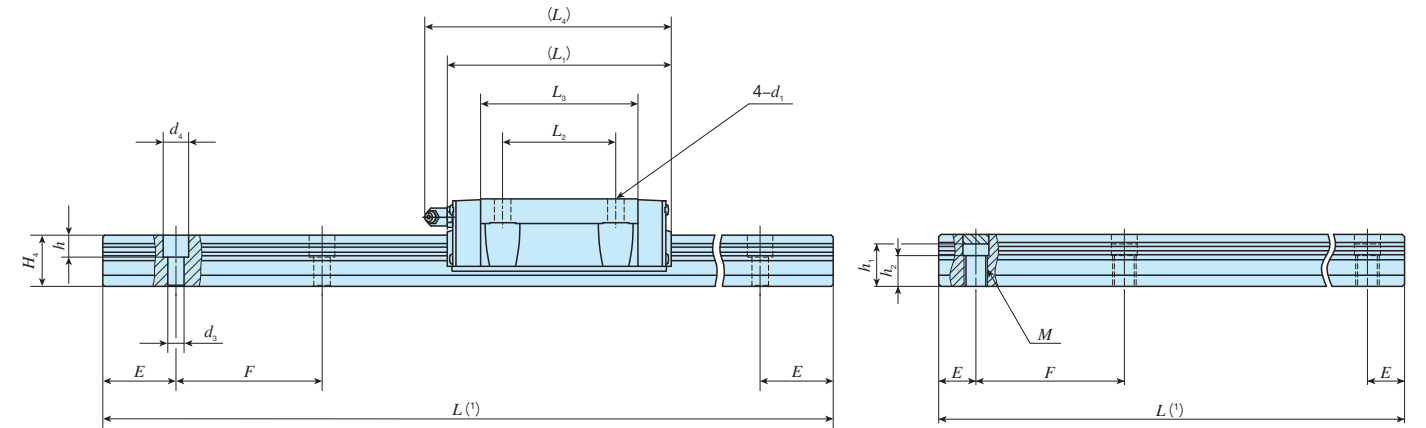
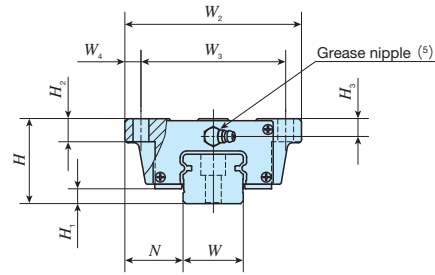
MH • LWH

Shape



Size

15	20	25	30
35	45	55	65



Ultra seal specification with track rail mounting from bottom

Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm										Dimensions of track rail mm										Appended mounting bolt for track rail ⁽³⁾ mm	Basic dynamic load rating ⁽⁴⁾	Basic static load rating ⁽⁴⁾	Static moment rating ⁽⁴⁾			
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	d ₁	H ₂	H ₃	W	H ₄	d ₃	d ₄	h	M	h ₁ ⁽²⁾	h ₂	E	F				Bolt size×ℓ	C N	C ₀ N	T ₀ N・m
MH 30		○	1.28	4.82	42	9	31	90	72	9	113	52	80.6	123	9	10	8	28	25	9	14	12	—	—	—	40	80	M 8×28	35 400	40 700	623	536 2 820	536 2 820	
	LWH 30…B	○																																
—	LWH 30…SL	○																																
MH 30…M*		—																																
	LWH 30…M*	—																																
MH 30…MU*		—																																
	LWH 30…MU*	—																																
MHG 30		○	1.69			9					139		106.6	149															M 8×28	42 700	53 200	814	894 4 460	894 4 460
	LWHG 30	○																																
MH 35		○	1.79	6.85	48	10	33	100	82	9	123	62	86.2	135	9	13	10	34	28	9	14	12	—	—	—	40	80	M 8×28	48 700	53 700	823	631 3 480	579 3 190	
	LWH 35…B	○																																
—	LWH 35…M*	—																																
—	LWH 35…MU*	—																																
MHG 35		○	2.35			10					151		114	163															M 8×28	59 500	71 600	1 100	1 090 5 570	1 000 5 110
	LWHG 35	○																																
MH 45		○	3.17	10.7	60	13	37.5	120	100	10	147	80	103.4	158	11	15	13	45	34	14	20	17	—	—	—	52.5	105	M12×35	74 600	80 200	1 610	1 150 6 190	1 060 5 690	
	LWH 45…B	○																																
—	LWH 45…M*	—																																
—	LWH 45…MU*	—																																
MHG 45		○	4.34			13					190		146.6	201															M12×35	95 200	114 000	2 280	2 240 11 100	2 050 10 200
	LWHG 45	○																																

Notes (1) Track rail lengths L are shown in Table 2.1 on page II-93, Table 2.2 on page II-94, and Tables 2.3 and 2.4 on page II-95.

(2) Choose bolts whose dimension allow fixing thread depth into track rail to be less than h_1 .

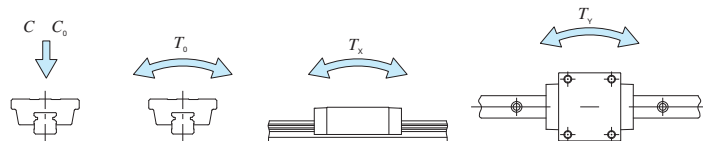
⁽³⁾ The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176. For stainless steel model, stainless steel bolts are appended.

In an assembled set of MH series and LWH···MU model, track rail mounting bolts are not appended.

⁽⁴⁾ The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.

(5) The shapes of grease nipple vary by size. The specifications are shown in Table 16 on page II – 104.

Remark: The identification numbers with * are our semi-standard items.



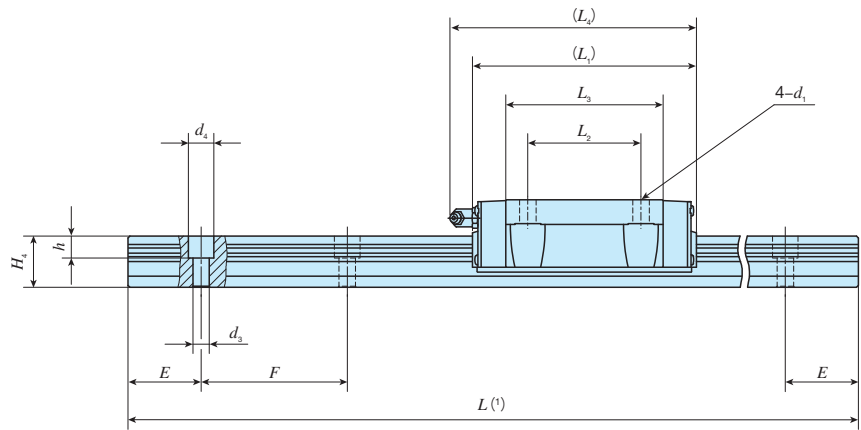
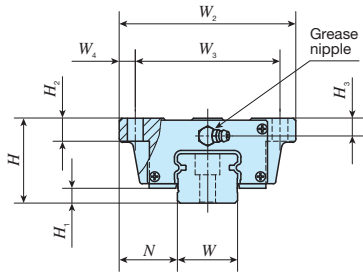
Example of identification number of assembled set

Model code		Dimensions		Part code		Model code	Dust protection code	Material code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
MH	G	35	C2	R800					T ₁	P		N
1	2	3	4	5	1	6	7		8	9	10	11

① Model	MH	Flange type
	LWH(---B)	mounting from bottom
② Length of slide unit	No symbol	Standard
	G	Long
③ Size	30, 35, 45	
④ Number of slide unit (2)		
⑤ Length of track rail (800 mm)		
⑥ Dust protection code	No symbol	Standard specification
	M	Ultra seal specification
	MU	Ultra seal specification with track rail mounting from bottom
⑦ Material type	No symbol	High carbon steel made
	SL	Stainless steel made
⑧ Preload amount	No symbol	Standard
	T ₁	Light preload
	T ₂	Medium preload
	T ₃	Heavy preload
⑨ Accuracy class	H	High
	P	Precision
	SP	Super precision
⑩ Interchangeable	No symbol	Non-interchangeable specification
	S1	S1 specification
	S2	S2 specification
⑪ Special specification	A, B, D, E, F, I, J, L, LF, MA, MN, N, PS, Q, RE, T, UR, V, W, Y, Z	

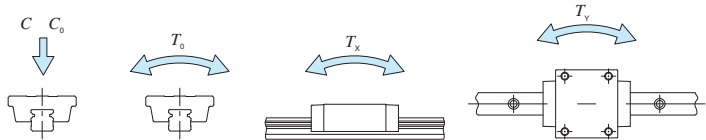
Flange type mounting from bottom

Shape	LWH			
Size	15	20	25	30
	35	45	55	65



Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm												Dimensions of track rail mm								Appended mounting bolt for track rail ⁽²⁾ mm	Basic dynamic load rating ⁽³⁾	Basic static load rating ⁽³⁾	Static moment rating ⁽³⁾		
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	d ₁	H ₂		H ₃	H ₅	W	H ₄	d ₃	d ₄	h	E	F	Bolt size × ℓ	C N	C ₀ N	T ₀ N · m	T _x N · m	T _y N · m	
—	LWH 55···B	○	5.30	15.5	70	17	43.5	140	116	12	183	95	132	194	14	17		14	—	53	41	16	23	20	60	120	M14×45	113 000	121 000	2 870	2 210 11 600	2 030 10 600	
—	LWHG 55	○	7.40								235		183.6	246														142 000	168 000	3 970	4 120 20 200	3 780 18 500	
—	LWH 65···B	○	12.3	22.2	90	18	53.5	170	142	14	229	110	164	239	16	23		20	—	63	48	18	26	22	75	150	M16×50	176 000	184 000	5 180	4 130 22 000	3 790 20 200	
—	LWHG 65	○	17.6								303		238.8	313														229 000	269 000	7 560	8 530 41 500	7 810 38 100	

Notes (1) Track rail lengths L are shown in Table 2.1 on page II – 93.
(2) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176.
(3) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.
Remark: The specifications of grease nipple are shown in Table 16 on page II – 104.



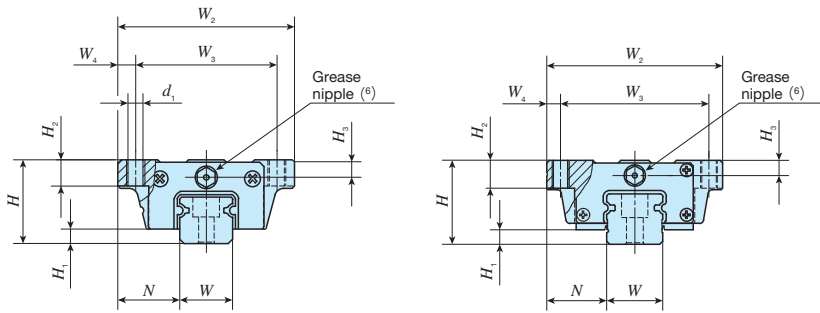
Example of identification number of assembled set

Model code	Dimensions	Part code	Model code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
LWH	G	55	C2 R1200	T1	P		/N
1	2	3	4	5	6	7	8

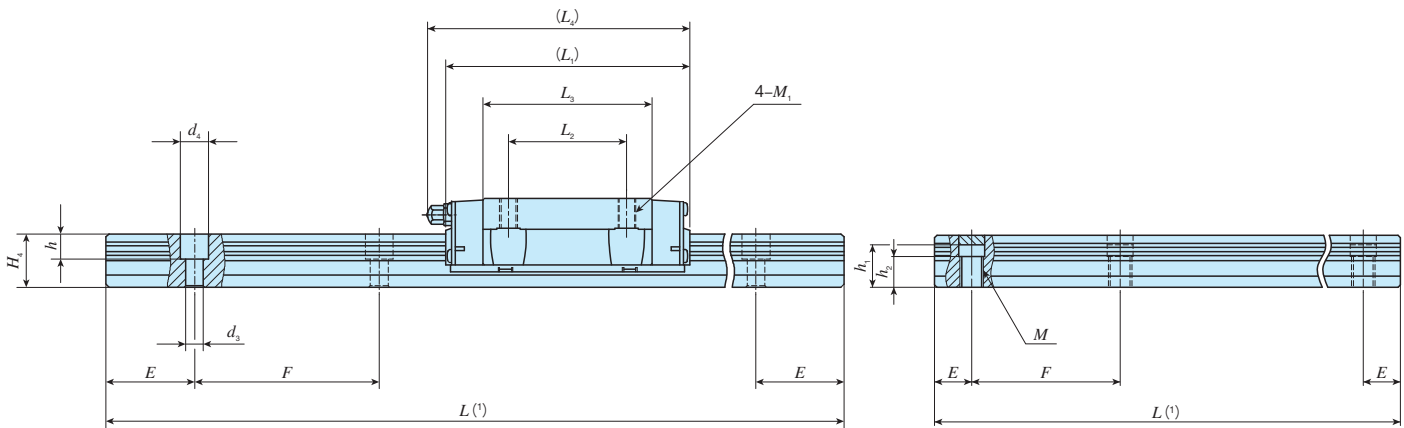
① Model LWH(···B) Flange type mounting from bottom.	③ Size 55, 65	⑥ Preload amount No symbol Standard T1 Light preload T2 Medium preload T3 Heavy preload	⑧ Interchangeable No symbol Non-interchangeable specification S1 S1 specification S2 S2 specification
② Length of slide unit No symbol Standard G Long	④ Number of slide unit (2)	⑦ Accuracy class H High P Precision SP Super precision	⑨ Special specification A, D, E, F, I, J, L, LF, MN N, PS, Q, T, V, W, Y, Z
⑤ Length of track rail (1,200 mm)			

Flange type mounting from top

Shape	MHT · LWHT					
Size	8	10	12	15	20	25
	30	35	45	55	65	



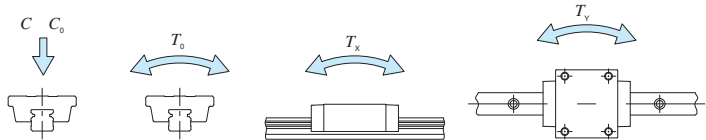
MHT 8 ...SL, LWHT 8 ...SL
MHT 10 ...SL, LWHT 10 ...SL
MHT 12 (...SL), LWHT 12 (...SL)
MHTG 15



Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm																				Dimensions of track rail mm								Appended mounting bolt for track rail ⁽⁴⁾ mm	Basic dynamic load rating ⁽⁵⁾	Basic static load rating ⁽⁵⁾	Static moment rating ⁽⁵⁾		
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	d ₁ ⁽²⁾	M ₁	H ₂	H ₃			W	H ₄	d ₃	d ₄	h	M	h ₁ ⁽³⁾	h ₂	E	F	Bolt size×ℓ	C N	C ₀ N	T ₀ N・m	T _x N・m	T _y N・m					
MHT 8…SL	LWHT 8…SL	○	0.015	0.32	10	2.1	8	24	19	2.5	24	10	15.3	—	1.9	M2.3	3.5	2			8	6	2.4	4.2	2.3	—	—	—	10	20	M2× 8	1 510	2 120	8.8	5.5 32.0	4.7 26.9					
MHT 10…SL	LWHT 10…SL	○	0.031	0.47	12	2.4	10	30	24	3	32	12	21.4	—	2.6	M3	4.5	2.5			10	7	3.5	6	3.5	—	—	—	12.5	25	M3× 8	2 640	3 700	19.2	13.3 73.8	11.1 61.9					
		○	0.032																																						
MHT 12	LWHT 12	○	0.108	0.86	19	3.2	14	40	32	4	46	15	31.6	50	3.4	M4	6	4			12	10.5	3.5	6	4.5	—	—	—	20	40	M3×12	6 260	8 330	51.6	44.7 237	37.5 199					
		○	0.11																																						
MHT 12…SL	LWHT 12…SL	○	0.108																																						
MHT 15	LWHT 15…B	○	0.22	1.47	24	4.5	16	47	38	4.5	66	30	44.2	69	—	M5	7	4.5			15	15	4.5	8	6	—	—	—	30	60	M4×16	11 600	13 400	112	95.6 556	95.6 556					
		○											44.6																												
MHT 15…SL	LWHT 15…SL	○											44.2																												
—	LWHT 15…M*	—											44.6																												
—	LWHT 15…MU*	—																																							
MHTG 15	—	○	0.29								82		60.1	85	4.4								4.5	8	6	—	—	—			M4×16	14 400	18 300	153	172 918	172 918					

Notes (1) Track rail lengths L are shown in Table 2.1 on page II-93, Table 2.2 on page II-94, and Tables 2.3 and 2.4 on page II-95.
(2) Series of size 8 to 12 and MHTG15 can also be mounted in upward direction.
(3) Choose bolts whose dimension allow fixing thread depth into track rail to be less than h_1 .
(4) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176. For stainless steel model, stainless steel bolts are appended.
In an assembled set of MH series and LWHT...MU model, track rail mounting bolts are not appended.
(5) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.
(6) Series of size 8 and 10 are provided with an oil hole. The specifications of oil holes are shown in Table 15 on page II-104.
The shapes of grease nipples of size 12 and 15 vary by size. The specifications are shown in Table 16 on page II-104.

Remark: The identification numbers with * are our semi-standard items.

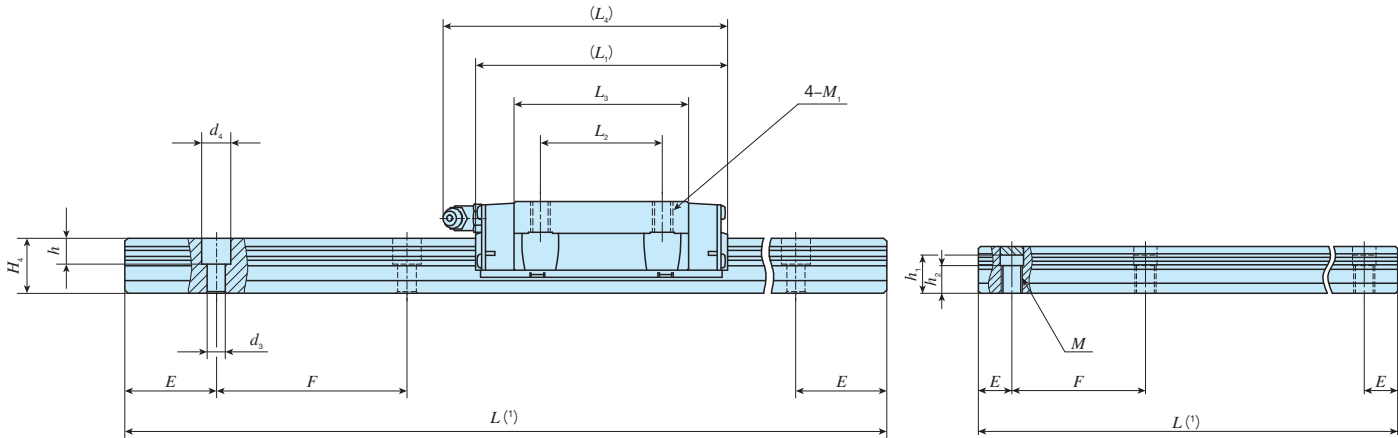
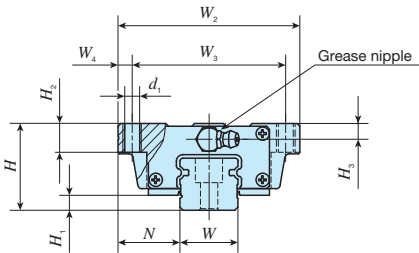


Example of identification number of assembled set

Model code	Dimensions	Part code	Model code	Dust protection code	Material code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code	
MHT	G	15	C2	R900		T₁	P		N	
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪
① Model				⑤ Length of track rail (900 mm)		⑧ Preload amount		⑩ Interchangeable		
MHT	Flange type mounting from top			⑥ Dust protection code		To Clearance		No symbol Non-interchangeable specification		
LWHT (...B)						No symbol Standard		S1 S1 specification		
② Length of slide unit				No symbol Standard specification		T1 Light preload		S2 S2 specification		
No symbol	Standard			M Ultra seal specification		T2 Medium preload				
G	Long			MU Ultra seal specification with track rail mounting from bottom		T3 Heavy preload				
③ Size				⑦ Material type		⑨ Accuracy class		⑪ Special specification		
8, 10, 12, 15				No symbol High carbon steel made		H High		A, BS, D, E, F, I, J, L, LF, MA		
④ Number of slide unit (2)				SL Stainless steel made		P Precision		MN, N, Q, RE, T, U, V, W, Y, Z		
						SP Super precision				

Flange type mounting from top

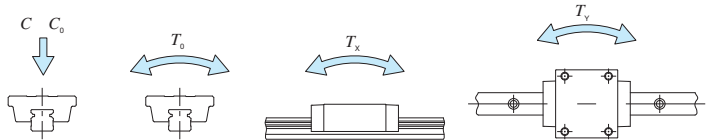
Shape	MHT · LWHT					
Size	8	10	12	15	20	25
	30	35	45	55	65	



Ultra seal specification with track rail mounting from bottom

Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm														Dimensions of track rail mm										Appended mounting bolt for track rail ⁽³⁾ mm	Basic dynamic load rating ⁽⁴⁾	Basic static load rating ⁽⁴⁾	Static moment rating ⁽⁴⁾																					
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	d ₁	M ₁	H ₂		H ₃	W	H ₄	d ₃	d ₄	h	M	h ₁ ⁽²⁾	h ₂	E	F	Bolt size× ℓ	C N				C ₀ N	T ₀ N・m	T _x N・m	T _y N・m																		
MHT 20		○	0.48	2.56	30	6	21.5	63	53	5	83	40	56	94	—	M6	10		5.5	20	18	6	9.5	8.5	—	—	—	30	60	M5×18	18 100	21 100	232	195 1 090	195 1 090																					
	LWHT 20-B	○											57.2																																											
MHT 20-SL		○											56																																											
	LWHT 20-SL	○				57.2																																																		
—	LWHT 20-M*	—				5																																																		
—	LWHT 20-MU*	—																																																						
MHTG 20		○	0.71		6					112		84.8	122								6	9.5	8.5	—	—	—			M5×18	24 100	31 700	349	421 2 140	421 2 140																						
	LWHTG 20	○										86																																												
MHT 25		○	0.70	3.50	36	8	23.5	70	57	6.5	95		63.9	105	—	M8	10		6.5	23	22	7	11	9	—	—	—	30	60	M6×22	25 200	28 800	362	309 1 690	309 1 690																					
	LWHT 25-B	○				6.5							64.7																																											
MHT 25-SL		○				8							63.9																																											
	LWHT 25-SL	○				64.7																																																		
MHT 25-M*		—				6.5																		45		63.9																														
	LWHT 25-M*	—																								64.7																														
MHT 25-MU*		—																								63.9																														
	LWHT 25-MU*	—																								64.7																														
MHTG 25		○	0.93		8						118		86.6	128								7	11	9	—	—	—			M6×22	30 800	38 300	483	533 2 740	533 2 740																					
	LWHTG 25	○			6.5								87.4																																											

Notes (1) Track rail lengths L are shown in Table 2.1 on page II - 93, Table 2.2 on page II - 94, and Tables 2.3 and 2.4 on page II - 95.
(2) Choose bolts whose dimension allow fixing thread depth into track rail to be less than h_1 .
(3) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176. For stainless steel model, stainless steel bolts are appended.
In an assembled set of MH series and LWHT...MU model, track rail mounting bolts are not appended.
(4) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.
Remarks 1. The specifications of grease nipple are shown in Table 16 on page II - 104.
2. The identification numbers with * are our semi-standard items.



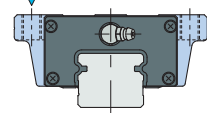
Example of identification number of assembled set

Model code	Dimensions	Part code	Model code	Dust protection code	Material code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
MHT	G	25	C2	R840			T1	P	N
1	2	3	4	5	6	7	8	9	10

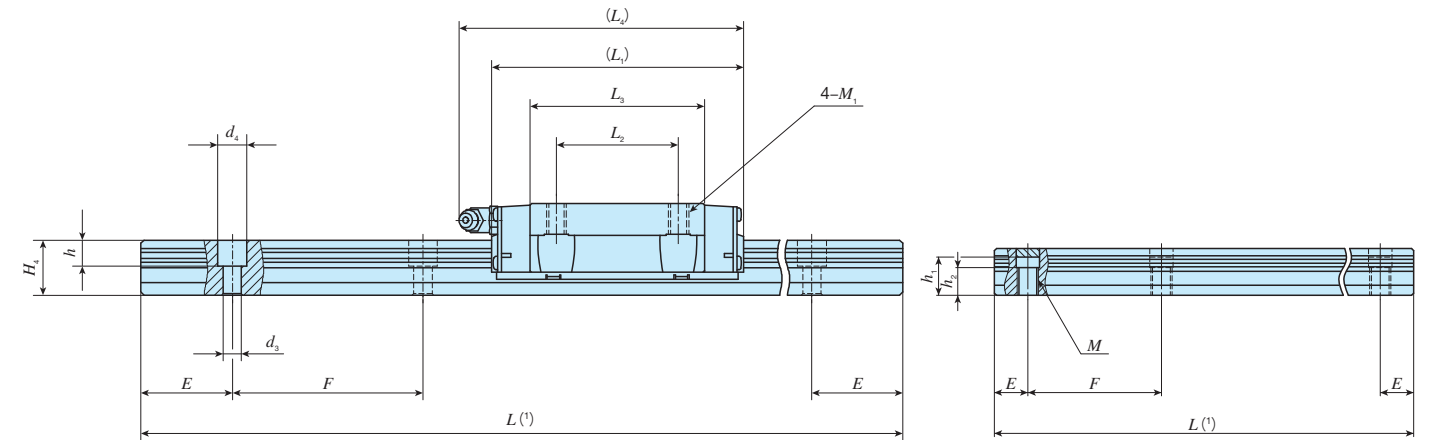
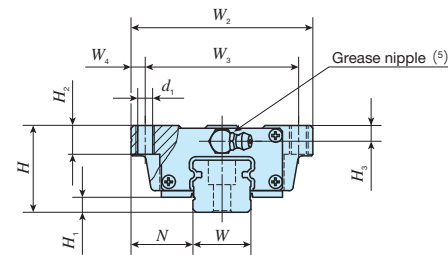
① Model MHT LWHT (...B)	⑤ Length of track rail (840 mm)	⑧ Preload amount No symbol Standard T1 Light preload T2 Medium preload T3 Heavy preload	⑩ Interchangeable No symbol Non-interchangeable specification S1 S1 specification S2 S2 specification
② Length of slide unit No symbol Standard G Long	⑥ Dust protection code No symbol Standard specification M Ultra seal specification MU Ultra seal specification with track rail mounting from bottom	⑨ Accuracy class H High P Precision SP Super precision	⑪ Special specification A, BS, D, E, F, I, J, L, LF, MA MN, N, PS, Q, RE, T, UR, V, W, Y, Z
③ Size 20, 25	⑦ Material type No symbol High carbon steel made SL Stainless steel made		
④ Number of slide unit (2)			

Flange type mounting from top

MHT • LWHT



Size	8	10	12	15	20	25
	30	35	45	55	65	



Ultra seal specification with track rail mounting from bottom

Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm												Dimensions of track rail mm										Appended mounting bolt for track rail ⁽³⁾ mm	Basic dynamic load rating ⁽⁴⁾	Basic static load rating ⁽⁴⁾	Static moment rating ⁽⁴⁾				
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	d ₁	M ₁	H ₂		H ₃	W	H ₄	d ₃	d ₄	h	M	h ₁ ⁽²⁾	h ₂	E	F				Bolt size×ℓ	C N	C ₀ N	T ₀ N·m	T _x N·m
MHT 30		○	1.28	4.82	42	9	31	90	72	9	113	52	80.6	123	—	M10	10		8	28	25	9	14	12	—	—	—	40	80	M 8×28	35 400	40 700	623	536 2 820	536 2 820		
	LWHT 30…B	○				7																															
MHT 30…SL		○				9																															
	LWHT 30…SL	○																																			
MHT 30…M*		—																																			
	LWHT 30…M*	—				7																															
MHT 30…MU*		—																																			
	LWHT 30…MU*	—																																			
MHTG 30		○	1.69			9					139	106.6	149									9	14	12	—	—	—	40	80	M 8×28	42 700	53 200	814	894 4 460	894 4 460		
	LWHTG30	○				7																															
MHT 35		○	1.79	6.85	48	10	33	100	82	9	123	62	86.2	135	—	M10	13		10	34	28	9	14	12	—	—	—	40	80	M 8×28	48 700	53 700	823	631 3 480	579 3 190		
	LWHT 35…B	○				8																															
—	LWHT 35…M*	—																																			
—	LWHT 35…MU*	—																																			
MHTG 35		○	2.35			10					151		114	163								9	14	12	—	—	—	40	80	M 8×28	59 500	71 600	1 100	1 090 5 570	1 000 5 110		
	LWHTG35	○				8																															

Notes (1) Track rail lengths L are shown in Table 2.1 on page II-93, Table 2.2 on page II-94, and Tables 2.3 and 2.4 on page II-95.

(2) Choose bolts whose dimension allow fixing thread depth into track rail to be less than h_1 .

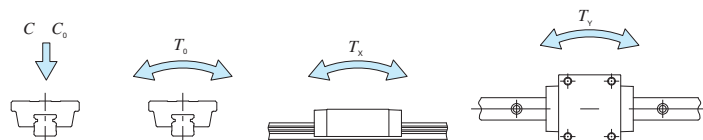
(3) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176. For stainless steel model, stainless steel bolts are appended.

In an assembled set of MH series and LWHT...MU model, track rail mounting bolts are not appended.

(4) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.

(5) The shapes of grease nipple vary by size. The specifications are shown in Table 16 on page II - 104.

Remark: The identification numbers with * are our semi-standard items.



Example of identification number of assembled set

Model code		Dimensions	Part code		Model code	Dust protection code	Material code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
<u>MHT</u>	<u>G</u>	<u>35</u>	<u>C2</u>	<u>R1040</u>	<u> </u>	<u> </u>	<u> </u>	<u>T₁</u>	<u>P</u>	<u> </u>	<u>N</u>
1	2	3	4	5	1	6	7	8	9	10	11

① Model	MHT LWHT(...B)	Flange type mounting from top
② Length of slide unit	No symbol G	Standard Long
③ Size	30, 35	
④ Number of slide unit	(2)	

⑤ Length of track rail (1,040 mm)	
⑥ Dust protection code	
No symbol	Standard specification
M	Ultra seal specification
MU	Ultra seal specification with track rail mounting from bottom
⑦ Material type	
No symbol	High carbon steel made
SL	Stainless steel made

⑧ Preload amount	
No symbol	Standard
T ₁	Light preload
T ₂	Medium preload
T ₃	Heavy preload

⑨ Accuracy class	
H	High
P	Precision
SP	Super precision

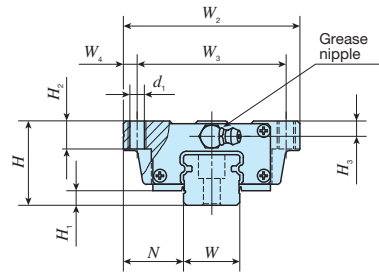
⑩ Interchangeable	
No symbol	Non-interchangeable specification
S1	S1 specification
S2	S2 specification

⑪ Special specification	
A, BS, D, E, F, I, J, L, LF, MA MN, N, PS, Q, RE, T, UR, V, W, Y, Z	

Flange type mounting from top

MHT • LWHT

Shape



Size

8	10	12	15	20	25
30	35	45	55	65	



MH • LWH

Notes (1) Track rail lengths L are shown in Table 2.1 on page II-93 and Tables 2.3 and 2.4 on page II-95.

(2) Choose bolts whose dimension allow fixing thread depth into track rail to be less than h_r .

(³) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176.

In an assembled set of MH series and LWHT...MU model, track rail mounting bolts are not appended.

⁽⁴⁾ The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.

Remarks 1. The specifications of grease nipple are shown in Table 16 on page II – 104.

2. The identification numbers with * are our semi-standard items.



Model code		Dimensions	Part code		Model code	Dust protection code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
<u>MHT</u>	<u>G</u>	<u>45</u>	<u>C2</u>	<u>R1260</u>	<u> </u>	<u> </u>	<u>T₁</u>	<u>P</u>	<u> </u>	<u>N</u>
1	2	3	4	5	1	6	7	8	9	10

① Model	
MHT	
LWHT(...B)	Flange type mounting from top

② Length of slide unit	
No symbol	Standard
G	Long

③ Size	45, 55, 65
--------	------------

④ Number of slide unit (2)

⑤ Length of track rail (1,260 mm)

⑥ Dust protection code	
No symbol	Standard specification

M	Ultra seal specification
MU	Ultra seal specification with track rail mounting from bottom

⑦ Preload amount

No symbol	Standard
T ₁	Light preload
T ₂	Medium preload
T ₃	Heavy preload

⑧ Accuracy class

H	High
P	Precision
SP	Super precision

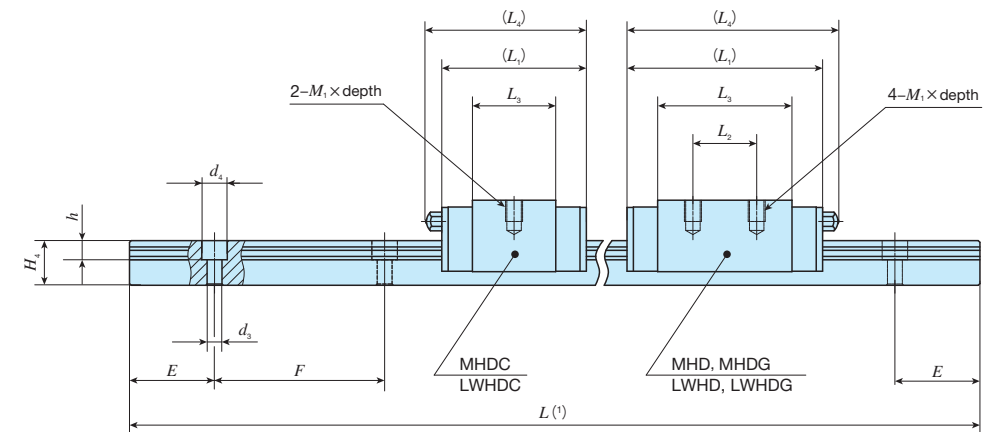
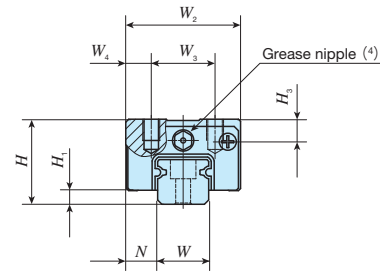
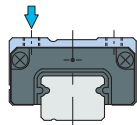
⑨ Interchangeable

No symbol	Non-interchangeable specification
S1	S1 specification
S2	S2 specification

⑩ Special specification
A, BS, D, E, F, I, J, L, LF, MA
MN, N, PS, Q, RE, T, V, W, Y, Z

Block type mounting from top

MHD • LWHD



Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm										Dimensions of track rail mm								Appended mounting bolt for track rail ⁽²⁾ mm	Basic dynamic load rating ⁽³⁾	Basic static load rating ⁽³⁾	Static moment rating ⁽³⁾																																																																					
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	M ₁ ×depth		H ₃	W	H ₄	d ₃	d ₄	h	E	F	Bolt size×ℓ	C N	C ₀ N	T ₀ N·m	T _x N·m	T _y N·m																																																																				
MHDC 8…SL	LWHDC 8…SL	○	0.008	0.32	11	2.1	4	16	10	3	18	—	9.0	—	M2 ×2.5		3	8	6	2.4	4.2	2.3	10	20	M2× 8	1 050	1 270	5.3	^{2.2} _{15.5}	^{1.8} _{13.0}																																																																				
MHD 8…SL	LWHD 8…SL	○	0.013								24	10	15.3													M2.6×3		3.5	10	7	3.5	6	3.5	12.5	25	M3× 8	1 510	2 120	8.8	^{5.5} _{32.0}	^{4.7} _{26.9}																																																									
MHDG 8…SL	LWHDG 8…SL	○	0.018								30.5		21.7																								1 910	2 970	12.3	^{8.8} _{55.4}	^{8.8} _{46.4}																																																									
MHDC 10…SL	LWHDC 10…SL	○	0.018	0.47	13	2.4	5	20	13	3.5	24	—	13.4	—	M2.6×3		3.5	10	7	3.5	6	3.5	12.5	25	M3× 8	1 920	2 350	12.2	^{5.8} _{37.1}	^{4.8} _{31.2}																																																																				
MHD 10…SL		○	0.026								32	12	21.4													M4 ×5		5	12	10.5	3.5	6	4.5	20	40	M3×12	2 640	3 700	19.2	^{13.3} _{73.8}	^{11.1} _{61.9}																																																									
	LWHD 10…SL	○	0.027								40		29.4																								6 260	8 330	51.6	^{44.7} ₂₃₇	^{37.5} ₁₉₉																																																									
MHDG 10…SL	LWHDG 10…SL	○	0.035																																																																																															
	LWHDG 10…SL	○	0.036																																																																																															
MHDC 12…SL		○	0.057	0.86	20	3.2	7.5	27	15	6	34	—	19.6	38	M4 ×5		5	12	10.5	3.5	6	4.5	20	40	M3×12	4 560	5 300	32.8	^{19.4} ₁₁₇	^{16.3} _{98.5}																																																																				
	LWHDC 12…SL	○	0.058								46	15	31.6	50												M4 ×5		5	12	10.5	3.5	6	4.5	20	40	M3×12	6 260	8 330	51.6	^{44.7} ₂₃₇	^{37.5} ₁₉₉																																																									
MHD 12		○	0.089																																							58	43.6	62	M4 ×5		5	12	10.5	3.5	6	4.5	20	40	M3×12	6 260	8 330	51.6	^{44.7} ₂₃₇	^{37.5} ₁₉₉																																						
	LWHD 12	○	0.091																																																										58	43.6	62	M4 ×5		5	12	10.5	3.5	6	4.5	20	40	M3×12	6 260	8 330	51.6	^{44.7} ₂₃₇	^{37.5} ₁₉₉																			
MHD 12…SL		○	0.089																																																																													58	43.6	62	M4 ×5		5	12	10.5	3.5	6	4.5	20	40	M3×12	6 260	8 330	51.6	^{44.7} ₂₃₇	^{37.5} ₁₉₉
	LWHD 12…SL	○	0.091																																																																																															
MHDG 12…SL		○	0.115	58	43.6	62	M4 ×5		5	12	10.5	3.5	6	4.5	20	40	M3×12	6 260	8 330	51.6	^{44.7} ₂₃₇	^{37.5} ₁₉₉																																																																												
	LWHDG 12…SL	○	0.118																																																																																															

Notes (1) Track rail lengths L are shown in Table 2.1 on page II – 93 and Table 2.2 on page II – 94.

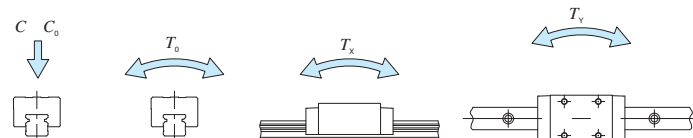
(2) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176. For stainless steel model, stainless steel bolts are appended.

In an assembled set of MH series, track rail mounting bolts are not appended.

⁽³⁾ The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.

(4) Series of size 8 and 10 are provided with an oil hole. The specifications of oil holes are shown in Table 15 on page II – 104.

The specification of grease nipple for size 12 is shown in Table 16 on page II – 104.



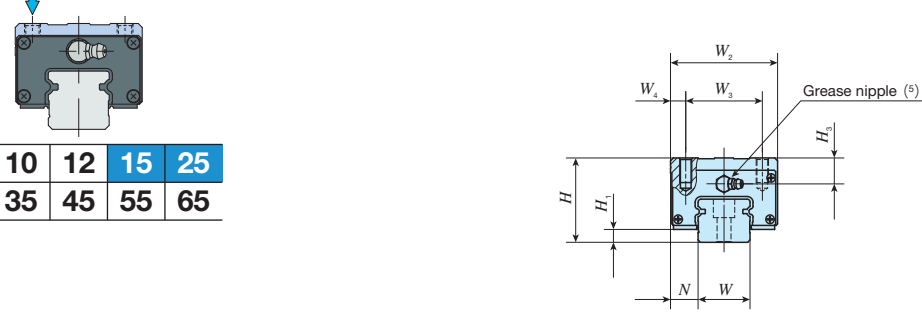
Example of identification number of assembled set

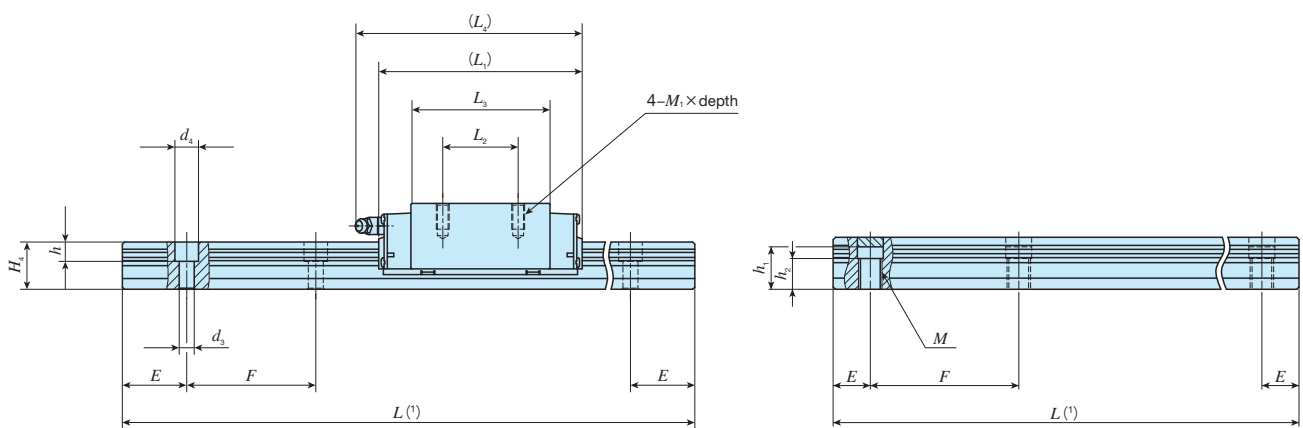
Model code		Dimensions	Part code		Material code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
<u>MHD</u>	<u>G</u>	<u>12</u>	<u>C2</u>	<u>R320</u>	<u>SL</u>	<u>T₁</u>	<u>P</u>	<u>—</u>	<u>N</u>
1	2	3	4	5	6	7	8	9	10

① Model		④ Number of slide unit (2)		⑦ Preload amount		⑨ Interchangeable	
MHD	Block type mounting from top	⑤ Length of track rail (320 mm)		To	Clearance	No symbol	Non-interchangeable specification
LWHD				No symbol	Standard	S1	S1 specification
② Length of slide unit		⑥ Material type		T1	Light preload	S2	S2 specification
C	Short			⑧ Accuracy class		⑩ Special specification	
No symbol	Standard	No symbol	High carbon steel made	H	High	A, D, E, F, I, LR, MA MN, N, Q, U, W, Y	
G	Long	SL	Stainless steel made	P	Precision		
③ Size							
8, 10, 12							

IKO C-Lube Linear Way MH

Block type mounting from top

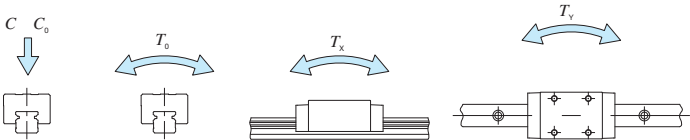
Shape	MHD · LWHD				
					
Size	8	10	12	15	25
	30	35	45	55	65



Ultra seal specification with track rail mounting from bottom

Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm										Dimensions of track rail mm										Appended mounting bolt for track rail ⁽³⁾ mm	Basic dynamic load rating ⁽⁴⁾ C N	Basic static load rating ⁽⁴⁾ C ₀ N	Static moment rating ⁽⁴⁾ T ₀ N · m			T _x N · m	T _y N · m
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	M ₁ ×depth		H ₃	W	H ₄	d ₃	d ₄	h	M	h ₁ ⁽²⁾	h ₂	E	F				Bolt size×ℓ				
MHD 15		○	0.23	1.47	28	4.5	9.5	34	26	4	66	26	44.2	69	M4×10		8.5	15	15	4.5	8	6	—	—	—	30	60	M4×16	11 600	13 400	112	95.6 556	95.6 556		
—	LWHD 15…B	○											44.6																						
—	LWHD 15…M*	—											44.6																						
	LWHD 15…MU*	—																				M 6	12	9			—								
MHD 25		○	0.65	3.50	40	8	12.5	48	35	6.5	95	35	63.9	105	M6×12		10.5	23	22	7	11	9	—	—	—	30	60	M6×22	25 200	28 800	362	309 1 690	309 1 690		
	LWHD 25…B	○				64.7																													
MHD 25…M*		—				63.9																													
	LWHD 25…M*	—				64.7																													
MHD 25…MU*		—				63.9																													
	LWHD 25…MU*	—				64.7																													
MHDG 25		○	0.80			8							86.6															M6×22	30 800	38 300	483	533 2 740	533 2 740		
	LWHDG 25	○				6.5							118																					50	87.4
MHD 30		○	1.12	4.82	45	9	16	60	40	10	113	40	80.6	123	M8×16		11	28	25	9	14	12	—	—	—	40	80	M8×28	35 400	40 700	623	536 2 820	536 2 820		
	LWHD 30…B	○																																	
MHD 30…M*		—				7																													
	LWHD 30…M*	—																																	
MHD 30…MU*		—																																	
	LWHD 30…MU*	—																																	
MHDG 30		○	1.44			9							139	60	106.6	149												M8×28	42 700	53 200	814	894 4 460	894 4 460		
	LWHDG 30	○				7																													

Notes (1) Track rail lengths L are shown in Table 2.1 on page II-93 and Tables 2.3 and 2.4 on page II-95.
(2) Choose bolts whose dimension allow fixing thread depth into track rail to be less than h_1 .
(3) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176.
In an assembled set of MH series and LWHD...MU model, track rail mounting bolts are not appended.
(4) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.
(5) The shapes of grease nipple vary by size. The specifications are shown in Table 16 on page II-104.
Remark: The identification numbers with * are our semi-standard items.



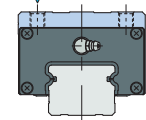
Example of identification number of assembled set

Model code	Dimensions	Part code	Model code	Dust protection code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
MHD	G	25	C2	R840		T1	P	N
1	2	3	4	5	6	7	8	9

① Model MHD LWHD(...B) Block type mounting from top	④ Number of slide unit (2)	⑦ Preload amount No symbol Standard T1 Light preload T2 Medium preload T3 Heavy preload	⑩ Interchangeable No symbol Non-interchangeable specification S1 S1 specification S2 S2 specification
② Length of slide unit No symbol Standard G Long	⑤ Length of track rail (840 mm)	⑧ Accuracy class H High P Precision SP Super precision	⑨ Special specification A, BS, D, E, F, I, J, L, LF, MA MN, N, PS, Q, RE, T, UR, V, W, Y, Z
③ Size 15, 25, 30	⑥ Dust protection code No symbol Standard specification M Ultra seal specification MU Ultra seal specification with track rail mounting from bottom		

Block type mounting from top

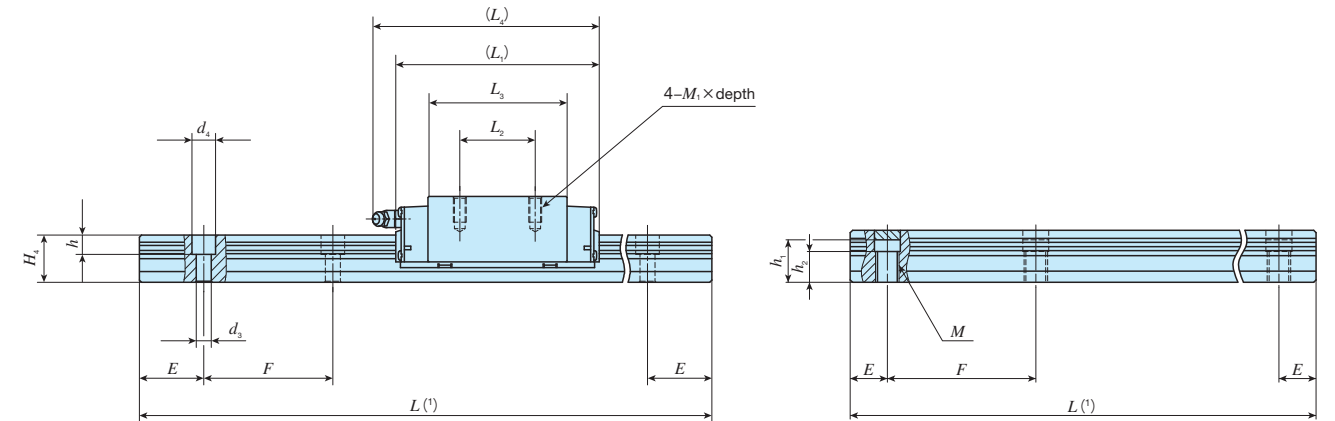
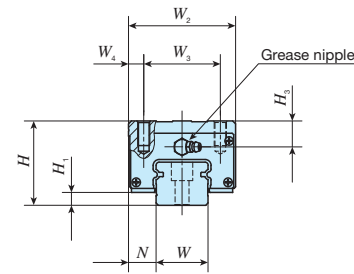
MHD • LWHD



Shape

Size

8	10	12	15	25
30	35	45	55	65



Ultra seal specification with track rail mounting from bottom

Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm										Dimensions of track rail mm										Appended mounting bolt for track rail ⁽³⁾ mm	Basic dynamic load rating ⁽⁴⁾ C N	Basic static load rating ⁽⁴⁾ C ₀ N	Static moment rating ⁽⁴⁾			
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	M ₁ ×depth		H ₃	W	H ₄	d ₃	d ₄	h	M	h ₁ (²)	h ₂	E	F				Bolt size×ℓ	T ₀ N・m	T _x N・m	T _y N・m
MHD 35		○	1.74	6.85	55	10	18	70	50	10	123	50	86.2	135	M 8×16		17	34	28	9	14	12	—	—	—	40	80	M 8×28	48 700	53 700	823	631 3 480	579 3 190	
—	LWHD 35--B	○				8														151	72	114	163	—	—									—
—	LWHD 35--M*	—																						9	14			12	—	—	—	M12	23	16
—	LWHD 35--MU*	—	2.26			10					151	72	114	163															M 8×28	59 500	71 600	1 100	1 090 5 570	1 000 5 110
MHDG 35		○				8																												
—	LWHDG35	○																																
MHD 45		○	3.30	10.7	70	13	20.5	86	60	13	147	60	103.4	158	M10×20		23	45	34	14	20	17	—	—	—	52.5	105	M12×35	74 600	80 200	1 610	1 150 6 190	1 060 5 690	
—	LWHD 45--B	○				14														14	20	17	—	—	—									M12
—	LWHD 45--M*	—				10														—	—	—	M16	29	17			M12×35						
—	LWHD 45--MU*	—																																
MHDG 45		○	4.57			13					190	80	146.6	201															M12×35	95 200	114 000	2 280	2 240 11 100	2 050 10 200
—	LWHDG45	○				14																												
—	LWHD 55--B	○	5.36	15.5	80	17	23.5	100	75	12.5	183	75	132	194	M12×25		24	53	41	16	23	20	—	—	—	60	120	M14×45	113 000	121 000	2 870	2 210 11 600	2 030 10 600	
—	LWHDG55	○	7.20								235	95	183.6	246						16	23	20	—	—	—				M14×45	142 000	168 000	3 970	4 120 20 200	3 780 18 500
—	LWHD 65--B	○	9.80								222	90	164	239						16	23	20	—	—	—			M16×50		176 000	184 000	5 180	4 130 22 000	3 790 20 200
—	LWHDG65	○	14.3	303	120	238.8	313	20	63	48	18	26	22	—	—	—	75	150	M16×50	229 000	269 000	7 560	8 530 41 500	7 810 38 100										

Notes (1) Track rail lengths L are shown in Table 2.1 on page II – 93 and Tables 2.3 and 2.4 on page II – 95.

(2) Choose bolts whose dimension allow fixing thread depth into track rail to be less than h_1 .

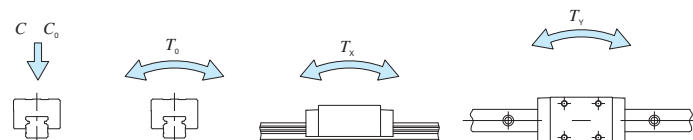
(3) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176.

In an assembled set of MH series and LWHD...MU model, track rail mounting bolts are not appended.

(4) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.

Remarks 1. The specifications of grease nipple are shown in Table 16 on page II – 104.

2. The identification numbers with * are our semi-standard items.



Example of identification number of assembled set

Model code		Dimensions	Part code		Model code	Dust protection code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
<u>MHD</u>	<u>G</u>	<u>45</u>	<u>C2</u>	<u>R1260</u>	<u> </u>	<u> </u>	<u>T₁</u>	<u>P</u>	<u> </u>	<u>N</u>
1	2	3	4	5	1	6	7	8	9	10

① Model	
MHD	Block type mounting from top
LWHD(...B)	
② Length of slide unit	
No symbol	Standard
G	Long
③ Size	
	35 45 55 65

④	Number of slide unit (2)
⑤	Length of track rail (1,260 mm)
⑥	Dust protection code
No symbol	Standard specification
M	Ultra seal specification
MU	Ultra seal specification with track rail mounting from bottom

⑦ Preload amount	
No symbol	Standard
T ₁	Light preload
T ₂	Medium preload
T ₃	Heavy preload

⑧ Accuracy class	
H	High
P	Precision
SP	Super precision

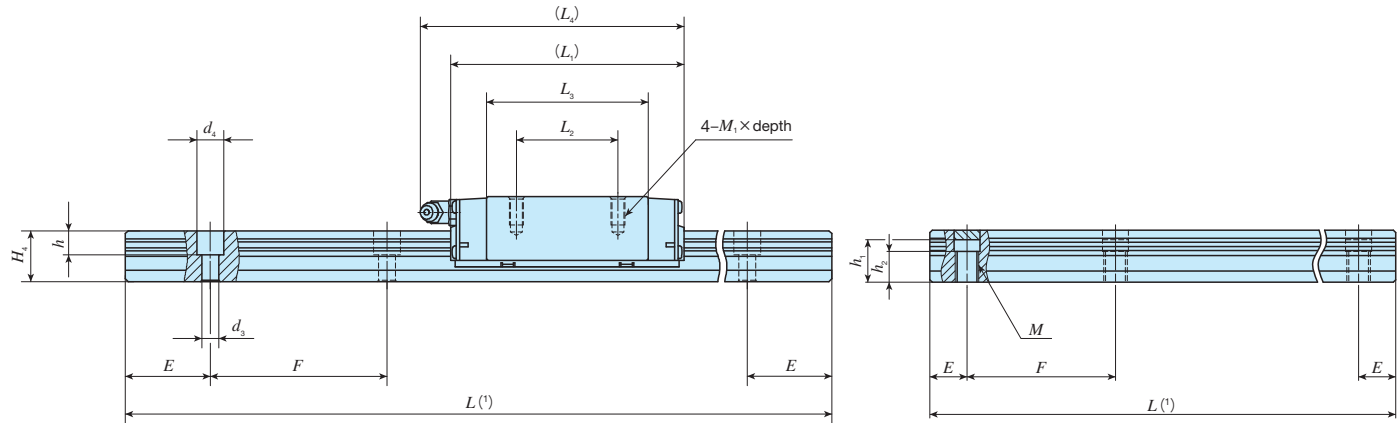
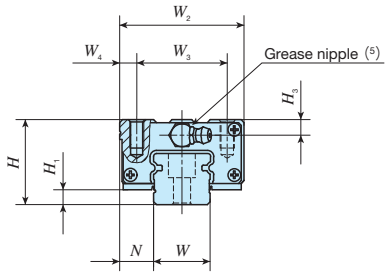
⑨ Interchangeable	
No symbol	Non-interchangeable specification
S1	S1 specification
S2	S2 specification

⑩ Special specification
A, D, E, F, I, J, L, LF, MA MN, N, PS, Q, T, V, W, Y, Z

IKO C-Lube Linear Way MH

Compact block type mounting from top

Shape	MHS · LWHS			
Size	15	20	25	30

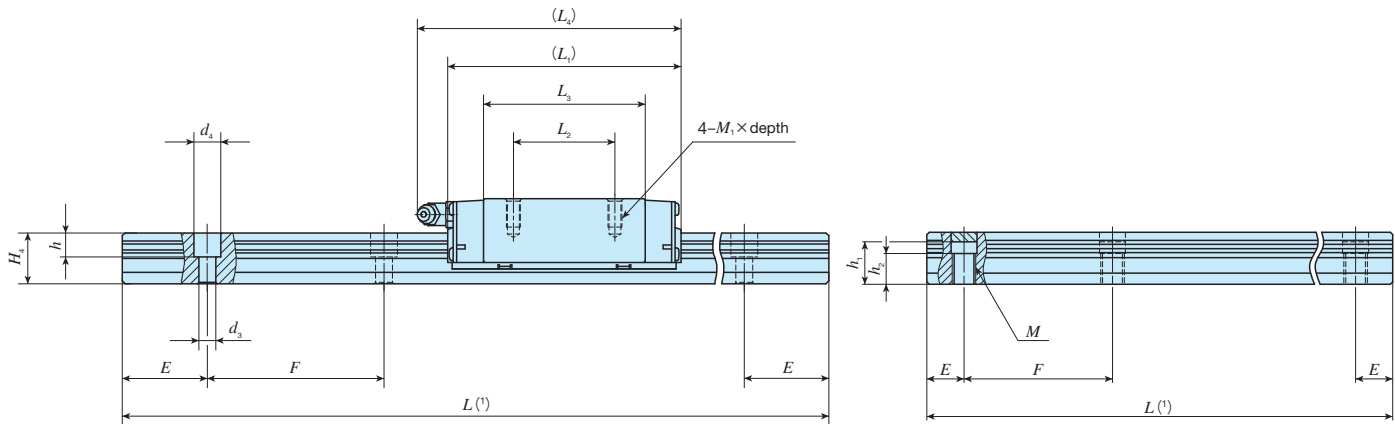
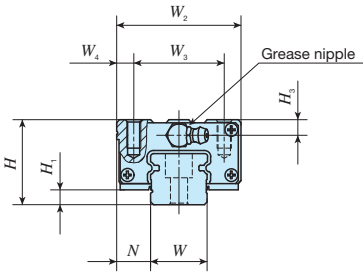


Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm										Dimensions of track rail mm										Appended mounting bolt for track rail ⁽³⁾ mm	Basic dynamic load rating ⁽⁴⁾	Basic static load rating ⁽⁴⁾	Static moment rating ⁽⁴⁾		
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	M ₁ ×depth		H ₃	W	H ₄	d ₃	d ₄	h	M	h ₁ ⁽²⁾	h ₂	E	F				Bolt size×ℓ	C N	C ₀ N
MHS 15		○	0.18	1.47	24	4.5	9.5	34	26	4	66	26	44.2	69	M4× 8		4.5	15	15	4.5	8	6	—	—	—	30	60	M4×16	11 600	13 400	112	95.6 556	95.6 556
	LWHS 15-B	○											44.6																				
MHS 15-SL		○											44.2																				
	LWHS 15-SL	○											44.6																				
—	LWHS 15-M*	—																															
—	LWHS 15-MU*	—																															
MHSG 15	—	○	0.25							82		60.1	85							4.5	8	6	—	—	—								
MHS 20		○	0.36	2.56	30	6	12	44	32	6	83	36	56	94	M5×10		5.5	20	18	6	9.5	8.5	—	—	—	30	60	M5×18	18 100	21 100	232	195 1 090	195 1 090
	LWHS 20-B	○											57.2																				
MHS 20-SL		○											56																				
	LWHS 20-SL	○											57.2																				
—	LWHS 20-M*	—																															
—	LWHS 20-MU*	—																															
MHSG 20		○	0.53			6				112	50	84.8	122							6	9.5	8.5	—	—	—			M5×18	24 100	31 700	349	421 2 140	421 2 140
	LWHS 20-MU*	—										86																					
	LWHS 20-MU*	—																															
	LWHS 20-MU*	—																															
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IKO C-Lube Linear Way MH

Compact block type mounting from top

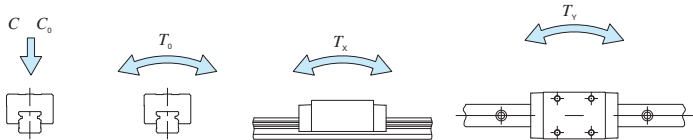
Shape	MHS · LWHS			
Size	15	20	25	30



Ultra seal specification with track rail mounting from bottom

Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm										Dimensions of track rail mm										Appended mounting bolt for track rail ⁽³⁾ mm	Basic dynamic load rating ⁽⁴⁾	Basic static load rating ⁽⁴⁾	Static moment rating ⁽⁴⁾			
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H ₁	N	W ₂	W ₃	W ₄	L ₁	L ₂	L ₃	L ₄	M ₁ ×depth		H ₃	W	H ₄	d ₃	d ₄	h	M	h ₁ ⁽²⁾	h ₂	E	F				Bolt size×ℓ	C N	C ₀ N	T ₀ N·m
MHS 25		○	0.55	3.50	36	8	12.5	48	35	6.5	95	35	63.9	105	M6×12		6.5	23	22	7	11	9	—	—	—	30	60	M6×22	25 200	28 800	362	309 1 690	309 1 690	
	LWHS 25--B	○				6.5							64.7																					
MHS 25--SL		○				8							63.9																					
	LWHS 25--SL	○											64.7																					
MHS 25--M*		—											63.9																					
	LWHS 25--M*	—				6.5							64.7																					
MHS 25--MU*		—											63.9									M10	18	13										
	LWHS 25--MU*	—											64.7																					
MHSG 25		○	0.67			8						118	50	86.6	128					7	11	9	—	—	—			M6×22	30 800	38 300	483	533 2 740	533 2 740	
	LWHS 25	○				6.5								87.4																				
MHS 30		○	1.00	4.82	42	9	16	60	40	10	113	40	80.6	123	M8×16		8	28	25	9	14	12	—	—	—	40	80	M8×28	35 400	40 700	623	536 2 820	536 2 820	
	LWHS 30--B	○				7																												
MHS 30--SL		○				9																												
	LWHS 30--SL	○																																
MHS 30--M*		—																																
	LWHS 30--M*	—				7																												
MHS 30--MU*		—																					M12	20	13									
	LWHS 30--MU*	—																																
MHSG 30		○	1.29			9						139	60	106.6	149					9	14	12	—	—	—			M8×28	42 700	53 200	814	894 4 460	894 4 460	
	LWHS 30	○				7																												

Notes (1) Track rail lengths L are shown in Table 2.1 on page II-93, Table 2.2 on page II-94, and Tables 2.3 and 2.4 on page II-95.
(2) Choose bolts whose dimension allow fixing thread depth into track rail to be less than h_1 .
(3) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176. For stainless steel model, stainless steel bolts are appended.
In an assembled set of MH series and LWHS···MU model, track rail mounting bolts are not appended.
(4) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.
Remarks 1. The specifications of grease nipple are shown in Table 16 on page II-104.
2. The identification numbers with * are our semi-standard items.

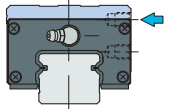


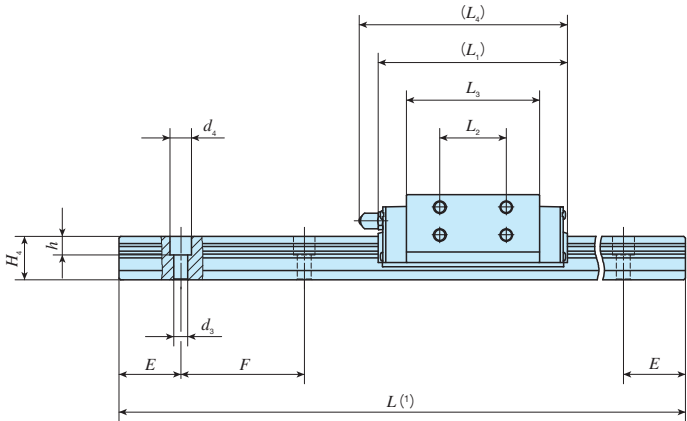
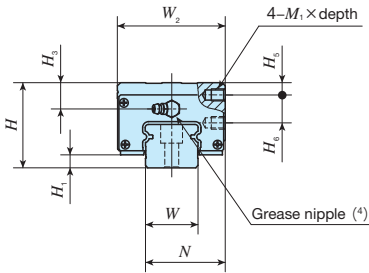
Example of identification number of assembled set

Model code	Dimensions	Part code	Model code	Dust protection code	Material code	Preload symbol	Classification symbol	Interchangeable code	Supplemental code
MHS	G	30	C2	R480			T1	P	N
1	2	3	4	5	6	7	8	9	10

① Model MHS LWHS(···B)	⑤ Length of track rail (480 mm) ⑥ Dust protection code No symbol Standard specification M Ultra seal specification MU Ultra seal specification with track rail mounting from bottom	⑧ Preload amount No symbol Standard T1 Light preload T2 Medium preload T3 Heavy preload	⑩ Interchangeable No symbol Non-interchangeable specification S1 S1 specification S2 S2 specification
② Length of slide unit No symbol Standard G Long	⑦ Material type No symbol High carbon steel made SL Stainless steel made	⑨ Accuracy class H High P Precision SP Super precision	⑪ Special specification A, BS, D, E, F, I, J, L, LF, MA MN, N, PS, Q, RE, T, UR, V, W, Y, Z

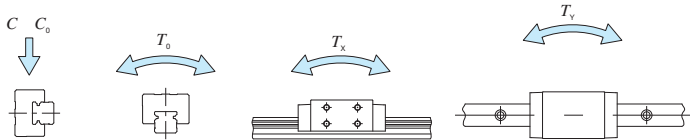
IKO C-Lube Linear Way MH

Side mounting type			
Shape	LWHY		
			
Size	15	20	25
	30	35	45



Identification number		Interchangeable	Mass (Ref.)		Dimensions of assembly mm			Dimensions of slide unit mm										Dimensions of track rail mm						Appended mounting bolt for track rail (2) mm	Basic dynamic load rating (3) C N	Basic static load rating (3) C0 N	Static moment rating (3)		
MH series	LWH series (No C-Lube)		Slide unit kg	Track rail kg/m	H	H1	N	W2	L1	L2	L3	L4	M1 x depth	H3	H5	H6	W	H4	d3	d4	h	E	F				T0 N · m	Tx N · m	Ty N · m
—	LWHY 15*	—	0.23	1.47	28	4.5	24.3	34	66	18	44.6	69	M 4 × 4	8.5	4	9	15	15	4.5	8	6	30	60	M 4 × 16	11 600	13 400	112	95.6 556	95.6 556
—	LWHY 20*	—	0.36	2.56	30	6	31.5	43.7	83	25	57.2	94	M 5 × 5	5.5	4	10	20	18	6	9.5	8.5	30	60	M 5 × 18	18 100	21 100	232	195 1 090	195 1 090
—	LWHY 25*	—	0.65	3.50	40	6.5	35	47.7	95	30	64.7	105	M 6 × 6	10.5	6	12	23	22	7	11	9	30	60	M 6 × 22	25 200	28 800	362	309 1 690	309 1 690
—	LWHY 30*	—	1.12	4.82	45	7	43.5	59.7	113	40	80.6	123	M 6 × 7	11	8	14	28	25	9	14	12	40	80	M 8 × 28	35 400	40 700	623	536 2 820	536 2 820
—	LWHY 35*	—	1.74	6.85	55	8	51.5	69.7	123	43	86.2	135	M 8 × 9	17	8	18	34	28	9	14	12	40	80	M 8 × 28	38 000	41 900	823	631 3 480	579 3 190
—	LWHY 45*	—	3.30	10.7	70	14	65	85.7	147	55	103.4	158	M10 × 11	23	10	22	45	34	14	20	17	52.5	105	M12 × 35	58 300	62 600	1 610	1 150 6 190	1 060 5 690

Notes (1) Track rail lengths L are shown in Table 2.1 on page II-93.
(2) The appended track rail mounting bolts are hexagon socket head bolts equivalent to JIS B 1176.
(3) The direction of basic dynamic load rating (C), basic static load rating (C_0), and static moment rating (T_0 , T_x , T_y) are shown in the sketches below. The upper values of T_x and T_y are for one slide unit and the lower values are for two slide units in close contact.
(4) The shapes of grease nipple vary by size. The specifications are shown in Table 16 on page II-104.
Remark: The identification numbers with * are our semi-standard items.



Example of identification number of assembled set

Model code	Dimensions	Part code	Preload symbol	Classification symbol	Supplemental code
LWHY	30	C2 R480	T1	P	/N
1	2	3	4	5	6
7					
① Model LWHY Side mounting type		⑤ Preload amount No symbol Standard T1 Light preload T2 Medium preload T3 Heavy preload		⑦ Special specification A, E, F, I, L, LF, MA, N, PS, RE, Y, Z	
② Size 15, 20, 25, 30, 35, 45		⑥ Accuracy class H High P Precision SP Super precision			
③ Number of slide unit (2)					
④ Length of track rail (480 mm)					