

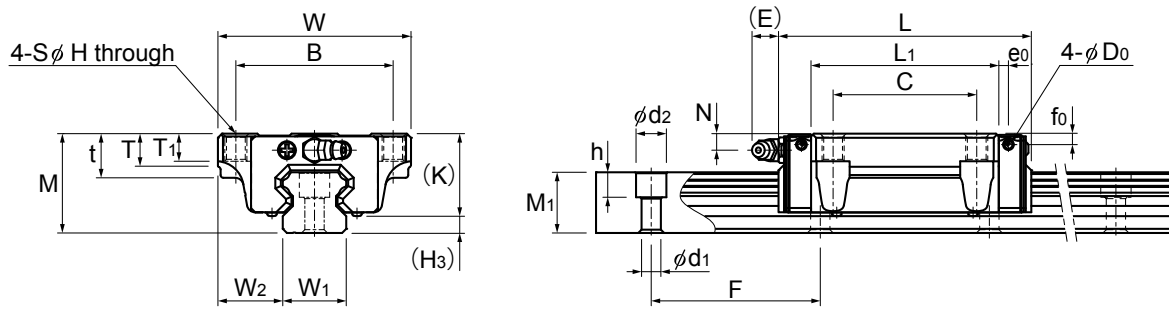
Product Ordering Guide

Linear Motion Guide

SHS/SSR/SHW/SRS
HSR/SR/HRW/SRS-G



Basic Specifications - HSR



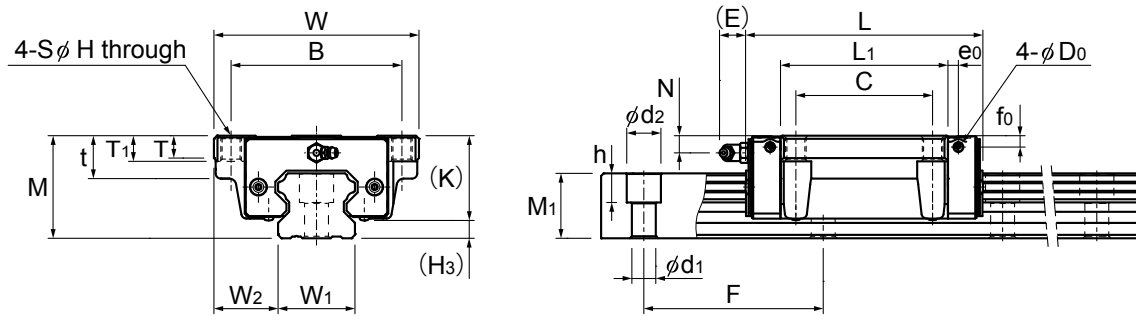
Models HSR15 to 35C/LC

HSR-C/XC/LC/XLC

MODEL NO.	OUTER DIMENSIONS			LM BLOCK DIMENSIONS												PILOT HOLE FOR SIDE NIPPLE			
	HEIGHT M	WIDTH W	LENGTH L	B	C	S	H	L ₁	t	T	T ₁	K	N	E	GREASE NIPPLE	e ₀	f ₀	D ₀	
HSR15C	24	47	56.6	38	30	M5	4.5	38.8	11	7	7	19.3	4.3	5.5	PB1021B	3.2	3.9	3	
HSR15LC	24	47	74.6	38	30	M5	4.5	56.8	11	7	7	19.3	4.3	5.5	PB1021B	3.2	3.9	3	
HSR20C	30	63	74	53	40	M6	5.4	50.8	10	9.5	10	26	5	12	B-M6F	3.1	3.4	3	
HSR20LC	30	63	90	53	40	M6	5.4	66.8	10	9.5	10	26	5	12	B-M6F	3.1	3.4	3	
HSR25C	36	70	83.1	57	45	M8	6.8	59.5	16	11	16	30.5	6	12	B-M6F	3.5	4	3	
HSR25LC	36	70	102.2	57	45	M8	6.8	78.6	16	11	16	30.5	6	12	B-M6F	3.5	4	3	
HSR30C	42	90	98	72	52	M10	8.5	70.4	18	9	18	35	7	12	B-M6F	5.2	6.2	5.2	
HSR30LC	42	90	120.6	72	52	M10	8.5	93	18	9	18	35	7	12	B-M6F	5.2	6.2	5.2	
HSR35C	48	100	109.4	82	62	M10	8.5	80.4	21	12	21	40.5	8	12	B-M6F	5.5	5.6	5.2	
HSR35LC	48	100	134.8	82	62	M10	8.5	105.8	21	12	21	40.5	8	12	B-M6F	5.5	5.6	5.2	
HSR45C	60	120	139	100	80	M12	10.5	98	25	13	15	50	10	16	B-PT1/8	6.1	6.6	5.2	
HSR45LC	60	120	170.8	100	80	M12	10.5	129.8	25	13	15	50	10	16	B-PT1/8	6.1	6.6	5.2	
HSR55C	70	140	163	116	95	M14	12.5	118	29	13.5	17	57	11	16	B-PT1/8	5.6	7.7	5.2	
HSR55LC	70	140	201.1	116	95	M14	12.5	156.1	29	13.5	17	57	11	16	B-PT1/8	5.6	7.7	5.2	
HSR65XC	90	170	190.5	142	110	M16	14.5	138.5	37	21.5	23	76	19	16	B-PT1/8	6.8	14.6	5.2	
HSR65XLC	90	170	250	142	110	M16	14.5	198	37	21.5	23	76	19	16	B-PT1/8	6.8	14.6	5.2	

Note) ■ Static permissible moment: 1 block - Static permissible moment with one LM block
Double blocks - Static permissible moment when two LM blocks are in close contact with each other.

■ LM block length L: The block length L shown in the tables above is the length with UU or SS for seal designation.
If other seal designation or with lubricant components, the block length will be increased (Refer to page 75 – 78)



Models HSR45 to 65C/LC/XC/XLC

Unit = mm

	H ₃	LM RAIL DIMENSIONS						BASIC LOAD RATING		STATIC PERMISSIBLE MOMENT kN • M					MASS	
		WIDTH W1 ±0.05	W2	HEIGHT M1	PITCH F	d1×d2×h	STANDARD MAX LENGTH	C kN	C0 kN	M _A		M _B		M _C	LM BLOCK kg	LM RAIL kg/m
																
	4.7	15	16	15	60	4.5×7.5×5.3	3000	10.9	15.7	0.0945	0.527	0.0945	0.527	0.0998	0.2	1.5
	4.7	15	16	15	60	4.5×7.5×5.3	3000	14.2	22.9	0.194	0.984	0.194	0.984	0.145	0.29	1.5
	4	20	21.5	18	60	6×9.5×8.5	3000	19.8	27.4	0.218	1.2	0.218	1.2	0.235	0.35	2.3
	4	20	21.5	18	60	6×9.5×8.5	3000	23.9	35.8	0.363	1.87	0.363	1.87	0.307	0.47	2.3
	5.5	23	23.5	22	60	7×11×9	3000	27.6	36.4	0.324	1.8	0.324	1.8	0.366	0.59	3.3
	5.5	23	23.5	22	60	7×11×9	3000	35.2	51.6	0.627	3.04	0.627	3.04	0.518	0.75	3.3
	7	28	31	26	80	9×14×12	3000	40.5	53.7	0.599	3.1	0.599	3.1	0.652	1.1	4.8
	7	28	31	26	80	9×14×12	3000	48.9	70.2	0.995	4.89	0.995	4.89	0.852	1.3	4.8
	7.5	34	33	29	80	9×14×12	3000	53.9	70.2	0.895	4.51	0.895	4.51	1.05	1.6	6.6
	7.5	34	33	29	80	9×14×12	3000	65	91.7	1.49	7.13	1.49	7.13	1.37	2	6.6
	10	45	37.5	38	105	14×20×17	3090	82.2	101	1.5	8.37	1.5	8.37	1.94	2.8	11
	10	45	37.5	38	105	14×20×17	3090	100	135	2.59	13.4	2.59	13.4	2.6	3.3	11
	13	53	43.5	44	120	16×23×20	3060	121	146	2.6	14.1	2.6	14.1	3.43	4.5	15.1
	13	53	43.5	44	120	16×23×20	3060	148	194	4.46	22.7	4.46	22.7	4.56	5.7	15.1
	14	63	53.5	53	150	18×26×22	3000	195	228	5.08	25	5.08	25	6.2	8.5	22.5
	14	63	53.5	53	150	18×26×22	3000	249	323	9.81	45.6	9.81	45.6	8.79	10.7	22.5

■ The pilot holes at sides of LM block are not drilled through. To install a grease nipple at side, please contact THK.

■ For HSR8, HSR10 and HSR12, the balls will fall out of the LM block if it is removed from the rail.