

Model Number Coding

Model number configurations differ depending on the model features. Refer to the corresponding sample model number configuration.

LM Guide

- Models SHS, SSR, SVR/SVS, SHW, HSR, SR, NR-X/NRS-X, NR/NRS, HRW, JR, NSR-TBC, HSR-M1, SR-M1, and HSR-M2

SHS25	LC	2	QZ	KKHH	C0	F	S	+1240L	P	Z	T	F	S	-II
Model No.	Type of LM block	With QZ Lubricator	Contamination protection accessory symbol (*1)				LM rail length (in mm)		Symbol for LM rail jointed use				Symbol for No. of rails used on the same plane (*5)	
	No. of LM blocks used on the same rail	Radial clearance symbol (*2)	Normal (No symbol) Light preload (C1) Medium preload (C0)	LM block special feature symbol Standard (No Symbol)/E/S	LM block with surface treatment (*3)	Accuracy symbol (*4) Normal grade (No Symbol) High accuracy grade (H) Precision grade (P) Super precision grade (SP) Ultra precision grade (UP)		With steel tape	LM rail special feature symbol Standard (No Symbol)/E/S	LM rail with surface treatment (*3)				

(*1) See contamination protection accessory on **A1-545**. (*2) See **A1-73**.
(*3) See **B0-20**. (*4) See **A1-78**. (*5) See **A1-13**.

Note1) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)
Grease nipples are not installed when there is a QZ Lubricator. Contact THK if you want to use a grease nipple for a model with a QZ.

Note2) Contact THK for details about the special features of LM blocks and LM rails.

● Model EPF

EPF7M	16	+55L	P	M
Model No.	LM rail length (in mm)		Rail material: Stainless steel (standard)	
	Guaranteed stroke (in mm)		Accuracy symbol (*1)	

(*1) See **A1-88**.

Note) This model number indicates that a single-rail unit constitutes one set.

Roller Type LM Guide

● Models SRG, SRN, SRW, and HRX

SRG45	LC	2	QZ	TTHH	C0	F	S	+1200L	P	Z	T	F	S	-II
Model No.	Type of LM block	With QZ Lubricator	Contamination protection accessory symbol (*1)	LM rail length (in mm)	LM block special feature symbol Standard (No Symbol)/E/S	LM block with surface treatment (*3)	LM rail length (in mm)	Accuracy symbol (*4) High accuracy grade (H) Precision grade (P) Super precision grade (SP) Ultra precision grade (UP)	Symbol for LM rail jointed use	With plate cover	Symbol for No. of rails used on the same plane (*5)	LM rail special feature symbol Standard (No Symbol)/E/S	LM rail with surface treatment (*3)	
No. of LM blocks used on the same rail	Radial clearance symbol (*2) Normal (No symbol) Light preload (C1) Medium preload (C0) Heavy preload (CN1) Super heavy preload (CN2)													

(*1) See contamination protection accessory on **A1-545**. (*2) See **A1-73**.
(*3) See **B0-20**. (*4) See **A1-78**. (*5) See **A1-13**.

Note1) Models SRG15 to 65 are available in High Accuracy grade and above. Other models are only available in Precision grade and above. (Normal grade is not available.)

Model SRN is available in High Accuracy grade and above. (Normal grade is not available.)

Model SRW is available in precision grade and above. (Normal and high accuracy grade are not available.)

The Model HRX is only available in High Accuracy grade and Precision grade.

Note2) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)

Grease nipples are not installed when there is a QZ Lubricator. Contact THK if you want to use a grease nipple for a model with a QZ.

Note3) Contact THK for details about the special features of LM blocks and LM rails.

Miniature LM Guide

● Models SRS, RSX, RSR, RSX-M1, and RSR-M1

2	SRS20M	QZ	UU	C1	F	S	+220L	P	M	F	S	-II
Model No.	With QZ Lubricator	Contamination protection accessory symbol (*2)	LM rail length (in mm)	Stainless steel LM rail	Symbol for No. of rails used on the same plane (*6)	LM block special feature symbol Standard (No Symbol)/E/S	LM block with surface treatment (*4)	Accuracy symbol (*5) Normal grade (No Symbol) LM rail High accuracy grade (H) Precision grade (P)	LM rail with surface treatment (*4)	LM rail special feature symbol Standard (No Symbol)/E/S		
No. of LM blocks used on the same rail (*1)	Radial clearance symbol (*3) Normal (No symbol) Light preload (C1)											

(*1) No symbol for 1 LM block. (*2) See contamination protection accessories on **A1-545**.
(*3) See **A1-73**. (*4) See **B0-20**. (*5) See **A1-78**. (*6) See **A1-13**.

Note1) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)

Grease nipples are not installed when there is a QZ Lubricator. Contact THK if you want to use a grease nipple for a model with a QZ.

Note2) Contact THK for details about the special features of LM blocks and LM rails.

Cross LM Guide

● Models SCR, CSR, and MX

4	SCR25	QZ	KKHH	C0	+1240/1000L	P
Model No.	Contamination protection accessory symbol (*1)	LM rail length on the X axis (in mm)	LM rail length on the Y axis (in mm)			
Total No. of LM blocks	With QZ Lubricator	Radial clearance symbol (*2) Normal (No symbol)/Light preload (C1) Medium preload (C0)	Accuracy symbol (*3) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP)			

(*1) See contamination protection accessory on **A1-545**. (*2) See **A1-73**. (*3) See **A1-78**.

Note) Grease nipples are not installed when there is a QZ Lubricator. Contact THK if you want to use a grease nipple for a model with a QZ.

Separate Type LM Guide

● Model HR

2 HR2555 UU M +1000L P T M

Model No.	Contamination protection accessory symbol (*1)	LM rail length (in mm)	Symbol for LM rail jointed use	Stainless steel LM rail
No. of LM blocks used on the same rail	Stainless steel LM block	Accuracy symbol (*2)	Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P) Super precision grade (SP)/Ultra precision grade (UP)	

(*1) See contamination protection accessory on **A1-545**. (*2) See **A1-78**.

Note) One set of model HR means a combination of two LM rails and LM blocks used on the same plane.

● Model GSR

- Combination of LM rail and LM block

GSR25 T 2 UU +1060L H T K

Model No.	Type of LM block	Contamination protection accessory symbol (*1)	LM rail length (in mm)	Symbol for LM rail jointed use	Symbol for tapped-hole LM rail type
No. of LM blocks used on the same rail	Accuracy symbol (*2)	Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P)			

(*1) See contamination protection accessory on **A1-545**. (*2) See **A1-78**.

Note) One set of model GSR: This model number indicates that a single-rail unit constitutes one set.

- LM block

GSR25 T UU

Model number	Contamination protection accessory symbol (*1)
Type of LM block	

- LM rail

GSR25 -1060L H K

Model number	LM rail length (in mm)	Symbol for tapped-hole LM rail type
Accuracy symbol (*2)	Normal grade (No Symbol) High accuracy grade (H) Precision grade (P)	

(*1) See contamination protection accessory on **A1-545**. (*2) See **A1-78**.

Curved Guide

● Model HCR

HCR25A 2 UU C1 +60 / 1000R H 6 T

Model No.	Contamination protection accessory symbol (*1)	R-Guide center angle	LM rail radius (in mm)	Symbol for LM rail jointed use (*5)
No. of LM blocks used on the same rail	Radial clearance symbol (*2)	Accuracy symbol (*3)	Number of LM rail joints used on one axis (*4)	
	Normal (No symbol)/Light preload (C1)	Normal grade (No Symbol)/High accuracy grade (H)		

(*1) See **A1-545** (contamination protection accessories). (*2) See **A1-73**. (*3) See **A1-78**.

(*4) Number of LM rails used for one arc. Contact THK for details.

(*5) When using joined LM rails for models HCR15 to 65, the end seal utilized for contamination protection options will be a low-resistance end seal.

Straight-and-Curved Guide

● Model HMG

When 2 rails are used						
HMG15A 2 UU C1 +1000L T + 60/150R 6T + 60/300R 6T - II						
Model No.	Contamination protection accessory symbol (*1)	Overall linear LM rail length per rail	Center angle of one inner curved rail	No. of inner curved LM rails jointed	Radius of outer curved rail	Symbol for No. of rails used on the same plane (*2)
No. of LM blocks used on the same rail	Radial clearance symbol Normal (No symbol)/Light preload (C1)	Symbol for linear LM rail joint	Radius of inner curved rail	Center angle of one outer curved rail	No. of outer curved LM rails jointed	
(*1) See contamination protection accessory on A1-545 . (*2) See A1-13 .						

Note) This model number denotes one set consists of an LM block and LM rail. (i.e. If you are using 2 shafts, the required number of sets is 2.)

The standard Model HMG does not have a seal. To attach a seal, make sure to specify a straight-and-curved seal (code: UU).

LM Guide for Medium-to-Low Vacuums

● Model HSR-M1VV

HSR15M1R 1 VV C1 +400L P - II				
Model No.	Labyrinth seal symbol (*2)	Radial clearance symbol (*1)	Accuracy symbol (*3)	Symbol for No. of rails used on the same plane (*4)
No. of LM blocks used on one rail		LM rail length (in mm)		

(*1) See **A1-73**. (*2) See **A1-405**. (*3) See **A1-78**. (*4) See **A1-13**.

Note1) The radial clearance, maximum LM rail length and accuracy class are equal to that of Model HSR.

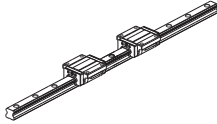
Note2) With this model, a single-rail unit constitutes one set (i.e., the required number of sets when 2 rails are used in parallel is 2).

Notes on Ordering

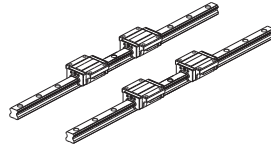
Order Units

Note that the number of items that constitute one set differs depending on the type of LM guide. Check the sample model number configurations and the accompanying notes.

● Sample LM Guide Orders

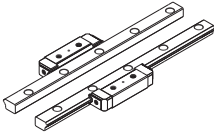


SHS25C2SSC1+640L 1 set



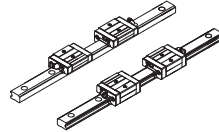
SHS25C2SSC1+640L-II 2 sets

● Sample Model HR Orders



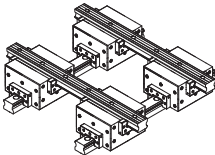
HR2555UU+600L 1 set

● Sample Model GSR and GSR-R Orders



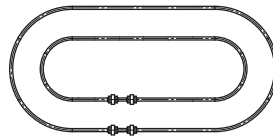
GSR25T2UU+1060L 2 sets

● Sample Cross LM Guide Orders (SCR, CSR, and MX)



4SCR25UU+1240/1000LP 1 set

● Sample Model HMG Orders



HMG15A 2 UU C1 + 1000L T + 60/150R 6T + 60/300R 6T - II 2 sets
 Note) When ordering Model HMG, attach a reference diagram clearly showing the positioning of the LM block and LM rail.

Mounting Orientation and Lubrication Method

When placing an order, be sure to let THK know the mounting orientation and the exact position on each LM block where the grease nipple or the piping joint should be attached.

For the mounting orientation and the lubrication, see **A1-12** and **A24-2**, respectively.

Supported Options

The supported options differ depending on the model number. Check the available options when ordering.

See **A1-506**.

Maximum Manufactured Lengths for LM Rails

Where a high degree of precision is required, limits apply to the maximum manufactured lengths for LM rails. In such situations, contact THK.