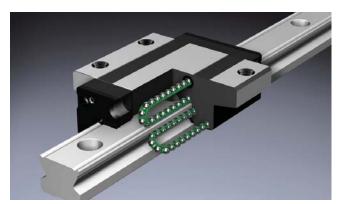
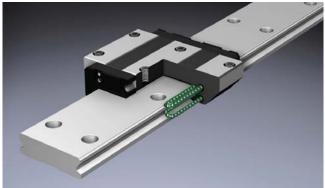
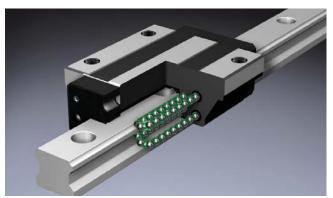


Product Ordering Guide









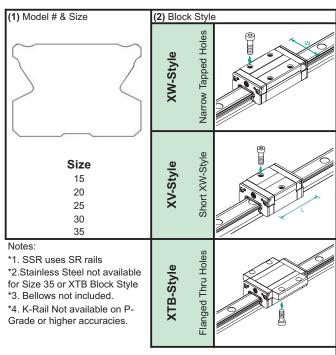
Туре		Load Capacity Diagram	Features	Major Application
Radial model SSR SR	Page 1 Page 5	→ ↓ ←	 Low mounting height, compact design. Optimal for horizontal mounting due to large radial load capacity. 	Grinding machine Semiconductor manufacturing machine Printed circuit board drilling machine 3D measuring instrument Chip mounter Medical equipment
SHS	Page 2	11	 Global standard dimensions. 4-way equal-load design allows these LM Guides to be used in all orientations. 	Machining center NC lathe Drilling machine Electric discharge machine Conveyance system
Wide, low gravity center SHW HRW	Page 3 Page 7	→ ↑ ↓ ↓	 Capable of receiving a large moment due to a 4-way equal-load, wide, low gravity center structure. The geometrical moments of inertia of the LM rail is large and the lateral rigidity is high. 	Printed circuit board drilling machine Semiconductor manufacturing machine Electric discharge machine Insertion machine Optical stage
SRS COMPACT OF	Page 4	→ ↓ ↓	 The most compact type in the Caged Ball LM Guide series. Lightweight, low-inertia structure. 	Semiconductor manufacturing machine Optical stage Medical equipment IC bonder

SSR15 to 35

Block Only Part #: $SSR15 \atop (1)$ $XV \atop (2)$ $1 \atop (3)$ $SS \atop (5)$ $C1 \atop (7)$ $E \atop (10)$ $I1 \atop (21)$ BLOCK

Rail Only Part #*¹: $\frac{SR15}{(1)}$ - $\frac{5240L}{(12)}$ $\frac{F}{(15)}$ $\frac{S}{(17)}$ $\frac{J}{(18)}$ $\frac{T}{(19)}$ $\frac{(GK)}{(21)}$ RAIL

*Note: Sequence of letters in P/N may vary. Please refer to an official THK quotation for final part number.



-	(0)	Name of District on the		.1	
4	(3)	Number of Blocks on one rail			
4	(4)	QZ Lubricator	-	None (no symbol)	
		C	QΖ	QZ Lubricator	
	(5)	Seal Designation U	JU	End Seals	
١		S	SS	End Seals + Side Seals (THK STD)	
١		D	D	Double End Seals + Side Seals	
١		Z	ZZ	End Seals, Side Seals, metal scraper	
١		к	ίK	Double End Seals, Side Seals, metal scraper	
١	(6)	Laminated Contact Scra			
٦	(-)		.	None (no symbol)	
ا،				Laminated Contact Scaper (LaCS)	
				Light Contact Seal	
	(7)			<u> </u>	
١	(7)		-	Normal (no symbol)	
١				Light Preload	
١			S	Custom Preload (Drawing Required)	
١	(8)· ²	Block Material	-	Alloy Steel (no symbol)	
			M	Stainless Steel (includes balls)	
-	(9)	Block Plating	-	None (no symbol)	
		I	F	Contact THK for more Details	
	(10)	Non-Std Block	-	Standard (no symbol)	
١		1	Е	W 117 (1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	
١		;	S	Modification to block (Requires Drawing)	
١	11 ·3	Bellows Prep.	-	None (no symbol)	
١			J	Tapped for Bellows	
١	(12)	Rail Length	•	Overall length in mm	
H			_	Normal (no symbol for Sizes 20,30 & 35)	
١	13	•	_	No Symbol for Size 15 is M3 holes	
١			- Ү	STD for Size 15.25	
١					
١	(4.4)			Tapped Rail	
١	(14)	•	-	Normal (no symbol)	
١			Н	High	
١			Р	Precision	
١		S	SP	Super Precision	
١		U	JP	Ultra Precision	
	(15)	Rail Plating	-	None (no symbol)	
			F	Plating (Contact THK for more Details)	
	(16)· ²	Rail Material	-	Alloy Steel (no symbol)	
			M	Stainless Steel	
	(17)	Non-Std Rail	-	Standard (no symbol)	
		J	E	Modification to roll (Posseire - Pressing)	
١		•	S	Modification to rail (Requires Drawing)	
	(18)·3	Bellows Prep.	-	None (no symbol)	
١			J	Tapped for Bellows	
١	(19)	Jointed Rail	-	Normal (no symbol)	
١	(10)		т	Two or more rails butted end to end	
١				(Drawing Required)	
	(20)	# of Dollo wood in			
	(20)		-	Normal (no symbol)	
		parallel and planar -	-II	Two Rails	
		-	Ш	Three Rails	
		-1	IV	Four Rails	
				Must be ordered on multiples of -xx number.	
	(21)	Interchangeable Series		• · · · · · · · · · · · · · · · · · · ·	
(=1) Interestangeable defies					

GK For Blocks & Rails ordered seperately

*Available only for Normal Accuracy, Normal & Light Preloads, SS or UU Seals & non-plated blocks.



Model No.: SSR15 to 35

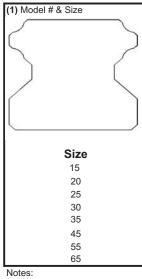
SHS15 to 65

SHS25 С QΖ SS HH C1 S J T Z -II Full Assembly Part #: (9) (12) (13) (14) (15) (16) (17) (18) (19) (20) (2) (3) (5) (10) (4) (6) (8) (11) (1) (7)

(GK) BLOCK SHS25 $\underline{\mathsf{C}}$ 1 <u>SS</u> <u>C1</u> J E **Block Only Part #:** (1) (2) (3) (5) (7) (10) (11) (21)

SHS25 F S 5240L T (GK) RAIL Rail Only Part #: (12)(15)(16) (17) (18) (21) (1)

*Note: Sequence of letters in P/N may vary. Please refer to an official THK quotation for final part number.



- *1. R & LR -Style Blocks not available for Size 20 & 65
- *2. Bellows are not included.
- *3. Not available on P-Grade or higher accuracies.

_				, 、	, , ,		
	(2) Block S	Style		(3)	Number of Blocks on o	ne ra	il
		Holes	(a)	(4)	QZ Lubricator	- QZ	N
	C-Style	Flanged Tapped Holes		(5)	Seal Designation	UU SS DD ZZ KK	E
		-	9 ~ w /	(6)	Laminated Contact Sci	- HH	N L
	V-Style	Narrow Tapped Holes		(7)	Radial Clearance	- C1 C0 CS	N L N
		Narr		(8)	Ball Material	- М	A S
		loles	(C)	(9)	Block Plating	- F	N C
-	R-Style 1	ped F		(10)*2	Bellows Prep.	- J	N T
	R-St	Narrow Tapped Holes		(11)	Non-Std Block	- E S	S
		_	Matches HSRR Height	(12)	Rail Length		C
	LC-Sty	le	Long C-Style Block	(13)	Accuracy Grade	H P SP	N H P S
	LV-Styl	le	Long V-Style Block	(14).3	Tapped Rail	UP - K	N T
				(15)	Rail Plating	- F	N P
	LR-Sty	le	Long R-Style Block	(16)	Non-Std Rail	- Е S	S
				(17)*2	Bellows Prep.	-	N

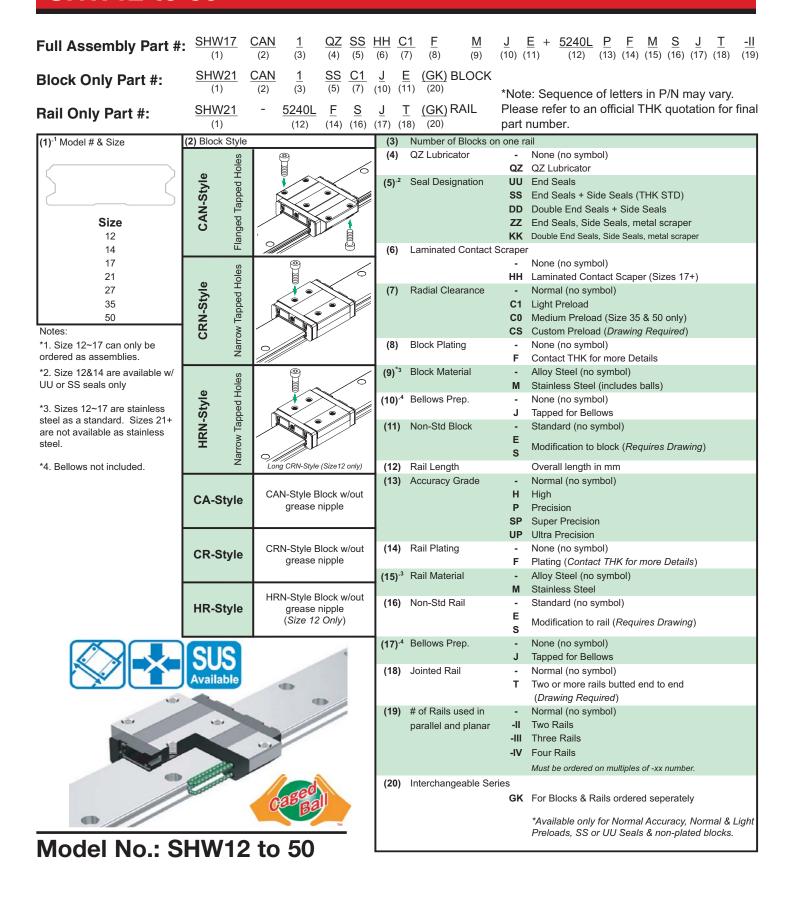


Model No.: SHS15 to 65

J	(3)	Number of Blocks on one rail				
1	(4)	QZ Lubricator	-	None (no symbol)		
1	(5)			QZ Lubricator		
1	(5)	· ·		End Seals		
				End Seals + Side Seals (THK STD) Double End Seals + Side Seals		
ı			ZZ			
				End Seals, Side Seals, metal scraper Double End Seals, Side Seals, metal scraper		
ı	(6)	Laminated Contact Scra		Double End Ocais, Olde Ocais, Metal Scrapel		
1	()		-	None (no symbol)		
			нн	Laminated Contact Scaper (LaCS)		
:	(7)	Radial Clearance	-	Normal (no symbol)		
1			C1	Light Preload		
ı			C0	Medium Preload (Not available for size 15)		
			cs	Custom Preload (Drawing Required)		
	(8)	Ball Material	-	Alloy Steel (no symbol)		
4			М	Stainless Steel Balls (for use w/ plated parts)		
l	(9)	Block Plating	-	None (no symbol)		
		D D	F	Contact THK for more Details		
١	(10) ²	Bellows Prep.	-	None (no symbol)		
	(44)	Non-Otal DI	J	Tapped for Bellows		
	(11)	Non-Std Block	-	Standard (no symbol)		
			E S	Modification to block (Requires Drawing)		
	(12)	Rail Length		Overall length in mm		
1	(13)	Accuracy Grade	-	Normal (no symbol)		
			Н	High		
ı			Р	Precision		
			SP	Super Precision		
			UP	Ultra Precision		
	(14) ³	Tapped Rail	-	None (no symbol)		
	(4.5)	Poil Ploting	K	Tapped Rail for mounting from Below		
4	(15)	Rail Plating	F	None (no symbol)		
	(16)	Non-Std Rail	-	Plating (Contact THK for more Details) Standard (no symbol)		
	(16)	NOIFOLU INAII	Ē	, ,		
			S	Modification to rail (Requires Drawing)		
1	(17) ²	Bellows Prep.	-	None (no symbol)		
			J	Tapped for Bellows		
	(18)	Jointed Rail	-	Normal (no symbol)		
			Т	Two or more rails butted end to end		
	(4-)	0, 17		(Drawing Required)		
	(19)	Steel Tape Cover	-	None (no symbol)		
	(20)	# of Pails used in	Z	With Steel Tape, machining on Rail		
	(20)	# of Rails used in	-	Normal (no symbol)		
		parallel and planar	-II	Two Rails		
			-111	Three Rails		
			-IV	Four Rails		
				Must be ordered on multiples of -xx number.		
	(21)	Interchangeable Series				
			GK	For Blocks & Rails ordered seperately		
				*Available only for Normal Accuracy, Normal & Light		

Preloads, SS or UU Seals & non-plated blocks.

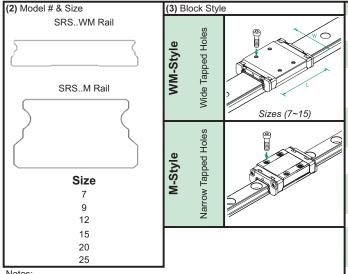
SHW12 to 50



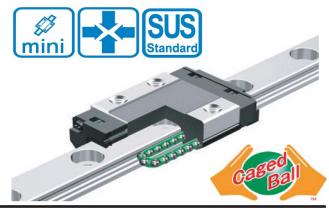
SRS7 to 25

<u>2</u> (1) SRS20 M QΖ <u>SS</u> <u>HH</u> <u>C1</u> F E 5240L -11 Full Assembly Part #*1: (3) (4) (5) (6) (7) (8) (9) (11) (12) (13) (14) (15) (16) (10)

*Note: Sequence of letters in P/N may vary. Please refer to an official THK quotation for final part number.



Notes:



Model No.: SRS7 to 25

		Telel to all	OIII	ciai TTIK quotation foi final part number.
	(1)	Number of Blocks on one rai	il	No symbol for one block
	(4)	QZ Lubricator	-	None (no symbol)
			QΖ	QZ Lubricator
	(5)	Seal Designation	UU	End Seals (THK STD)
			SS	End Seals + Side Seals
	(6)	Laminated Contact Scraper		
			-	Normal (no symbol)
			нн	Laminated Contact Scaper (Size20 & 25)
	(7)	Radial Clearance	-	Normal (no symbol)
$\overline{}$			C1	Light Preload
\geqslant			CS	Custom Preload (Drawing Required)
	(8)	Block Plating	-	None (no symbol)
			F	Contact THK for more Details
	(9)	Non-Std Block	-	Standard (no symbol)
			Е	Modification to block (Requires Drawing)
			S	ν,
4	` '	Rail Length		Overall length in mm
	(11)	Accuracy Grade	-	Normal (no symbol)
			Н	High
			Р	Precision
	(12)	Rail Plating	-	None (no symbol)
	(40)	D 314 4 3 1	F	Plating (Contact THK for more Details)
	` '	Rail Material	M	Standard Stainless Steel
	(14)	Non-Std Rail	-	Standard (no symbol)
			E S	Modification to rail (Requires Drawing)
	(1E)	Jointed Rail	-	Normal (no symbol)
	(13)	Jointed Itali	Т	Two or more rails butted end to end
			٠.	(Drawing Required)
	(16)	# of Rails used in		Normal (no symbol)
	(,	parallel and planar	- -II	Two Rails
		paranor and planta	-III	Three Rails
			-IV	Four Rails
			••	Must be ordered on multiples of -xx number.
- 1				

^{*1.} All SRS's must be ordered as assemblies.

SR15 to 85

SR15

Full Assembly Part #: (1) (2) (3) (8) (11) (12) (13) (14) (15) (16) (17) (18) **SR15** ٧ 1 Ε (GK) BLOCK SS C1 **Block Only Part #:** (2)(3) (5) (8) (9) (19)(1) *Note: Sequence of letters in P/N (GK) RAIL may vary. Please refer to an official **SR15** 5240L F S Τ Υ Rail Only Part #: (10) (11) (13) (15) (16) (17)(19)THK quotation for final part number. (1) Number of Blocks on one rail (1) Model # & Size (2) Block Style Seal Designation **UU** End Seals (4) Narrow Tapped Holes SS End Seals + Side Seals (THK STD) W-Style DD Double End Seals + Side Seals ZZ End Seals, Side Seals, metal scraper KK Double End Seals, Side Seals, metal scraper LL Low Resistance End Seals RR Low Resistance End Seals & Side Seals Radial Clearance Normal (no symbol) C1 Light Preload C0 Medium Preload (Not available for Size 15) Short W-Style Size CS Custom Preload (Drawing Required) V-Style 15 Block Plating Normal (no symbol) (6) Contact THK for more Details 20 25 **Block Material** $(7)^{.1}$ Normal (no symbol) Stainless Steel (inlcudes balls) 30 35 (8)^{,2} Bellows Prep. Normal (no symbol) Tapped for Bellows 45 Flanged Thru Holes 55 Non-Std Block Normal (no symbol) (9) 70 **rB-Style** Modification to block (Requires Drawing) 85 (10) Rail Length Notes: Overall length in mm *1.Stainless Steel not available $(11)^{,3}$ Rail Options Normal (no symbol for Sizes 20,30 & 35) for Size 45 + No Symbol for Size 15 is M3 holes *2. Bellows not included. STD for Size 15,25 *3. K-Rail Not available on P-Tapped Rail Grade or higher accuracies. (12) Accuracy Grade Normal (no symbol) Short TB-Style SB-Style High Р Precision SP Super Precision UP Ultra Precision Normal (no symbol)
Plating (Contact THK for more Details) Rail Plating (13) Rail Material Normal (no symbol) (14)Stainless Steel Non-Std Rail Normal (no symbol) (15)Е Modification to rail (Requires Drawing) S (16).2 Bellows Prep. Normal (no symbol) Tapped for Bellows Jointed Rail Normal (no symbol) Two or more rails butted end to end (Drawing Required) (18) # of Rails used in Normal (no symbol) parallel and planar -II Two Rails -III Three Rails -IV Four Rails Must be ordered on multiples of -xx number. Interchangeable Series GK For Blocks & Rails ordered seperately *Available only for Normal Accuracy, Normal & Light Preloads, SS or UU Seals & non-plated blocks. Model No.: SR15 to 85

C1 F

SS

Ε

F M S

HSR8 to <u>85</u>

HSR25 + 5240L P Full Assembly Part #* : (2) (7) (8) (9) (10) (11) (13) (14) (15) (16) (17) (18) (19) (20) (3) (5) (6) (1) 2 HSR25 Α Ε SS C1 J (GK) BLOCK **Block Only Part #:** (2) (3) (7) (10) (11) (21) (1) *Note: Sequence of letters in P/N may vary. HSR25 5240L F S T (GK) RAIL Please refer to an official THK quotation for J Rail Only Part #: final part number. (1)(12)(15) (17) (18) (19) (21) (1) Model # & Size (2) Block Style Number of Blocks on one rail (3) QZ Lubricator None (no symbol) (4) Flanged Tapped Holes **QZ** QZ Lubricator Seal Designation **UU** End Seals A-Style \$\$ End Seals + Side Seals (THK STD) DD Double End Seals + Side Seals ZZ End Seals, Side Seals, metal scraper KK Double End Seals, Side Seals, metal scraper LL Low Resistance End Seals RR Low Resistance End Seals & Side Seals Flanged Thru Holes (6) Laminated Contact Scraper Size None (no symbol) **B-Style** 8 **HH** Laminated Contact Scaper 10 (7) Radial Clearance Normal (no symbol) C1 Light Preload 12 C0 Medium Preload (Not available sizes 8-15) 15 20 Custom Preload (Drawing Required) 25 **Block Plating** None (no symbol) **Tapped Holes** 30 Contact THK for more Details $(9)^{-3}$ 35 **Block Material** Alloy Steel (no symbol) R-Style 45 Stainless Steel (includes balls) 55 Non-Std Block Standard (no symbol) 65 Ε Modification to block (Requires Drawing) Bellows Prep. Normal (no symbol) Notes: (11)⁻⁴ *1. Sizes 8~12 are only available Tapped for Bellows Tapped Holes as assemblies. (12) Rail Length Overall length in mm (13) Accuracy Grade Normal (no symbol) *2. Sizes 8~12 are only available YR-Style with UU seals Н Hiah *3. Sizes 8~12 are stainless steel. Precision Stainless steel is not available over SP Super Precision UP Ultra Precision *4. Bellows are not included. (14)^{,5} Tapped Rail None (no symbol) Tapped Rail for mounting from Below *5. Not available on P-Grade or higher accuracies. Rail Plating None (no symbol) LA-Style Long A-Style Block Plating (Contact THK for more Details) (16),3 Rail Material Alloy Steel (no symbol) Stainless Steel Non-Std Rail Standard (no symbol) LB-Style Long B-Style Block Modification to rail (Requires Drawing) (18)*4 Bellows Prep. None (no symbol) Tapped for Bellows Long R-Style Block LR-Style (19) Jointed Rail Normal (no symbol) Two or more rails butted end to end (Drawing Required) # of Rails used in Normal (no symbol) parallel and planar -II Two Rails -III Three Rails -IV Four Rails Must be ordered on multiples of -xx number. (21) Interchangeable Series GK For Blocks & Rails ordered seperately *Available only for Normal Accuracy, Normal & Light Preloads, SS or UU Seals & non-plated blocks.

Model No.: HSR8 to 85

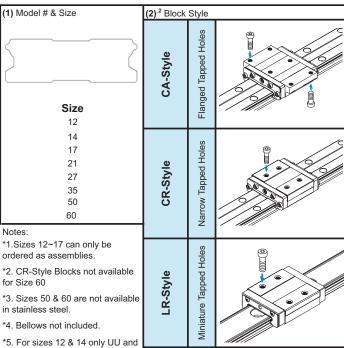
HRW12 to 60

HRW21 CA C1 + 1000L Full Assembly Part #* : (2) (3)(5) $\overline{(6)}$ (8) $(\overline{11})$ $(\overline{12})$ $(\overline{13})$ $(\overline{14})$ $(\overline{15})$ $(\overline{16})$ $(\overline{17})$ (4) (7) (9)(1)

Number of Blocks on one rail

UU C1 E (GK) BLOCK HRW21 CA 1 **Block Only Part #:** (2) (3) (4) (5) (8) (9) (18)(1)

may vary. Please refer to an official HRW21 1000L F S Τ J (GK) RAIL **Rail Only Part #:** THK quotation for final part number. (14)(10)(12)(15)(16) (18) (1)



(4).5 Seal Designation UU End Seals (THK STD) SS End Seals + Side Seals DD Double End Seals + Side Seals ZZ End Seals, Side Seals, metal scraper KK Double End Seals, Side Seals, metal scraper (5) Radial Clearance Normal (no symbol) C1 Light Preload C0 Medium Preload (Not available for Sizes 12-27) Custom Preload (Drawing Required) (6) Block Plating Normal (no symbol) Contact THK for more Details (7).3 Block Material Normal (no symbol) Stainless Steel (includes balls) (8).4 Bellows Prep. Normal (no symbol) Tapped for Bellows (9) Non-Std Block Normal (no symbol) Modification to block (Requires Drawing) (10) Rail Length Overall length in mm (11) Accuracy Grade Normal (no symbol) Р Precision

(12) Rail Plating

Ultra Precision (Not available for sizes 12 & 14) Normal (no symbol) Plating (Contact THK for more Details)

Super Precision

(13) Rail Material Normal (no symbol) Stainless Steel

SP

(14) Non-Std Rail Normal (no symbol) Modification to rail (Requires Drawing)

(15) Bellows Prep. Normal (no symbol) Tapped for Bellows

(16) Jointed Rail Normal (no symbol) Two or more rails butted end to end

(Requires Drawing) (17) # of Rails used in Normal (no symbol)

parallel and planar Two Rails -II Three Rails

Four Rails

Must be ordered on multiples of -xx number.

(18) Interchangeable Series

GK For Blocks & Rails ordered seperately *Available only for Normal Accuracy, Normal & & Light Preloads, SS or UU Seals & non-plated blocks



Model No.: HRW12 to 60

The Mark of Linear Motion

SS are available, sizes 17 & 21

cannot have a side seal.

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DETROIT

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BOSTON

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LOS ANGELES Tel: (949) 955-3145 SAN FRANCISCO

*Note: Sequence of letters in P/N

Tel: (925) 455-8948

ATLANTA

Tel: (770) 840-7990

THK CANADA TORONTO

Tel: (905) 820-7800

THK MEXICO

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