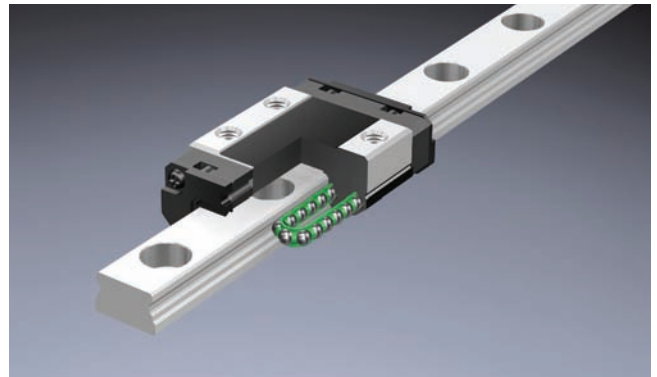
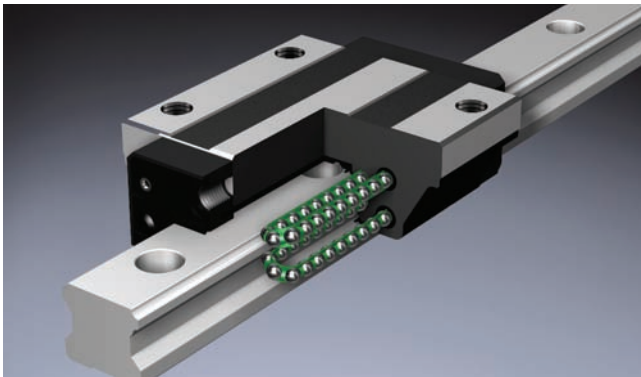
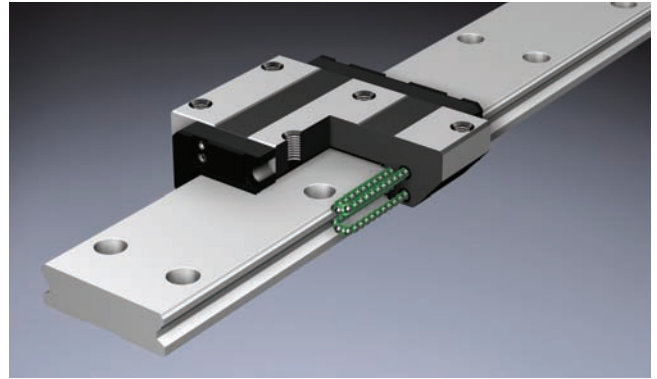
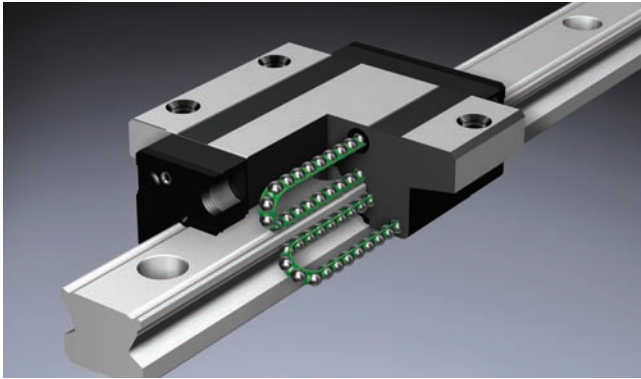

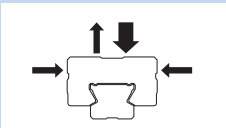

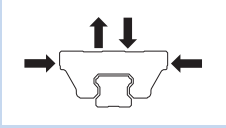

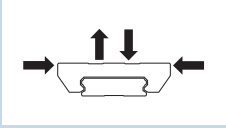

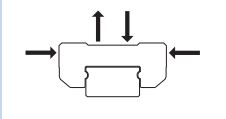


Product Ordering Guide



Type	Load Capacity Diagram	Features	Major Application
Radial model SSR  Page 1 SR Page 5		<ul style="list-style-type: none"> • Low mounting height, compact design. • Optimal for horizontal mounting due to large radial load capacity. 	Grinding machine Semiconductor manufacturing machine High speed transfer equipment Ultra precision table Packaging machine Medical equipment
Global standard model SHS  Page 2 HSR Page 6		<ul style="list-style-type: none"> • 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 model SHW  Page 3 HRW Page 7		<ul style="list-style-type: none"> • 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
Lightweight, compact model SRS  Page 4		<ul style="list-style-type: none"> • The most compact type in the Caged Ball LM Guide series. • Lightweight, low-inertia structure. 	Semiconductor manufacturing machine Optical stage Medical equipment IC bonder

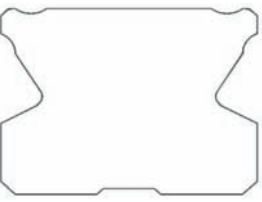
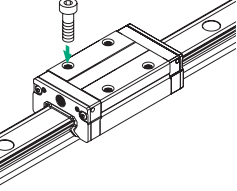
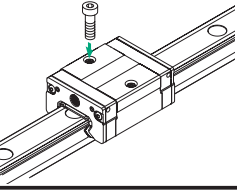
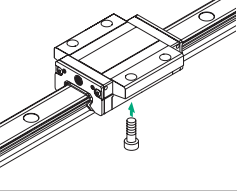
SSR

Full Assembly Part #: SSR15 XV 1 QZ SS HH C1 M F E J + 5240L Y P F M S J T -II
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)

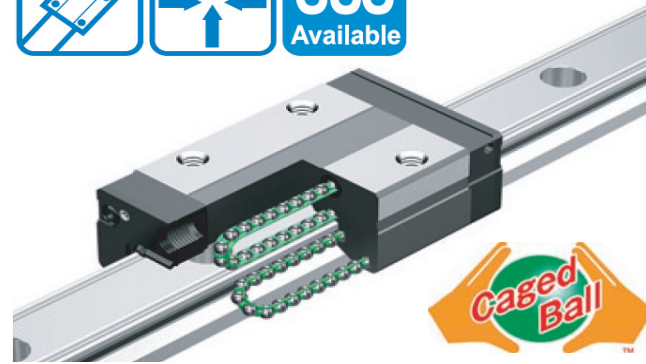
Block Only Part #: SSR15 XV 1 SS C1 E J (GK) BLOCK
 (1) (2) (3) (5) (7) (10) (11) (21)

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

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

(1) Model # & Size	(2) Block Style	(3) Number of Blocks on one Rail
 <p>Size 15 20 25 30 35</p>	XW-Style Narrow Tapped Holes 	(4) QZ Lubricator - None (no symbol) QZ QZ Lubricator (5) Seal Designation UU End Seals SS 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
	XV-Style Short XW-Style 	(6) Laminated Contact Scrapper - None (no symbol) HH Laminated Contact Scaper (LaCS) GG Light Contact Seal PP Light Contact Seal + Side Seal (7) Radial Clearance - Normal (no symbol) C1 Light Preload CS Custom Preload (<i>Drawing required</i>)
	XTB-Style Flanged Thru Holes 	(8)² Block Material - Alloy Steel (no symbol) M Stainless Steel (includes balls) (9) Block Plating - None (no symbol) F Contact THK for more details (10) Non-Std Block - Standard (no symbol) E S Modification to block (<i>Drawing required</i>) 11⁻³ Bellows Prep. - None (no symbol) J Tapped for Bellows (12) Rail Length Overall length in mm 13⁻⁴ Rail Options - Normal (no symbol for Sizes 20,30 & 35) - No Symbol for Size 15 is M3 holes Y Std for Size 15,25 K Tapped Rail (14) Accuracy Grade - Normal (no symbol) H High P Precision SP Super Precision UP Ultra Precision (15) Rail Plating - None (no symbol) F Plating (<i>Contact THK for more details</i>) (16)² Rail Material - Alloy Steel (no symbol) M Stainless Steel (17) Non-Std Rail - Standard (no symbol) E S Modification to rail (<i>Drawing required</i>) (18)⁻³ Bellows Prep. - None (no symbol) J Tapped for Bellows (19) Jointed Rail - Normal (no symbol) T Two or more rails butted end to end <i>(Drawing Required)</i> (20) # of Rails used in parallel and planar - Normal (no symbol) -II Two Rails -III Three Rails -IV Four Rails <i>Must be ordered on multiples of -xx number.</i> (21) Interchangeable Series GK For Blocks & Rails ordered separately

Notes:
 *1. SSR uses SR rails
 *2. Stainless Steel not available for Size 35 or XTB Block Style
 *3. Bellows not included.
 *4. K-Rail Not available on P-Grade or higher accuracies.



Model No.: SSR15 to 35

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

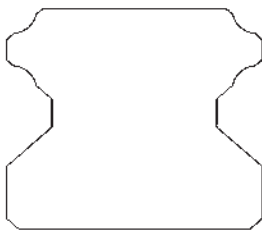
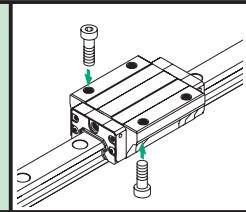
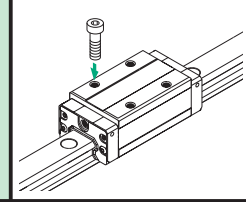
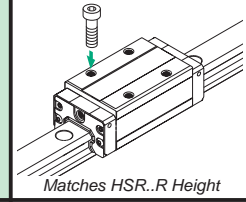



SHS

Full Assembly Part #: SHS25 (1) C (2) 1 (3) QZ (4) SS (5) HH (6) C1 (7) M (8) F (9) J (10) E + 5240L (11) P (12) K (13) F (14) S (15) J (16) T (17) Z (18) -II (19) (20)

Block Only Part #: SHS25 (1) C (2) 1 (3) SS (5) C1 (7) J (10) E (11) (GK) (21) BLOCK

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

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

(1) Model # & Size	(2) Block Style	(3) Number of Blocks on one Rail
 <p>Size 15 20 25 30 35 45 55 65</p> <p>Notes: *1. R & LR -Style Blocks not available for Size 20 and 65 *2. Bellows are not included. *3. Not available on P-Grade or higher accuracies.</p>	C-Style Flanged Tapped Holes 	(4) QZ Lubricator - None (no symbol) QZ QZ Lubricator (5) Seal Designation UU End Seals SS 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 (6) Laminated Contact Scraper - None (no symbol) HH Laminated Contact Scraper (LaCS)
	V-Style Narrow Tapped Holes 	(7) Radial Clearance - Normal (no symbol) C1 Light Preload C0 Medium Preload (Not available for size 15) CS Custom Preload (<i>Drawing required</i>)
	R-Style ¹ Narrow Tapped Holes  <p><i>Matches HSR..R Height</i></p>	(8) Ball Material - Alloy Steel (no symbol) M Stainless Steel Balls (for use w/ plated parts) (9) Block Plating - None (no symbol) F Contact THK for more Details (10) ² Bellows Prep. - None (no symbol) J Tapped for Bellows (11) Non-Std Block - Standard (no symbol) E S Modification to block (<i>Drawing required</i>)
	LC-Style Long C-Style Block	(12) Rail Length Overall length in mm (13) Accuracy Grade - Normal (no symbol) H High P Precision SP Super Precision UP Ultra Precision
	LV-Style Long V-Style Block	(14) ³ Tapped Rail - None (no symbol) K Tapped Rail for mounting from bottom (15) Rail Plating - None (no symbol) F Plating (<i>Contact THK for more details</i>)
	LR-Style Long R-Style Block	(16) Non-Std Rail - Standard (no symbol) E S Modification to rail (<i>Drawing required</i>) (17) ² Bellows Prep. - None (no symbol) J Tapped for Bellows (18) Jointed Rail - Normal (no symbol) T Two or more rails butted end to end (<i>Drawing required</i>)
  		(19) Steel Tape Cover - None (no symbol) Z With Steel Tape, machining on Rail (20) # of Rails used in parallel and planar - Normal (no symbol) -II Two Rails -III Three Rails -IV Four Rails <i>Must be ordered on multiples of -xx number.</i> (21) Interchangeable Series GK For Blocks & Rails ordered separately

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


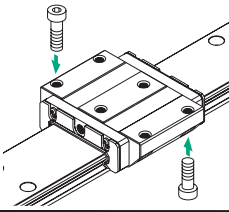
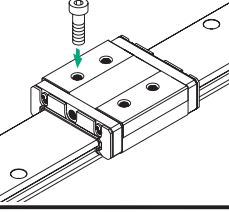
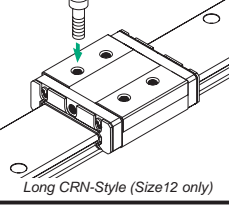
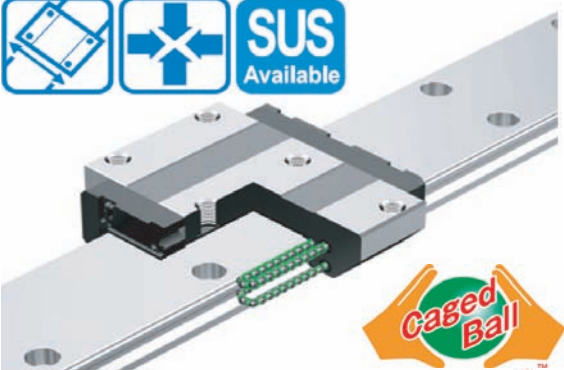



Model No.: SHS15 to 65

Full Assembly Part #: SHW17 (1) CAN (2) 1 (3) QZ (4) SS (5) HH (6) C1 (7) F (8) M (9) J (10) E (11) + 5240L (12) P (13) F (14) M (15) S (16) J (17) T (18) -II (19)

Block Only Part #: SHW21 (1) CAN (2) 1 (3) SS (5) C1 (7) J (10) E (11) (GK) BLOCK (20)

Rail Only Part #: SHW21 (1) - 5240L (12) F (14) S (16) J (17) T (18) (GK) RAIL (20)

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



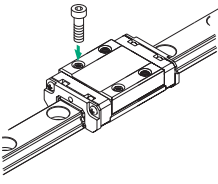
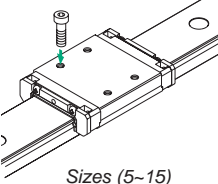
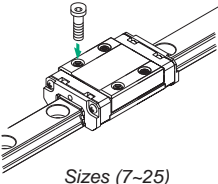
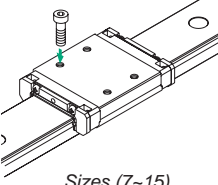
(1) ¹ Model # & Size	(2) Block Style		(3) Number of Blocks on one Rail	
 <p>Size 12 14 17 21 27 35 50</p> <p>Notes: *1. Size 12-17 can only be ordered as assemblies. *2. Size 12&14 are available with UU or SS seals only *3. Sizes 12-17 are stainless steel as standard. Sizes 21+ are not available as stainless steel. *4. Bellows not included.</p>	CAN-Style Flanged Tapped Holes 	CRN-Style Narrow Tapped Holes 	(4) QZ Lubricator - None (no symbol) QZ QZ Lubricator	
			HRN-Style Narrow Tapped Holes  <p><i>Long CRN-Style (Size 12 Only)</i></p>	(5) ² Seal Designation UU End Seals SS 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
	CA-Style CAN-Style Block w/out grease nipple	CR-Style CRN-Style Block w/out grease nipple		HR-Style HRN-Style Block w/out grease nipple (Size 12 Only)
	 <p>    </p>			(7) Radial Clearance - Normal (no symbol) C1 Light Preload C0 Medium Preload (Size 35 & 50 only) CS Custom Preload (<i>Drawing required</i>)
				(8) Block Plating - None (no symbol) F Contact THK for more Details
				(9) ³ Block Material - Alloy Steel (no symbol) M Stainless Steel (includes balls)
		(10) ⁴ Bellows Prep. - None (no symbol) J Tapped for Bellows		
		(11) Non-Std Block - Standard (no symbol) E Modification to block (<i>Drawing required</i>) S		
		(12) Rail Length Overall length in mm		
		(13) Accuracy Grade - Normal (no symbol) H High P Precision SP Super Precision UP Ultra Precision		
		(14) Rail Plating - None (no symbol) F Plating (<i>Contact THK for more details</i>)		
		(15) ³ Rail Material - Alloy Steel (no symbol) M Stainless Steel		
		(16) Non-Std Rail - Standard (no symbol) E Modification to rail (<i>Drawing required</i>) S		
		(17) ⁴ Bellows Prep. - None (no symbol) J Tapped for Bellows		
		(18) Jointed Rail - Normal (no symbol) T Two or more rails butted end to end (<i>Drawing required</i>)		
		(19) # of Rails used in parallel and planar - Normal (no symbol) -II Two Rails -III Three Rails -IV Four Rails <i>Must be ordered on multiples of -xx number.</i>		
		(20) Interchangeable Series GK For Blocks & Rails ordered separately		

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

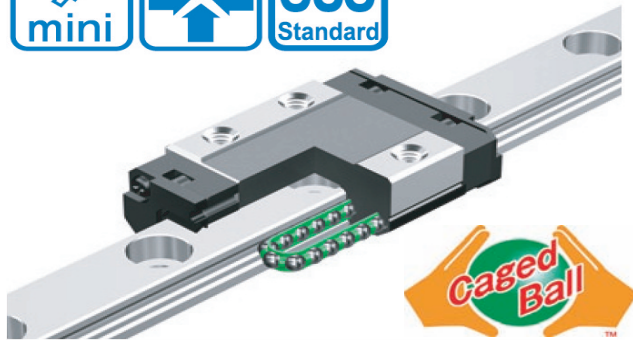
Model No.: SHW12 to 50

Full Assembly Part #*¹: 2 SRS20 M QZ SS HH C1 F E + 5240L P F M S T -II
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16)

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

(2) Model # & Size SRS..WM Rail  SRS..M Rail  Size 5 7 9 12 15 20 25	(3) Block Style		(1) Number of Blocks on one Rail No symbol for one block
	M-Style Narrow Tapped Holes 		(4) QZ Lubricator - None (no symbol) QZ QZ Lubricator
	WM-Style Wide Tapped Holes  Sizes (5-15)		(5) Seal Designation UU End Seals (THK Std) SS End Seals + Side Seals
	GM-Style Full Ball Type Narrow Tapped Holes  Sizes (7-25)		(6) Laminated Contact Scrapper - Normal (no symbol) HH Laminated Contact Scapper (Size20 & 25)
	WGM-Style Full Ball Type Wide Tapped Holes  Sizes (7-15)		(7) Radial Clearance - Normal (no symbol) C1 Light Preload CS Custom Preload (Drawing required)
			(8) Block Plating - None (no symbol) F Contact THK for more Details
			(9) Non-Std Block - Standard (no symbol) E Modification to block (Drawing required) S
			(10) Rail Length Overall length in mm
			(11) Accuracy Grade - Normal (no symbol) H High P Precision
			(12) Rail Plating - None (no symbol) F Plating (Contact THK for more details)
			(13) Rail Material M Standard Stainless Steel
			(14) Non-Std Rail - Standard (no symbol) E Modification to rail (Drawing required) S
			(15) Jointed Rail - Normal (no symbol) T Two or more rails butted end to end (Drawing required)
			(16) # of Rails used in parallel and planar - Normal (no symbol) -II Two Rails -III Three Rails -IV Four Rails Must be ordered on multiples of -xx number.

Notes:
 *1. All SRS's must be ordered as assemblies.



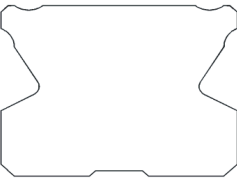
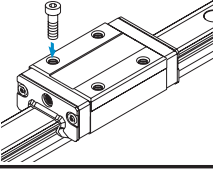
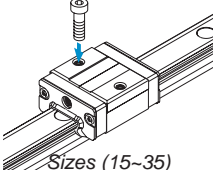
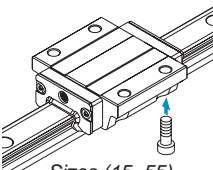
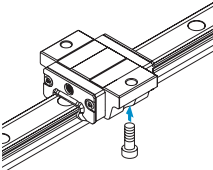
Model No.: SRS5 to 25

Full Assembly Part #: SR15 V 1 SS C1 F M J E + 5240L Y P F M S J T -II
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18)

Block Only Part #: SR15 V 1 SS C1 J E (GK) BLOCK
 (1) (2) (3) (4) (5) (8) (9) (19)

Rail Only Part #: SR15 - 5240L Y F S J T (GK) RAIL may vary. Please refer to an official THK quotation for final part number.
 (1) (10) (11) (13) (15) (16) (17) (19)

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

(1) Model # & Size	(2) Block Style	(3) Number of Blocks on one Rail	(4) Seal Designation
 <p>Size 15 20 25 30 35 45 55 70 85 150</p> <p>Notes: *1. Stainless Steel not available for Size 45 + *2. Bellows not included. *3. K-Rail Not available on P-Grade or higher accuracies.</p>	W-Style Narrow Tapped Holes 	(5) Radial Clearance - Normal (no symbol) C1 Light Preload C0 Medium Preload (<i>Not available for Size 15</i>) CS Custom Preload (<i>Drawing required</i>) (6) Block Plating - Normal (no symbol) F Contact THK for more details (7)⁻¹ Block Material - Normal (no symbol) M Stainless Steel (includes balls) (8)⁻² Bellows Prep. - Normal (no symbol) (9) Non-Std Block - Normal (no symbol) E Modification to block (<i>Drawing required</i>) (10) Rail Length Overall length in mm (11)⁻³ Rail Options - Normal (no symbol for Sizes 20,30 & 35) - No Symbol for Size 15 is M3 holes Y Std for Size 15,25 K Tapped Rail (12) Accuracy Grade - Normal (no symbol) H High P Precision SP Super Precision UP Ultra Precision (13) Rail Plating - Normal (no symbol) F Plating (<i>Contact THK for more details</i>) (14) Rail Material - Normal (no symbol) M Stainless Steel (15) Non-Std Rail - Normal (no symbol) E Modification to rail (<i>Drawing required</i>) (16)⁻² Bellows Prep. - Normal (no symbol) J Tapped for Bellows (17) Jointed Rail - Normal (no symbol) T Two or more rails butted end to end (<i>Drawing required</i>) (18) # of Rails used in parallel and planar - Normal (no symbol) -II Two Rails -III Three Rails -IV Four Rails <i>Must be ordered on multiples of -xx number.</i> (19) Interchangeable Series GK For Blocks & Rails ordered separately <i>*Available only for Normal Accuracy, Normal & Light Preloads, SS or UU Seals & non-plated blocks.</i>	UU End Seals SS 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
	V-Style Short W-Style  <p>Sizes (15-35)</p>		
	TB-Style Flanged Thru Holes  <p>Sizes (15-55)</p>		
	SB-Style Short TB-Style  <p>Sizes (15-35)</p>		



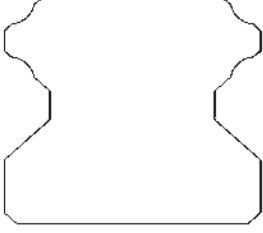
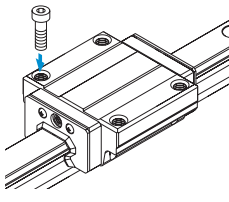
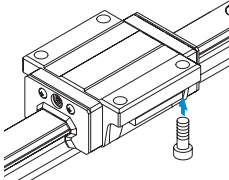
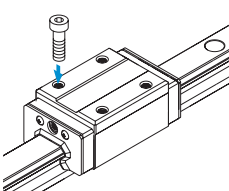
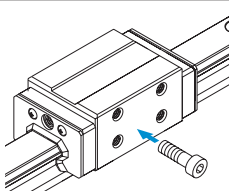

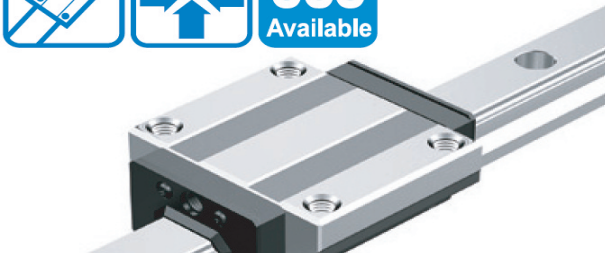
Model No.: SR15 to 150

Full Assembly Part #*1: HSR25 (1) A (2) 2 (3) QZ (4) SS (5) HH (6) C1 (7) F (8) M (9) E (10) J (11) + 5240L (12) P (13) K (14) F (15) M (16) S (17) J (18) T (19) -II (20)

Block Only Part #: HSR25 (1) A (2) 2 (3) SS (5) C1 (7) E (10) J (11) (GK) BLOCK (21)

Rail Only Part #: HSR25 (1) - 5240L (12) F (15) S (17) J (18) T (19) (GK) RAIL (21)

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

(1) Model # & Size	(2) Block Style	(3) Number of Blocks on one Rail
 <p>Size 8 10 12 15 20 25 30 35 45 55 65 85</p>	A-Style Flanged Tapped Holes 	(4) QZ Lubricator - None (no symbol) QZ QZ Lubricator (5)² Seal Designation UU End Seals SS 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
	B-Style Flanged Thru Holes 	(6) Laminated Contact Scraper - None (no symbol) HH Laminated Contact Scaper (7) Radial Clearance - Normal (no symbol) C1 Light Preload C0 Medium Preload (Not available sizes 8-15) CS Custom Preload (<i>Drawing required</i>)
	R-Style Narrow Tapped Holes 	(8) Block Plating - None (no symbol) F Contact THK for more details (9)³ Block Material - Alloy Steel (no symbol) M Stainless Steel (includes balls) (10) Non-Std Block - Standard (no symbol) E Modification to block (<i>Drawing required</i>) S
	YR-Style Side Tapped Holes 	(11)⁴ Bellows Prep. - Normal (no symbol) J Tapped for Bellows (12) Rail Length Overall length in mm (13) Accuracy Grade - Normal (no symbol) H High P Precision SP Super Precision UP Ultra Precision
	LA-Style Long A-Style Block	(14)⁵ Tapped Rail - None (no symbol) K Tapped Rail for mounting from Below (15) Rail Plating - None (no symbol) F Plating (<i>Contact THK for more details</i>)
	LB-Style Long B-Style Block	(16)³ Rail Material - Alloy Steel (no symbol) M Stainless Steel (17) Non-Std Rail - Standard (no symbol) E Modification to rail (<i>Drawing required</i>) S
LR-Style Long R-Style Block	(18)⁴ Bellows Prep. - None (no symbol) J Tapped for Bellows (19) Jointed Rail - Normal (no symbol) T Two or more rails butted end to end (<i>Drawing Required</i>)	
		(20) # of Rails used in parallel and planar - Normal (no symbol) -II Two Rails -III Three Rails -IV Four Rails <i>Must be ordered on multiples of -xx number.</i>
		(21) Interchangeable Series GK For Blocks & Rails ordered separately <i>*Available only for Normal Accuracy, Normal & Light Preloads, SS or UU Seals & non-plated blocks.</i>


Model No.: HSR8 to 85

Full Assembly Part #*1: HRW21 CA 1 UU C1 F M J E + 1000L P F M S J T -II
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17)

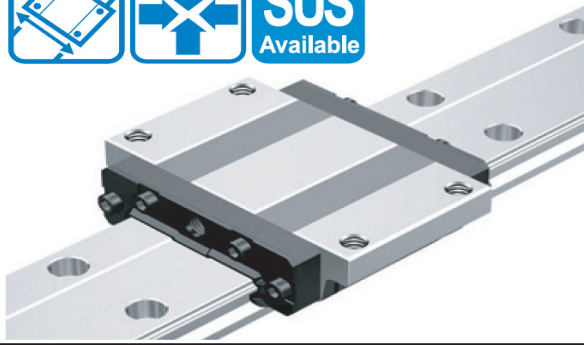
Block Only Part #: HRW21 CA 1 UU C1 J E (GK) BLOCK
 (1) (2) (3) (4) (5) (8) (9) (18)

Rail Only Part #: HRW21 - 1000L F S T J (GK) RAIL
 (1) (10) (12) (14) (15) (16) (18)

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

(1) Model # & Size	(2) ² Block Style		(3) Number of Blocks on one Rail
 <p>Size</p> <p>12 14 17 21 27 35 50 60</p>	CA-Style	Flanged Tapped Holes	<p>(4)⁵ Seal Designation</p> <p>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</p> <p>(5) Radial Clearance</p> <p>- Normal (no symbol) C1 Light Preload C0 Medium Preload (<i>Not available for Sizes 12-27</i>) CS Custom Preload (<i>Drawing required</i>)</p>
		CR-Style	
	LR-Style	Miniature Tapped Holes	<p>(8)⁴ Bellows Prep.</p> <p>- Normal (no symbol) J Tapped for Bellows</p> <p>(9) Non-Std Block</p> <p>- Normal (no symbol) E Modification to block (<i>Drawing required</i>) S</p>
<p>(10) Rail Length</p> <p>Overall length in mm</p> <p>(11) Accuracy Grade</p> <p>- Normal (no symbol) H High P Precision SP Super Precision UP Ultra Precision (<i>Not available for sizes 12 & 14</i>)</p>			<p>(12) Rail Plating</p> <p>- Normal (no symbol) F Plating (<i>Contact THK for more details</i>)</p> <p>(13) Rail Material</p> <p>- Normal (no symbol) M Stainless Steel</p>
<p>(14) Non-Std Rail</p> <p>- Normal (no symbol) E Modification to rail (<i>Drawing required</i>) S</p>			<p>(15) Bellows Prep.</p> <p>- Normal (no symbol) J Tapped for Bellows</p>
<p>(16) Jointed Rail</p> <p>- Normal (no symbol) T Two or more rails butted end to end (<i>Drawing required</i>)</p>			<p>(17) # of Rails used in parallel and planar</p> <p>- Normal (no symbol) -II Two Rails -III Three Rails -IV Four Rails <i>Must be ordered on multiples of -xx number.</i></p>
<p>(18) Interchangeable Series</p> <p>GK For Blocks & Rails ordered separately <i>*Available only for Normal Accuracy, Normal & Light Preloads, SS or UU Seals & non-plated blocks</i></p>			

Notes:
 *1. Sizes 12-17 can only be ordered as assemblies.
 *2. CR-Style Blocks not available for Size 60
 *3. Sizes 50 & 60 are not available in stainless steel.
 *4. Bellows not included.
 *5. For sizes 12 & 14 only UU and SS are available, sizes 17 & 21 cannot have a side seal.



Model No.: HRW12 to 60



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