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/NRS-X, NR/NRS, HRW, JR, NSR-TBC, HSR-M1, SR-M1 and HSR-M2**

SHS25 LC 2 QZ KKHH C0 +1200L P Z T -II

- SHS25: Model No.
- LC: Type of LM block
- 2: No. of LM blocks used on the same rail
- QZ: With QZ Lubricator
- KKHH: Contamination protection accessory symbol (*1)
- C0: Radial clearance symbol (*2) — Normal (No symbol), Light preload (C1), Medium preload (C0)
- +1200L: LM rail length (in mm)
- P: Accuracy symbol (*3) — Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P)/Super precision grade (SP)/Ultra precision grade (UP)
- Z: With steel tape
- T: Symbol for LM rail jointed use
- -II: Symbol for No. of rails used on the same plane (*4)

(*1) See contamination protection accessory on **A1-496.** (*2) See **A1-70**. (*3) See **A1-75**. (*4) See **A1-13**.

Note) 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.)
Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

[Caged Ball LM Guide]

- **Model EPF**

EPF7M 16 +55L P M

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

(*1) See **A1-85**.

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

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[Caged Roller LM Guide]

● Models SRG, SRN and SRW

SRG45 LC 2 QZ TTHH C0 +1200L P Z T -Ⅱ

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

(*1) See contamination protection accessory on **A1-496**. (*2) See **A1-70**. (*3) See **A1-75**. (*4) See **A1-13**.

Note1) Models SRG35 to 65 are available in high accuracy grade and above. Other models are only available in precision grade or above. (Normal grade is not available.)
Models SRN and SRW are available in precision grade or above. (Normal and H grade are not available.)
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.)
Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

[Miniature Type LM Guide]

● Models SRS, RSR and RSR-M1

2 SRS20M QZ UU C1 +220L P M -Ⅱ

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

(*1) See contamination protection accessory on **A1-496**. (*2) See **A1-70**. (*3) See **A1-75**. (*4) See **A1-13**.

Note) 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.)
Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

[Cross LM Guide]

● Models SCR, CSR and MX

4 SCR25 QZ KKHH C0 +1200/1000L P

- 4: Total No. of LM blocks
- SCR25: Model No.
- QZ: With QZ Lubricator
- KKHH: Contamination protection accessory symbol (*1)
- C0: Radial clearance symbol (*2) — Normal (No symbol)/Light preload (C1)/Medium preload (C0)
- +1200/1000L: LM rail length on the X axis (in mm) / LM rail length on the Y axis (in mm)
- P: Accuracy symbol (*3) — Precision grade (P)/Super precision grade (SP)/Ultra precision grade (UP)

(*1) See contamination protection accessory on **A1-496**. (*2) See **A1-70**. (*3) See **A1-75**.

Note) Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

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[Separate LM Guides]

● Model HR

2 HR2555 UU M +1000L P T M

- 2: No. of LM blocks used on the same rail
- HR2555: Model No.
- UU: Contamination protection accessory symbol (*1)
- M: Stainless steel LM block
- +1000L: LM rail length (in mm)
- P: Accuracy symbol (*2) Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P) Super precision grade (SP)/Ultra precision grade (UP)
- T: Symbol for LM rail jointed use
- M: Stainless steel LM rail

(*1) See contamination protection accessory on A1-496. (*2) See A1-75.

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

● Model GSR

- LM block

GSR25 T UU

- GSR25: Model number
- T: Type of LM block
- UU: Contamination protection accessory symbol (*1)

- LM rail

GSR25 -1060L H K

- GSR25: Model number
- -1060L: LM rail length (in mm)
- H: Symbol for tapped-hole LM rail type
- K: Accuracy symbol (*2) Normal grade (No Symbol) High accuracy grade (H) Precision grade (P)

(*1) See contamination protection accessory on A1-496. (*2) See A1-75.

- Combination of LM rail and LM block

GSR25 T 2 UU +1060L H T K

- GSR25: Model No.
- T: Type of LM block
- 2: No. of LM blocks used on the same rail
- UU: Contamination protection accessory symbol (*1)
- +1060L: LM rail length (in mm)
- H: Symbol for LM rail jointed use
- T: Symbol for tapped-hole LM rail type
- K: Accuracy symbol (*2) Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P)

(*1) See contamination protection accessory on A1-496. (*2) See A1-75.

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

[R Guide]

● Model HCR

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

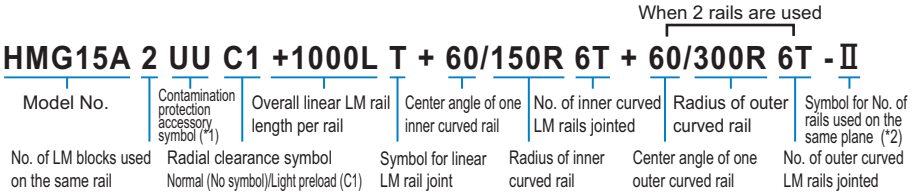
- HCR25A: Model No.
- 2: No. of LM blocks used on the same rail
- UU: Contamination protection accessory symbol (*1)
- C1: Radial clearance symbol (*2) Normal (No symbol)/Light preload (C1)
- +60: R-Guide center angle
- 1000R: LM rail radius (in mm)
- H: Accuracy symbol (*3) Normal grade (No Symbol)/High accuracy grade (H)
- 6: Number of LM rail joints used on one axis (*4)
- T: Symbol for LM rail jointed use (*5)

(*1) See A1-496 (contamination protection accessories). (*2) See A1-70. (*3) See A1-75.
(*4) Number of LM rails used on one arc. Contact THK for details.
(*5) When using joined LM rails, the dust prevention seal must be a low-resistance seal (dust prevention code: LL).

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[Straight-Curved Guide]

● Model HMG

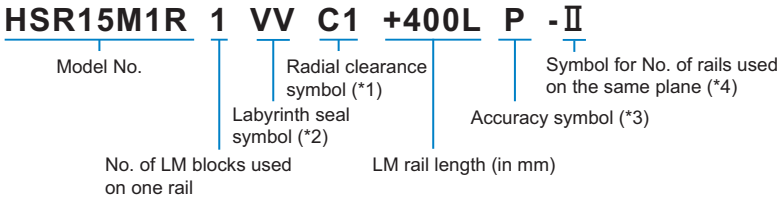


(*1) See contamination protection accessory on **A1-496**. (*2) See **A1-13.**

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-curved seal (code: UU).

[LM Guide for Medium-to-Low Vacuum]

● Model HSR-M1VV

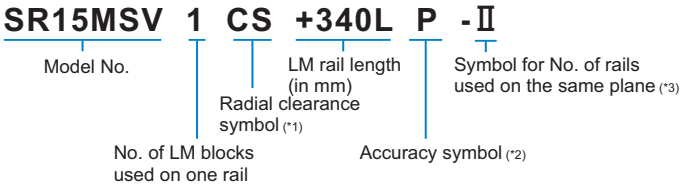


(*1) See **A1-70**. (*2) See **A1-379**. (*3) See **A1-75**. (*4) See **A1-13**.

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).

[Oil-Free LM Guide for Special Environments]

● Model SR-MS



(*1) See **A1-70**. (*2) See **A1-75**. (*3) See **A1-13**.

Note) 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).

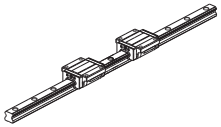
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Notes on Ordering

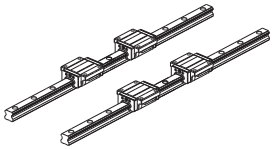
[Order units]

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**

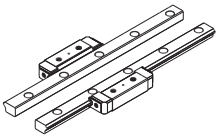


SHS25C2SSC1+640L 1 set



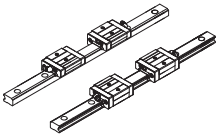
SHS25C2SSC1+640L-Ⅱ2 sets

- **Sample model HR orders**



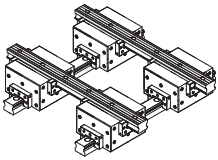
HR2555UU+600L 1 set

- **Sample model GSR and GSR-R orders**



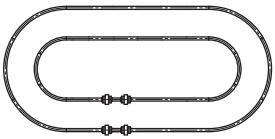
GSR25T2UU+1060L 2 sets

- **Sample cross LM guide orders (SCR, CSR and MX)**



4SCR25UU+1200/1000LP 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.

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[Mounted orientation and lubrication method]
When placing an order, be sure to let THK know the mounting orientation and the exact position in each LM block where the grease nipple or the piping joint should be attached.
For the mounting orientation and the lubrication, see A**1-12** and A**24-2**, respectively.

[Supported options]
The supported options differ depending on the model number. Check the available options when ordering.
See A**1-460**.

[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.

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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/NRS-X, NR/NRS, HRW, JR, NSR-TBC, HSR-M1, SR-M1 and HSR-M2**

SHS25 LC 2 QZ KKHH C0 +1200L P Z T -II

- SHS25: Model No.
- LC: Type of LM block
- 2: No. of LM blocks used on the same rail
- QZ: With QZ Lubricator
- KKHH: Contamination protection accessory symbol (*1)
- C0: Radial clearance symbol (*2)
  - Normal (No symbol)
  - Light preload (C1)
  - Medium preload (C0)
- +1200L: LM rail length (in mm)
- P: Accuracy symbol (*3)
  - Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P)
  - Super precision grade (SP)/Ultra precision grade (UP)
- Z: With steel tape
- T: Symbol for LM rail jointed use
- -II: Symbol for No. of rails used on the same plane (*4)

(*1) See contamination protection accessory on **A1-496**. (*2) See **A1-70**. (*3) See **A1-75**. (*4) See **A1-13**.

Note) 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.)
Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

[Caged Ball LM Guide]

- **Model EPF**

EPF7M 16 +55L P M

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

(*1) See **A1-85**.

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

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[Caged Roller LM Guide]

● Models SRG, SRN and SRW

SRG45 LC 2 QZ TTHH C0 +1200L P Z T -Ⅱ

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

(*1) See contamination protection accessory on A1-496. (*2) See A1-70. (*3) See A1-75. (*4) See A1-13.

Note1) Models SRG35 to 65 are available in high accuracy grade and above. Other models are only available in precision grade or above. (Normal grade is not available.)
Models SRN and SRW are available in precision grade or above. (Normal and H grade are not available.)
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.)
Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

[Miniature Type LM Guide]

● Models SRS, RSR and RSR-M1

2 SRS20M QZ UU C1 +220L P M -Ⅱ

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

(*1) See contamination protection accessory on A1-496. (*2) See A1-70. (*3) See A1-75. (*4) See A1-13.

Note) 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.)
Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

[Cross LM Guide]

● Models SCR, CSR and MX

4 SCR25 QZ KKHH C0 +1200/1000L P

- 4: Total No. of LM blocks
- SCR25: Model No.
- QZ: With QZ Lubricator
- KKHH: Contamination protection accessory symbol (*1)
- C0: Radial clearance symbol (*2) — Normal (No symbol)/Light preload (C1)/ Medium preload (C0)
- +1200/1000L: LM rail length on the X axis (in mm) / LM rail length on the Y axis (in mm)
- P: Accuracy symbol (*3) — Precision grade (P)/Super precision grade (SP)/ Ultra precision grade (UP)

(*1) See contamination protection accessory on A1-496. (*2) See A1-70. (*3) See A1-75.

Note) Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

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[Separate LM Guides]

● Model HR

2 HR2555 UU M +1000L P T M

- 2: No. of LM blocks used on the same rail
- HR2555: Model No.
- UU: Contamination protection accessory symbol (*1)
- M: Stainless steel LM block
- +1000L: LM rail length (in mm)
- P: Accuracy symbol (*2) Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P) Super precision grade (SP)/Ultra precision grade (UP)
- T: Symbol for LM rail jointed use
- M: Stainless steel LM rail

(*1) See contamination protection accessory on A1-496. (*2) See A1-75.

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

● Model GSR

- LM block

GSR25 T UU

- GSR25: Model number
- T: Type of LM block
- UU: Contamination protection accessory symbol (*1)

- LM rail

GSR25 -1060L H K

- GSR25: Model number
- -1060L: LM rail length (in mm)
- H: Accuracy symbol (*2) Normal grade (No Symbol) High accuracy grade (H) Precision grade (P)
- K: Symbol for tapped-hole LM rail type

(*1) See contamination protection accessory on A1-496. (*2) See A1-75.

- Combination of LM rail and LM block

GSR25 T 2 UU +1060L H T K

- GSR25: Model No.
- T: Type of LM block
- 2: No. of LM blocks used on the same rail
- UU: Contamination protection accessory symbol (*1)
- +1060L: LM rail length (in mm)
- H: Accuracy symbol (*2) Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P)
- T: Symbol for LM rail jointed use
- K: Symbol for tapped-hole LM rail type

(*1) See contamination protection accessory on A1-496. (*2) See A1-75.

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

[R Guide]

● Model HCR

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

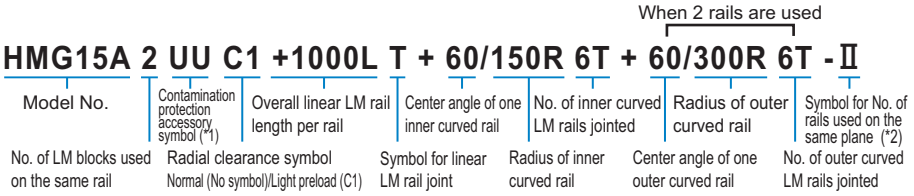
- HCR25A: Model No.
- 2: No. of LM blocks used on the same rail
- UU: Contamination protection accessory symbol (*1)
- C1: Radial clearance symbol (*2) Normal (No symbol)/Light preload (C1)
- +60: R-Guide center angle
- 1000R: LM rail radius (in mm)
- H: Accuracy symbol (*3) Normal grade (No Symbol)/High accuracy grade (H)
- 6: Number of LM rail joints used on one axis (*4)
- T: Symbol for LM rail jointed use (*5)

(*1) See A1-496 (contamination protection accessories). (*2) See A1-70. (*3) See A1-75.
(*4) Number of LM rails used on one arc. Contact THK for details.
(*5) When using joined LM rails, the dust prevention seal must be a low-resistance seal (dust prevention code: LL).

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[Straight-Curved Guide]

● Model HMG

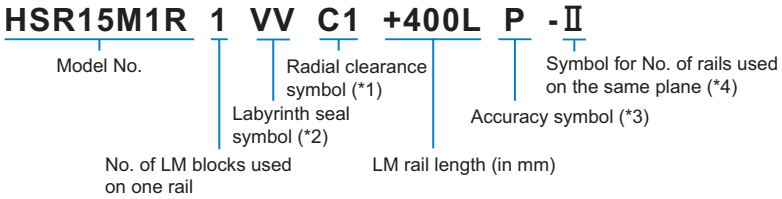


(*1) See contamination protection accessory on **A1-496**. (*2) See **A1-13.**

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-curved seal (code: UU).

[LM Guide for Medium-to-Low Vacuum]

● Model HSR-M1VV

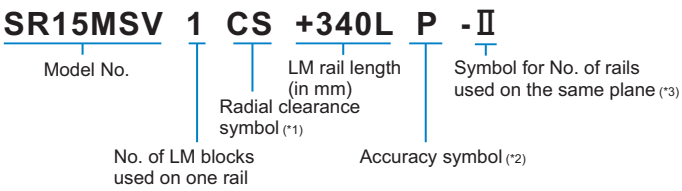


(*1) See **A1-70**. (*2) See **A1-379**. (*3) See **A1-75**. (*4) See **A1-13**.

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).

[Oil-Free LM Guide for Special Environments]

● Model SR-MS



(*1) See **A1-70**. (*2) See **A1-75**. (*3) See **A1-13**.

Note) 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).

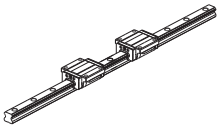
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Notes on Ordering

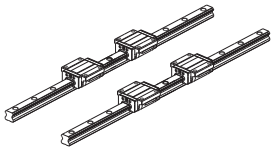
[Order units]

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**

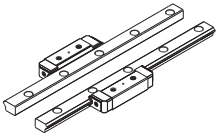


SHS25C2SSC1+640L 1 set



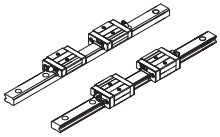
SHS25C2SSC1+640L-Ⅱ2 sets

- **Sample model HR orders**



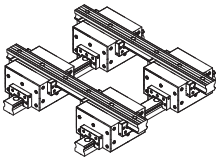
HR2555UU+600L 1 set

- **Sample model GSR and GSR-R orders**



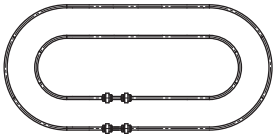
GSR25T2UU+1060L 2 sets

- **Sample cross LM guide orders (SCR, CSR and MX)**



4SCR25UU+1200/1000LP 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.

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[Mounted orientation and lubrication method]
When placing an order, be sure to let THK know the mounting orientation and the exact position in each LM block where the grease nipple or the piping joint should be attached.
For the mounting orientation and the lubrication, see B**1-28** and B**24-2**, respectively.

[Supported options]
The supported options differ depending on the model number. Check the available options when ordering.
See A**1-460**.

[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.

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