

## 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	8, 10, 12	○	—	—	—	—	—	—	—	—	—	—	—	—
		15, 20, 25	○	○	—	○*	○	○	○*	○*	○	—	—	—	○
		30, 35	○	○	—*7	○*	○	○	○	○	○	—	—	—	○
		45, 55, 65	○	○	—*7	○*	○	○	○	○	○	—	—	—	○
		85	○	○	—*7	○*	○	○	○	○	○	—	—	—	—
	SR	15 to 25	○	○	—	○	○	○	○*	○*	—	—	—	—	○
		30 to 70	○	○	—	○	○	○	○	○	—	—	—	—	—
		85 to 150	○	○	—	○	—	—	—	—	—	—	—	—	—
	NR-X/NRS-X	25 to 65	○	○	○	○	○	○	○	○	○	○	○	○	—
		75, 85	○	○	○	○	○	○	○	○	○	—	—	—	—
	NR/NRS	100	○	○	○	○	○	○*	○*	○*	○*	—	—	—	—
		100	○	○	○	○	○	○*	○*	○*	○*	—	—	—	—
	HRW	12, 14	○*	○	—	○	—	—	—	—	—	—	—	—	—
		17, 21	○*	—	—	—	○*10	○*10	○*10	○*10	—	—	—	—	—
		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 12 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/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 (dedicated 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	—	—	—	—	—	○	—
	—	—	—	—	—	○	○	○	○	○	—	—	○	○	○	—
	—	—	—	—	△*9	○	—	○	△*9	○	—	—	—	○	○	—
	—	—	—	—	—	○	—	○	○	○	—	—	○	○	○	—
	—	—	—	—	—	—	—	△*10	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	—	○	—	○	—	—	—	—	○	○
	—	—	—	—	—	—	△*10	○	△*10	△*10	—	—	—	—	○	△*10

\*10 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	○	—	—	—	—	—	—	—	—	—	—	—	
		2, 3	—	—	—	—	—	—	—	—	—	—	—	—	
	RSR	3W, 14	○	—	—	—	—	—	—	—	—	—	—	—	
		918 to 2555	○	—	—	—	—	—	—	—	—	—	—	—	
	HR	3065 to 60125	○	—	—	—	—	—	—	—	—	—	—	—	
		15 to 35	○*	○	—	○	○	○	○	—	—	—	—	—	
	GSR-R	25 to 35	○	○	—	○	○	○	○	—	—	—	—	—	
	CSR	15 to 25	○	○	—	○	○	○*16	○*16	—	—	—	—	○	
		30 to 45	○	○	○	○	○	○	○	—	—	—	—	○	
	MX	5, 7	○	—	—	—	—	—	—	—	—	—	—	—	
	JR	25 to 55	○	○	—	○	○	○	○	—	—	—	—	—	
	HCR	12	○	—	—	—	—	—	—	—	—	—	—	—	
		15 to 65	○	○	—	○	○	○*17	○*17	—	—	—	—	○*17	
	HMG	15 to 65	○*18	—	—	—	—	—	—	—	—	—	—	—	
	NSR	20 to 70	○	○	—	○	—	—	—	—	—	—	—	—	
	HSR-M1	15 to 35	○	○	—	○	—	—	—	—	—	—	—	—	
	SR-M1	15 to 35	○	○	—	○	—	—	—	—	—	—	—	—	
Caged Roller	SRG	9, 9W, 12, 12W, 15, 15W	○	—	—	—	—	—	—	—	—	—	—	—	
		9, 12W, 15W	○	—	—	—	—	—	—	—	—	—	—	—	
		9W, 12, 15, 20	○	—	—	—	—	—	—	—	—	—	—	—	
		15 to 25	○	○	—	○	—	—	—	—	—	—	—	—	
	SRN	15X	○	○	○	○	○	—	—	—	—	—	—	—	
		20X, 25X, 30X	○	○	○	○	○	○	○	○	—	△*21	△*21	—	
		35, 45, 55, 65	○	○	○	○	○	○	○	○	○	○	○	—	
Full Roller	SRW	85, 100	○	○	○	○	○*21	○	○	○	○	—	—	—	
		35 to 65	○	○	○	○	○	○	○	○	○	—	—	—	
	HRX	70 to 100	○	○	○	○	○	○	○	○	—	—	—	—	
Full Roller	HRX	130, 150	○	○	○	○	○	○	○	—	—	—	—	—	
		25 to 65	○	○	○	○	○	○	○	○	—	○	○	—	

\*11 Model RSX : Dedicated C cap --- applicable to models 9W, 12, and 15 only

\*12 Model RSR : Dedicated C cap --- applicable to model RSR14W

\*13 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

\*14 Model GSR : Dedicated GC cap --- applicable to all models except model GSR15,  
Dedicated CV cap --- applicable to all models except model GSR15

\*15 Model GSR-R : AP-HC treatment of rack rail is not applicable

\*16 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

\*17 Model HCR : ZZ, KK --- grease nipple cannot be attached to Model HCR15.  
When using joint LM rails, the dust-proofing seal must be a low-resistance seal (contamination protection code: LL).  
Dedicated CV caps --- applicable to all models except Model HCR15.

\*18 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 (dedicated for HSR)	K	QZ	—	F	M
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	—	○*11	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	—	△*12	—	—	—	—	—	—	○	○
	—	—	—	—	—	—	△*13	△*13	△*13	—	—	—	—	—	○	○
	—	—	—	—	—	—	△*13	△*13	△*13	—	—	—	—	—	○	—
	—	—	—	—	—	—	△*14	○	△*14	—	—	—	—	—	○	—
	—	—	—	—	—	—	—	○	○	—	—	—	—	—	△*15	—
	○	—	—	—	—	—	△*16	○	△*16	—	—	○	—	—	○	—
	○	—	—	—	—	—	○	○	○	—	—	○	—	—	○	—
	—	—	—	—	—	—	—	—	—	—	—	○	—	—	○	○
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—
	○	—	—	—	—	—	△*17	—	—	—	—	—	—	—	○	—
	—	—	—	—	—	—	△*18	○	△*18	—	—	—	—	—	○	—
	—	—	—	—	—	—	○	○	○	○	—	—	—	—	○	—
	—	—	—	—	—	—	△*19	△*19	—	—	—	—	—	—	○	—
	—	—	—	—	—	—	—	○*20	—	—	—	—	—	—	○	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—
	—	—	—	—	—	—	—	○*20	—	—	—	—	—	—	○	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—
	—	—	—	—	—	—	—	○	—	—	—	—	—	—	○	—
	—	○	○	—	—	—	—	○	—	○	—	○	○	○	○*21	—
	—	○	○	—	△*21	—	○	○	○	○	—	○	○	○	○*21	—
	—	—	—	○	○*21	—	○	○	○	○	—	○	○	○	○*21	—
	—	—	—	—	○*21	—	—	○	○	○	—	—	○	○	○*21	—
	—	—	—	—	○*22	—	○	○	○	—	—	—	○	○	○*22	—
	—	—	—	—	○	—	○	○	○	○	—	—	○	○	○*23	—
	—	—	—	—	—	—	△*23	○	○	○	—	—	○	○	○*23	—
	—	—	—	—	—	○	○	○	○	○	—	○	○	○	○*24	—

\*19 Model HSR-M1 (for High Temperatures) : Dedicated cap C --- applicable to Model HSR15M1 (only work at room temperature)  
Dedicated cap CV --- applicable to models 20 to 35 (only work at room temperature)

\*20 Model SR/RSR-M1 (for High Temperatures) : Dedicated cap C --- only work at room temperature

\*21 Model SRG : DD --- side nipple required for Model 100.  
JJ, TT --- applicable to models 30X to 65  
Plate cover (see **A1-438**) --- applicable to models 25X to 65,  
AP-HC surface treatment is not available

\*22 Model SRN : Plate cover SV --- applicable to models 35 to 65  
Plate cover (see **A1-455**) --- applicable to models 35 to 65,  
AP-HC surface treatment is not available

\*23 Model SRW : Dedicated CV caps --- applicable to Model SRW130 only,  
AP-HC surface treatment is not available

\*24 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.