

LM Guide Options

Table of Supported Options by Models

Model No.			Type	Contamination protection											
				End seal	Side seal	Inner seal	End seal + side seal (+ inner seal)	Double seals + side seal (+ inner seal)	End seal + side seal (+ inner seal) + metal scraper	Double seals + side seal (+ inner seal) + metal scraper	Laminated Contact Scraper LaCS	Side scraper	End seal + protector	Double seals + protector	Low-resistance end seal
			Symbol	UU	—	—	SS	DD	ZZ	KK	HH	YY	JJ	TT	LL
Caged Ball	SHS	15 to 65	○	○	○	○*	○	○	○	○	—	—	—	—	
	SSR	15 to 35	○*	○	—	○	○	○	○	○	—	—	—	—	
	SVR/SVS	25 to 65	○	○	○	○	○	○	○	○	○	○	—	—	
	SHW	12, 14	○	○	—	○	—	—	—	○	—	—	—	—	
		17	○	○	—	○	○	○	○	○	—	—	—	—	
		21 to 50	○	○	○	○	○	○	○	○	—	—	—	—	
	SRS	5	○*	—	—	—	—	—	—	—	—	—	—	—	
		7	○*	○	—	○	—	—	—	—	—	—	—	—	
	9 to 25	○*	○	—	○	—	—	○	—	—	—	—	—		
SCR	15 to 65	○	○	○	○	○	○	○	○	—	—	—	—		
EPF	7 to 15	—	—	—	—	—	—	—	—	—	—	—	—		
Full-Ball	HSR	8X, 10X, 12X	○	○	—	○	—	—	—	—	—	—	—	—	
		15, 20, 25	○	○	—	○*	○	○ ⁷	○ ⁷	○	—	—	—	○	
		30, 35	○	○	— ⁷	○*	○	○	○	○	—	—	—	○	
		45, 55, 65	○	○	— ⁷	○*	○	○	○	○	—	—	—	○	
		85	○	○	— ⁷	○*	○	○	○	○	—	—	—	—	
		100, 120, 150	○	○	—	○*	—	—	—	—	—	—	—	—	
	SR	15 to 25	○	○	—	○	○	○ ⁸	○ ⁸	—	—	—	—	○	
		30 to 70	○	○	—	○	○	○	○	—	—	—	—	—	
		85 to 150	○	○	—	○	—	—	—	—	—	—	—	—	
	NR-X/NRS-X	25 to 65	○	○	○	○	○	○	○	○	△ ⁹	○	○	—	
	NR/NRS	75, 85	○	○	○	○	○	○	○	○	—	—	—	—	
		100	○	○	○	○	○ ¹⁰	○ ¹⁰	○ ¹⁰	○ ¹⁰	—	—	—	—	
	HRW	12, 14	○*	○	—	○	—	—	—	—	—	—	—	—	
		17, 21	○*	—	—	—	○ ¹¹	○ ¹¹	○ ¹¹	—	—	—	—	—	
		27 to 60	○*	○	—	○	○	○	○	—	—	—	—	—	

¹ Model SHS : Dedicated GC cap --- not applicable to model 15, Stainless steel LM Guide --- applicable only to models 15 through 25

² Model SSR : Dedicated GC cap --- applicable to all models except Model SSR15, Stainless steel LM Guide --- applicable to XV, XW

³ Models SVR and SVS : GG, PP --- applicable to models 25 and 30

⁴ Model SHW : GG, PP --- applicable to models SHW21 and 27, Dedicated GC cap --- applicable to models SHW35, 50, Dedicated CV cap --- applicable to models SHW35, 50

⁵ Model SRS : Dedicated C cap --- applicable to models SRS9W, 12, 15, 20, 25, Dedicated CV cap --- applicable to models SRS20, 25

⁶ Model SCR : Dedicated GC cap --- applicable to all models except Model SCR15, Dedicated CV cap --- applicable to all models except Model SCR15

⁷ Model HSR : ZZ, KK --- grease nipple cannot be attached to model 15, GG --- applicable to model 25, Steel tape SP --- applicable to models 15 to 100, Dedicated C cap --- applicable to models 12X to 100, Dedicated GC cap --- applicable to models 20 to 100, Dedicated LM cover --- applicable to models 25 to 55, Inner seal --- applicable to models 30 to 85, Dedicated CV cap --- applicable to all models except model 15, Side nipple --- applicable to all models except 45YR, 55YR

⁸ Model SR : ZZ, KK --- grease nipple cannot be attached to models SR15, 20, Dedicated cap C --- applicable to models SR15 to 85, Dedicated cap GC --- applicable to models SR20 to 120, Stainless steel LM Guides --- applicable to models SR15 to 35, Dedicated cap CV --- applicable to all models except models SR15, 20, 100, 120, 150

⁹ Model NR-X/NRS-X : YY --- not applicable to models NR-SLRX, NRS-SLRX, NR-SLCX, or NRS-SLCX.

¹⁰ Model NR/NRS : DD, KK --- NR/NRS100 cannot be equipped with a standard grease nipple. Please contact THK if a grease nipple is required.

ZZ, HH --- Side nipple required for NR/NRS100.

Plate cover SV --- Compatible with NR/NRS75. Dedicated GC caps --- Compatible with all models except NR/NRS75.

Options

Table of Supported Options by Models

Symbols in the table ○: Applicable △: Applicable depending on model (see note)
★: Recommended by THK (standard stock item)

	Low-resistance end seal + side seal	Light- Resistance Contact Seal LICS	LICS + side seal (+ inner seal)	High chemical resistance fluorine seal	Plate cover SV	Steel tape SP	Dedicated CV cap	Dedicated C cap	Dedicated GC cap	Dedicated bellows	Dedicated LM cover	Tapped- hole LM rail type	Lubrication		Corrosion prevention	
	RR	GG	PP	FS	Z	Z	—	—	—	—	TPH (dedi- cated for HSR)	K	QZ	End plate with side nipple	AP-HC, AP-C, AP-CF	Stainless steel LM Guide
	—	○	○	—	—	○	○	○	△ ¹	○	—	○	○	○	○	△ ¹
	—	○	○	—	—	○	○	○	△ ²	○	—	○	○	○	○	△ ²
	—	△ ³	△ ³	—	—	○	○	○	○	○	—	—	○	○	○	—
	—	—	—	—	—	—	—	○	—	—	—	—	○	—	—	○
	—	—	—	—	—	—	—	○	—	○	—	—	○	—	○	○
	—	△ ⁴	△ ⁴	—	—	—	△ ⁴	○	△ ⁴	○	—	—	○	—	○	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○
	—	—	—	—	—	—	—	—	—	—	—	—	○	—	—	○
	—	—	—	—	—	—	△ ⁵	△ ⁵	—	—	—	—	○	—	—	○
	—	—	—	—	—	—	△ ⁶	○	△ ⁶	—	—	○	○	○	○	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	△ ⁷	—	—	—	—	—	—	○	○
	○	△ ⁷	—	—	—	○	△ ⁷	○	△ ⁷	○	△ ⁷	○	○	○	○	○
	○	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○
	○	—	—	—	—	○	○	○	○	○	△ ⁷	○	○	△ ⁷	○	—
	—	—	—	—	—	○	—	○	○	○	—	—	○	—	○	—
	—	—	—	—	—	△ ⁷	—	△ ⁷	△ ⁷	—	—	—	—	—	○	—
	○	—	—	—	—	○	△ ⁸	○	△ ⁸	○	—	○	—	—	○	○
	—	—	—	—	—	○	○	○	○	○	—	△	—	—	○	△ ⁸
	—	—	—	—	—	—	△ ⁸	△ ⁸	△ ⁸	—	—	—	—	—	○	—
	—	—	—	—	—	○	○	○	○	○	—	—	○	○	○	—
	—	—	—	—	△ ¹⁰	○	—	○	△ ¹⁰	○	—	—	—	○	○	—
	—	—	—	—	—	○	—	○	○	○	—	—	○	○	○	—
	—	—	—	—	—	—	—	△ ¹¹	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	—	○	—	○	—	—	—	—	○	○
	—	—	—	—	—	—	△ ¹¹	○	△ ¹¹	△ ¹¹	—	—	—	—	○	△ ¹¹

¹⁾ Model HRW : DD, KK --- grease nipple cannot be attached to model 17 only. Side seals cannot be attached to models 17 and 21 only.
 ZZ --- side seals cannot be attached to models 17 and 21 only.
 Dedicated C cap --- applicable to models 14 to 60,
 Dedicated GC cap --- applicable to models 35, 50, 60,
 Dedicated bellows --- applicable to models 17 to 50,
 Stainless steel LM Guide --- applicable to models 12 to 35,
 Dedicated CV cap --- applicable to models 35, 50, 60 only

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.

Model No.		Type	Contamination protection												
			End seal	Side seal	Inner seal	End seal + side seal (+ inner seal)	Double seals + side seal (+ inner seal)	End seal + side seal (+ inner seal) + metal scraper	Double seals + side seal (+ inner seal) + metal scraper	Laminated Contact Scraper LaCS	Side scraper	End seal + protector	Double seals + protector	Low-resistance end seal	
		Symbol	UU	—	—	SS	DD	ZZ	KK	HH	YY	JJ	TT	LL	
Full-Ball	RSX	5, 5W, 7, 7W	○	—	—	—	—	—	—	—	—	—	—	—	
		9, 9W, 12, 12W, 15, 15W	○	—	—	—	—	—	—	—	—	—	—	—	
	RSR	2, 3	—	—	—	—	—	—	—	—	—	—	—	—	
		3W, 14	○	—	—	—	—	—	—	—	—	—	—	—	
	HR	918 to 2555	○	—	—	—	—	—	—	—	—	—	—	—	
		3065 to 60125	○	—	—	—	—	—	—	—	—	—	—	—	
	GSR	15 to 35	○*	○	—	○	○	○	○	—	—	—	—	—	
	GSR-R	25 to 35	○	○	—	○	○	○	○	—	—	—	—	—	
	CSR	15 to 25	○	○	—	○	○	○ ¹⁷	○ ¹⁷	—	—	—	—	○	
		30 to 45	○	○	○	○	○	○	○	—	—	—	—	○	
	MX	5, 7	○	—	—	—	—	—	—	—	—	—	—	—	
	JR	25 to 55	○	○	—	○	○	○	○	—	—	—	—	—	
	HCR	12	○	—	—	—	—	—	—	—	—	—	—	—	
		15 to 65	○	○	—	○	○	○ ¹⁸	○ ¹⁸	—	—	—	—	○ ¹⁸	
	HMG	15 to 65	○ ¹⁹	—	—	—	—	—	—	—	—	—	—	—	
	NSR	20 to 70	○	○	—	○	—	—	—	—	—	—	—	—	
Caged Roller	HSR-M1	15 to 35	○	○	—	○	—	—	—	—	—	—	—	—	
	SR-M1	15 to 35	○	○	—	○	—	—	—	—	—	—	—	—	
	RSX-M1	9, 9W, 12, 12W, 15, 15W	○	—	—	—	—	—	—	—	—	—	—	—	
	RSR-M1	9, 12W, 15W	○	—	—	—	—	—	—	—	—	—	—	—	
	SRW	9W, 12, 15, 20	○	—	—	—	—	—	—	—	—	—	—	—	
		15 to 25	○	○	—	○	—	—	—	—	—	—	—	—	
	SRG	15X	○	○	○	○	○	—	—	—	—	—	—	—	
		20X, 25X, 30X	○	○	○	○	○	○	○	○	—	△ ²²	△ ²²	—	
		35, 45, 55, 65	○	○	○	○	○	○	○	○	○	○	○	—	
		85, 100	○	○	○	○	○ ²²	○	○	○	○	—	—	—	
Full Roller	HRX	35 to 65	○	○	○	○	○	○	○	○	—	—	—	—	
		70 to 100	○	○	○	○	○	○	○	○	—	—	—	—	
	HRX	130, 150	○	○	○	○	○	○	○	—	—	—	—	—	
		25 to 65	○	○	○	○	○	○	○	○	—	○	○	—	

¹² Model RSX : Dedicated C cap --- applicable to models 9W, 12, and 15 only

¹³ Model RSR : Dedicated C cap --- applicable to Model RSR14W

¹⁴ Model HR : Dedicated C cap --- applicable to models HR1123 to 50105,
Dedicated GC cap --- applicable to models HR2042 to 50105,
Dedicated CV cap --- applicable to models HR2042 to 50105

¹⁵ Model GSR : Dedicated GC cap --- applicable to all models except Model GSR15,
Dedicated CV cap --- applicable to all models except Model GSR15

¹⁶ Model GSR-R : AP-HC treatment of rack rail is not applicable

¹⁷ Model CSR : ZZ, KK --- grease nipple cannot be attached to Model CSR15.
Dedicated GC cap --- applicable to all models except Model CSR15,
Dedicated CV cap --- applicable to all models except Model CSR15

¹⁸ Model HCR : ZZ, KK --- grease nipple cannot be attached to Model HCR15.
When using joint LM rails, the contamination protection seal must be a low-resistance seal (contamination protection code: LL).
Dedicated CV caps --- applicable to all models except Model HCR15.

¹⁹ Model HMG : Dedicated GC caps --- applicable to Model HMG25,
Dedicated CV caps --- applicable to all models except Model HMG15, straight-and-curved seal (code: UU).

Options

Table of Supported Options by Models

Symbols in the table ○: Applicable △: Applicable depending on model (see note)
★: Recommended by THK (standard stock item)

													Lubrication		Corrosion prevention	
	Low resistance end seal + side seal	Light- Resistance Contact Seal LICS	LICS + side seal (+ inner seal)	High chemical resistance fluorine seal	Plate cover	Steel tape SP	Dedicated CV cap	Dedicated C cap	Dedicated GC cap	Dedicated bellows	Dedicated LM cover	Tapped- hole LM rail type	QZ Lubri- cator	End plate with side nipple	AP-HC, AP-C, AP-CF	Stainless steel LM Guide
	RR	GG	PP	FS	Z	Z	—	—	—	—	TPH (dedi- cated for HSR)	K	QZ	—	F	M
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	—	○ ¹²	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	—	△ ¹³	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	△ ¹⁴	△ ¹⁴	△ ¹⁴	—	—	—	—	—	○	○
	—	—	—	—	—	—	△ ¹⁴	△ ¹⁴	△ ¹⁴	—	—	—	—	—	○	—
	—	—	—	—	—	—	△ ¹⁵	○	△ ¹⁵	—	—	—	—	—	○	—
	—	—	—	—	—	—	—	○	○	—	—	—	—	—	△ ¹⁶	—
	○	—	—	—	—	—	△ ¹⁷	○	△ ¹⁷	—	—	○	—	—	○	—
	○	—	—	—	—	—	○	○	○	—	—	○	—	—	○	—
	—	—	—	—	—	—	—	—	—	—	—	○	—	—	○	○
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—
	○	—	—	—	—	—	△ ¹⁸	—	—	—	—	—	—	—	○	—
	—	—	—	—	—	—	△ ¹⁹	○	△ ¹⁹	—	—	—	—	—	○	—
	—	—	—	—	—	—	○	○	○	○	—	—	—	—	○	—
	—	—	—	—	—	—	△ ²⁰	△ ²⁰	—	—	—	—	—	—	○	↘
	RR	—	—	—	—	—	—	○ ²¹	—	—	—	—	—	—	○	↘
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	↘
	—	—	—	—	—	—	—	○ ²¹	—	—	—	—	—	—	○	↘
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	↘
	—	—	—	—	—	—	—	○	—	—	—	—	—	—	○	↘
	—	○	○	—	—	—	—	○	—	○	—	○	○	○	○ ²²	—
	—	○	○	—	△ ²²	—	○	○	○	○	—	○	○	○	○ ²²	—
	—	—	—	○	○ ²²	—	○	○	○	○	—	○	○	○	○ ²²	—
	—	—	—	—	○ ²²	—	—	○	○	○	—	—	○	○	○ ²²	—
	—	—	—	—	○ ²³	—	○	○	○	—	—	—	○	○	○ ²³	—
	—	—	—	—	○	—	○	○	○	○	—	—	○	○	○ ²⁴	—
	—	—	—	—	—	—	△ ²⁴	○	○	○	—	—	○	○	○ ²⁴	—
	—	—	—	—	—	○	○	○	○	○	—	○	○	○	○ ²⁵	—

²⁰ Model HSR-M1 (for high temperatures) : Dedicated cap C --- applicable to Model HSR15-M1 (only works at room temperature)
Dedicated cap CV --- applicable to models HSR20-M1 to HSR35-M1 (only works at room temperature)

²¹ Model SR/RSR-M1 (for high temperatures) : Dedicated cap C --- only works at room temperature

²² Model SRG : DD --- side nipple required for model 100.
JJ, TT --- applicable to models 30X to 65
Plate cover (see **A1-440**) --- applicable to models 25X to 65,
AP-HC surface treatment is not available

²³ Model SRN : Plate cover SV --- applicable to models 35 to 65
Plate cover (see **A1-457**) --- applicable to models 35 to 65,
AP-HC surface treatment is not available

²⁴ Model SRW : Dedicated CV caps --- applicable to Model SRW130 only,
AP-HC surface treatment is not available

²⁵ Model HRX : AP-HC surface treatment is not available

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.