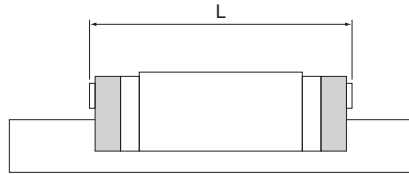


Dimensions of Each Model with Options Attached

The LM Block Length (Dimension L) with LaCS and Seals Attached



Unit: mm

Model No.		L								
		UU	SS	DD	ZZ	KK	SSHH	DDHH	ZZHH	KKHH
SHS	15C/V/R	64.4	64.4	69.8	66.8	72.2	78.6	84	79.8	85.2
	15LC/LV	79.4	79.4	84.8	81.8	87.2	93.6	99	94.8	100.2
	20C/V	79	79	85.4	83	89.4	93.6	100	96	102.4
	20LC/LV	98	98	104.4	102	108.4	112.6	119	115	121.4
	25C/V/R	92	92	101.6	100.4	107.6	112	119.2	114.4	121.6
	25LC/LV/LR	109	109	118.6	117.4	124.6	129	136.2	131.4	138.6
	30C/V/R	106	106	116	113.8	122.4	129.4	138	131.8	140.4
	30LC/LV/LR	131	131	141	138.8	147.4	154.4	163	156.8	165.4
	35C/V/R	122	122	134.8	132.4	142.2	148	157.8	150.4	160.2
	35LC/LV/LR	152	152	164.8	162.4	172.2	178	187.8	180.4	190.2
	45C/V/R	140	140	152.8	151.2	161	169	178.8	172.2	182
	45LC/LV/LR	174	174	186.8	185.2	195	203	212.8	206.2	216
	55C/V/R	171	171	186.6	184.2	195.4	202	213.2	205.2	216.4
	55LC/LV/LR	213	213	228.6	226.2	237.4	244	255.2	247.2	258.4
65C/V	221	221	238.6	236.2	248.6	258	270.4	261.2	273.6	
65LC/LV	272	272	289.6	287.2	299.6	309	321.4	312.2	324.6	
SSR	15XV/XSB	40.3	40.3	47.3	44.9	50.7	59.5	65.3	60.7	66.5
	15XW/XTB	56.9	56.9	63.9	61.5	67.3	76.1	81.9	77.3	83.1
	20XV/XSB	47.7	47.7	54.6	53.4	60.3	67.7	74.6	70.1	77
	20XW/XTB	66.5	66.5	73.4	72.2	79.1	86.5	93.4	88.9	95.8
	25XV/XSB	60	60	67.4	65.7	73.1	80	87.4	82.4	89.8
	25XW/XTB	83	83	90.4	88.7	96.1	103	110.4	105.4	112.8
	30XV/XSB	66.7	66.7	74.8	72.4	80.5	90.7	98.8	93.1	101.2
	30XW/XTB	97	97	105.1	102.7	110.8	121	129.1	123.4	131.5
	35XV/XSB	77.5	77.5	86.5	84.3	93.3	103.5	112.5	105.9	114.9
	35XW/XTB	110.9	110.9	119.9	117.7	126.7	136.9	145.9	139.3	148.3
SHW	12CAM/CRM	37	37	—	—	—	48	—	—	—
	12HRM	50.4	50.4	—	—	—	61.4	—	—	—
	14CAM/CRM	45.5	45.5	—	—	—	60.7	—	—	—
	17CAM/CRM	51	51	54	53.4	56.4	66.2	69.2	67.4	70.4
	21CA/CR	59	59	64	63.2	68.2	75.6	80.6	77.2	82.2
	27CA/CR	72.8	72.8	78.6	77.8	83.6	89.4	95.2	91.8	97.6
	35CA/CR	107	107	114.4	112	119.4	129	136.4	131.4	138.8
50CA/CR	141	141	149.2	147.4	155.6	166	174.2	168.4	176.6	

Unit: mm

Model No.		L								
		UU	SS	DD	ZZ	KK	SSHH	DDHH	ZZHH	KKHH
SRS	5M	16.9	—	—	—	—	—	—	—	—
	5N	20.1	—	—	—	—	—	—	—	—
	5WM	22.1	—	—	—	—	—	—	—	—
	5WN	28.1	—	—	—	—	—	—	—	—
	7S	19	19	—	—	—	—	—	—	—
	7M	23.4	23.4	—	—	—	—	—	—	—
	7N	31	31	—	—	—	—	—	—	—
	7WS	22.5	22.5	—	—	—	—	—	—	—
	7WM	31	31	—	—	—	—	—	—	—
	7WN	40.9	40.9	—	—	—	—	—	—	—
	9XS	21.5	21.5	—	—	—	33.1	—	—	—
	9XM	30.8	30.8	—	—	—	42.4	—	—	—
	9XN	40.8	40.8	—	—	—	52.4	—	—	—
	9WS	26.5	26.5	—	—	—	38.1	—	—	—
	9WM	39	39	—	—	—	50.6	—	—	—
	9WN	50.7	50.7	—	—	—	62.3	—	—	—
	12S	25	25	—	—	—	36.6	—	—	—
	12M	34.4	34.4	—	—	—	46	—	—	—
	12N	47.1	47.1	—	—	—	58.7	—	—	—
	12WS	30.5	30.5	—	—	—	42.1	—	—	—
	12WM	44.5	44.5	—	—	—	56.1	—	—	—
	12WN	59.5	59.5	—	—	—	71.1	—	—	—
	15S	32	32	—	—	—	46.2	—	—	—
	15M	43	43	—	—	—	57.2	—	—	—
	15N	60.8	60.8	—	—	—	75	—	—	—
15WS	41.5	41.5	—	—	—	55.7	—	—	—	
15WM	55.5	55.5	—	—	—	69.7	—	—	—	
15WN	74.5	74.5	—	—	—	88.7	—	—	—	
20M	50	50	—	—	—	65.2	—	—	—	
25M	77	77	—	—	—	92.6	—	—	—	
SCR	15S	64.4	64.4	69.8	66.8	72.2	78.9	84.4	79.9	85.2
	20S	79	79	85.4	83	89.4	94	100	96	102.5
	20	98	98	104.4	102	108.4	113	119	115	121.5
	25	109	109	118.6	117.4	124.6	129	136.2	131.4	138.6
	30	131	131	141	138.8	147.4	154.4	163	156.8	165.4
	35	152	152	164.8	162.4	172.2	178	187.8	180.4	190.2
	45	174	174	186.8	185.2	195	203	212.8	206.2	216
	65	272	272	289.6	287.2	299.6	309	321.4	312.2	324.6

Options

Dimensions of Each Model with Options Attached

Unit: mm

Model No.		L								
		UU	SS	DD	ZZ	KK	SSHH	DDHH	ZZHH	KKHH
HSR	8RM	24	—	—	—	—	—	—	—	—
	10RM	31	—	—	—	—	—	—	—	—
	12RM	45	—	—	—	—	—	—	—	—
	15C/R/YR	56.6	56.6	61.8	58.2*	63.4*	76	81.2	77.2	82.4
	15LC/LR	74.6	74.6	79.8	76.2	81.4	94	99.2	95.2	100.4
	20C/R/CA/CB/YR	74	74	80.6	76.6	83.2	92	98.6	95.2	101.8
	20LC/LR/HA/HB	90	90	96.6	92.6	99.2	108	114.6	111.2	117.8
	25C/R/CA/CB/YR	83.1	83.1	90.7	86.7	94.3	101	108.6	105.3	112.9
	25LC/LR/HA/HB	102.2	102.2	109.8	105.8	113.4	120.1	127.7	124.4	132
	30C/R/CA/CB/YR	98	98	105.6	101.6	109.2	119.9	127.5	124.2	131.8
	30LC/LR/HA/HB	120.6	120.6	128.2	124.2	131.8	142.5	150.1	146.8	154.4
	35C/R/CA/CB/YR	109.4	109.4	117	113	120.6	132.4	140	135.6	143.2
	35LC/LR/HA/HB	134.8	134.8	142.4	138.4	146	157.8	165.4	161	168.6
	45C/R/CA/CB/XYR/YR	138.9	138.9	146.1	144.1	151.3	168	175.2	171.2	178.4
	45LC/LR/HA/HB	170.7	170.7	177.9	175.9	183.1	199.8	207	203	210.2
	55C/R/CA/CB/XYR/YR	162.9	162.9	170.1	168.1	175.3	192.6	199.8	195.8	203
	55LC/LR/HA/HB	201	201	208.2	206.2	213.4	230.7	237.9	233.9	241.1
	65XC/XR/XCA/XCB/XYR	190.5	190.5	197.7	195.3	202.5	224.3	231.5	227.5	234.7
	65XLC/XLR/XHA/XHB	250	250	257.2	254.8	262	283.8	291	287	294.2
85R/A/B/CA/CB/YR	245.6	245.6	252.8	252.4	259.6	278.8	286	283.4	290.6	
85LR/LA/LB/HA/HB	303	303	310.2	309.8	317	336.2	343.4	340.8	348	
100HR/HA/HB	334	334	—	—	—	—	—	—	—	
120HR/HA/HB	365	365	—	—	—	—	—	—	—	
150HR/HA/HB	396	396	—	—	—	—	—	—	—	
SR	15W/TB	57	57	62.2	58.4*	63.6*	—	—	—	—
	15V/SB	40.4	40.4	45.6	41.8*	47*	—	—	—	—
	20W/TB	66.2	66.2	72.8	70.6*	77.2*	—	—	—	—
	20V/SB	47.3	47.3	53.9	51.7*	58.3*	—	—	—	—
	25W/TB	83	83	90.6	87.4	95	—	—	—	—
	25V/SB	59.2	59.2	66.8	63.6	71.2	—	—	—	—
	30W/TB	96.8	96.8	104.4	99.4	107	—	—	—	—
	30V/SB	67.9	67.9	75.5	70.5	78.1	—	—	—	—
	35W/TB	111	111	118.6	113.6	121.2	—	—	—	—
	35V/SB	77.6	77.6	85.2	80.2	87.8	—	—	—	—
	45W/TB	126	126	134.6	129.4	138	—	—	—	—
	55W/TB	156	156	164.6	159.4	168	—	—	—	—
	70T	194.6	194.6	201.8	200.8	208	—	—	—	—
	85T	180	180	—	—	—	—	—	—	—
	100T	200	200	—	—	—	—	—	—	—
120T	235	235	—	—	—	—	—	—	—	
150T	280	280	—	—	—	—	—	—	—	

* Grease nipple cannot be installed.

Unit: mm

Model No.		L								
		UU	SS	DD	ZZ	KK	SSHH	DDHH	ZZHH	KKHH
NR/ NRS	75R/A/B	218	218	229	226.6	237.6	—	—	—	—
	75LR/LA/LB	274	274	285	282.6	293.6	—	—	—	—
	85R/A/B	246.7	246.7	257.7	256.1	267.1	—	—	—	—
	85LR/LA/LB	302.8	302.8	313.8	312.2	323.2	—	—	—	—
	100R/A/B	286.2	286.2	297.8	295.6	307.2	—	—	—	—
	100LR/LA/LB	326.2	326.2	337.8	335.6	347.2	—	—	—	—
HRW	12LRM	37	37	—	—	—	—	—	—	—
	14LRM	45.5	45.5	—	—	—	—	—	—	—
	17CA/CR	50.8	—	54	53.6	58.6	—	—	—	—
	21CA/CR	58.8	—	64.2	62.8	69	—	—	—	—
	27CA/CR	72.8	72.8	79	75.6	81.8	—	—	—	—
	35CA/CR	106.6	106.6	113.8	112	119.2	—	—	—	—
	50CA/CR	140.5	140.5	147.7	143.3	150.5	—	—	—	—
60CA	158.9	158.9	169.7	165.1	175.9	—	—	—	—	
RSX	5M	16.9	—	—	—	—	—	—	—	—
	5NM	20.1	—	—	—	—	—	—	—	—
	5WM	22.1	—	—	—	—	—	—	—	—
	5WNM	28.1	—	—	—	—	—	—	—	—
	7SM	19	—	—	—	—	—	—	—	—
	7M	23.4	—	—	—	—	—	—	—	—
	7NM	31	—	—	—	—	—	—	—	—
	7WSM	22.5	—	—	—	—	—	—	—	—
	7WM	31	—	—	—	—	—	—	—	—
	7WNM	40.9	—	—	—	—	—	—	—	—
	9SM	21.5	—	—	—	—	—	—	—	—
	9M	30.8	—	—	—	—	—	—	—	—
	9NM	40.8	—	—	—	—	—	—	—	—
	9WSM	26.5	—	—	—	—	—	—	—	—
	9WM	39	—	—	—	—	—	—	—	—
	9WNM	50.7	—	—	—	—	—	—	—	—
	12SM	25.6	—	—	—	—	—	—	—	—
	12M	35	—	—	—	—	—	—	—	—
	12NM	47.7	—	—	—	—	—	—	—	—
	12WSM	30.5	—	—	—	—	—	—	—	—
	12WM	44.5	—	—	—	—	—	—	—	—
	12WNM	59.5	—	—	—	—	—	—	—	—
	15SM	31.9	—	—	—	—	—	—	—	—
15M	42.9	—	—	—	—	—	—	—	—	
15NM	60.7	—	—	—	—	—	—	—	—	
15WSM	41.5	—	—	—	—	—	—	—	—	
15WM	55.5	—	—	—	—	—	—	—	—	
15WNM	74.5	—	—	—	—	—	—	—	—	
RSR	2M	—	—	—	—	—	—	—	—	—
	2N	—	—	—	—	—	—	—	—	—
	3M	—	—	—	—	—	—	—	—	—
	3N	—	—	—	—	—	—	—	—	—
	3WM	14.9	—	—	—	—	—	—	—	—
	3WN	19.9	—	—	—	—	—	—	—	—
	14WVM	50	—	—	—	—	—	—	—	—

Options

Dimensions of Each Model with Options Attached

Unit: mm

Model No.		L								
		UU	SS	DD	ZZ	KK	SSHH	DDHH	ZZHH	KKHH
HR	918	45	—	—	—	—	—	—	—	—
	1123	52	—	—	—	—	—	—	—	—
	1530	69	—	—	—	—	—	—	—	—
	2042	91.6	—	—	—	—	—	—	—	—
	2042T	110.7	—	—	—	—	—	—	—	—
	2555	121	—	—	—	—	—	—	—	—
	2555T	146.4	—	—	—	—	—	—	—	—
	3065	145	—	—	—	—	—	—	—	—
	3065T	173.5	—	—	—	—	—	—	—	—
	3575	154.8	—	—	—	—	—	—	—	—
	3575T	182.5	—	—	—	—	—	—	—	—
	4085	177.8	—	—	—	—	—	—	—	—
	4085T	215.9	—	—	—	—	—	—	—	—
	50105	227	—	—	—	—	—	—	—	—
50105T	274.5	—	—	—	—	—	—	—	—	
60125	329	—	—	—	—	—	—	—	—	
GSR	15T	59.8	59.8	65*	65.8*	71*	—	—	—	—
	15V	47.1	47.1	52.3*	53.1*	58.3*	—	—	—	—
	20T	74	74	80.6	77.6	84.2	—	—	—	—
	20V	58.1	58.1	64.7	61.7	68.3	—	—	—	—
	25T	88	88	95	91.6	98.6	—	—	—	—
	25V	69	69	76	72.6	79.6	—	—	—	—
	30T	103	103	110.6	107.2	114.8	—	—	—	—
	35T	117	117	124.6	121.2	128.8	—	—	—	—
GSR-R	25T-R	88	88	95	91.6	98.6	—	—	—	—
	25V-R	69	69	76	72.6	79.6	—	—	—	—
	30T-R	103	103	110.6	107.2	114.8	—	—	—	—
	35T-R	117	117	124.6	121.2	128.8	—	—	—	—
CSR	15	56.6	56.6	61.8	58.2*	63.4*	—	—	—	—
	20S	74	74	80.6	76.6	83.2	—	—	—	—
	20	90	90	96.6	92.6	99.2	—	—	—	—
	25S	83.1	83.1	90.7	86.7	94.3	—	—	—	—
	25	102.2	102.2	109.8	105.8	113.4	—	—	—	—
	30S	98	98	105.6	101.6	109.2	—	—	—	—
	30	120.6	120.6	128.2	124.2	131.8	—	—	—	—
	35	134.8	134.8	142.4	138.4	146	—	—	—	—
	45	170.8	170.8	178	176	183.2	—	—	—	—
MX	5M	23.3	—	—	—	—	—	—	—	—
	7WM	40.8	—	—	—	—	—	—	—	—
JR	25A/B/R	83.1	83.1	90.7	89.4	97	—	—	—	—
	35A/B/R	113.6	113.6	125.6	122	134	—	—	—	—
	45A/B/R	145	145	159	150.8	164.8	—	—	—	—
	55A/B/R	165	165	175.4	170.4	180.8	—	—	—	—

* Grease nipple cannot be installed.

Unit: mm

Model No.		L								
		UU	SS	DD	ZZ	KK	SSHH	DDHH	ZZHH	KKHH
HCR	12A+60/100R	44.6	—	—	—	—	—	—	—	—
	15A+60/150R	54.5	54.5	59.7	—	—	—	—	—	—
	15A+60/300R	55.5	55.5	60.7	57.1*	62.3*	—	—	—	—
	15A+60/400R	55.8	55.8	61	57.3*	62.5*	—	—	—	—
	25A+60/500R	81.6	81.6	89.2	85.5	93.1	—	—	—	—
	25A+60/750R	82.3	82.3	89.9	86	93.6	—	—	—	—
	25A+60/1000R	82.5	82.5	90.1	86.2	93.8	—	—	—	—
	35A+60/600R	107.2	107.2	114.8	111.2	118.8	—	—	—	—
	35A+60/800R	107.5	107.5	115.1	111.5	119.1	—	—	—	—
	35A+60/1000R	108.2	108.2	115.8	112	119.6	—	—	—	—
	35A+60/1300R	108.5	108.5	116.1	112.3	119.8	—	—	—	—
	45A+60/800R	136.7	136.7	143.9	142.1	149.2	—	—	—	—
	45A+60/1000R	137.3	137.3	144.5	142.7	149.9	—	—	—	—
	45A+60/1200R	137.3	137.3	144.5	142.7	149.9	—	—	—	—
	45A+60/1600R	138	138	145.2	143.3	150.5	—	—	—	—
	65A+60/1000R	193.8	193.8	201	199.4	206.6	—	—	—	—
	65A+60/1500R	195.4	195.4	202.6	200.8	208	—	—	—	—
65A+45/2000R	195.9	195.9	203.1	201.3	208.5	—	—	—	—	
65A+45/2500R	196.5	196.5	203.7	201.8	209	—	—	—	—	
65A+30/3000R	196.5	196.5	203.7	201.8	209	—	—	—	—	
HMG	15A	48	—	—	—	—	—	—	—	—
	25A	62.2	—	—	—	—	—	—	—	—
	35A	80.6	—	—	—	—	—	—	—	—
	45A	107.6	—	—	—	—	—	—	—	—
	65A	144.4	—	—	—	—	—	—	—	—
NSR-TBC	20TBC	67	—	—	—	—	—	—	—	—
	25TBC	78	—	—	—	—	—	—	—	—
	30TBC	90	—	—	—	—	—	—	—	—
	40TBC	110	110	—	—	—	—	—	—	—
	50TBC	123	123	—	—	—	—	—	—	—
	70TBC	150	150	—	—	—	—	—	—	—
HSR-M1	15M1A/M1B/M1R/M1YR	59.6	59.6	—	—	—	—	—	—	—
	20M1A/M1B/M1R/M1YR	76	76	—	—	—	—	—	—	—
	20M1LA/M1LB/M1LR	92	92	—	—	—	—	—	—	—
	25M1A/M1B/M1R/M1YR	83.9	83.9	—	—	—	—	—	—	—
	25M1LA/M1LB/M1LR	103	103	—	—	—	—	—	—	—
	30M1A/M1B/M1R/M1YR	98.8	98.8	—	—	—	—	—	—	—
	30M1LA/M1LB/M1LR	121.4	121.4	—	—	—	—	—	—	—
	35M1A/M1B/M1R/M1YR	112	112	—	—	—	—	—	—	—
35M1LA/M1LB/M1LR	137.4	137.4	—	—	—	—	—	—	—	
SR-M1	15M1W/M1TB	57	57	—	—	—	—	—	—	—
	15M1V/M1SB	40.4	40.4	—	—	—	—	—	—	—
	20M1W/M1TB	66.2	66.2	—	—	—	—	—	—	—
	20M1V/M1SB	47.3	47.3	—	—	—	—	—	—	—
	25M1W/M1TB	83	83	—	—	—	—	—	—	—
	25M1V/M1SB	59.2	59.2	—	—	—	—	—	—	—

* Grease nipple cannot be installed.

Options

Dimensions of Each Model with Options Attached

Unit: mm

Model No.		L									
		UU	SS	DD	ZZ	KK	SSHH	DDHH	ZZHH	KKHH	
SR-M1	30M1W/M1TB	96.8	96.8	—	—	—	—	—	—	—	
	30M1V/M1SB	67.9	67.9	—	—	—	—	—	—	—	
	35M1W/M1TB	111	111	—	—	—	—	—	—	—	
	35M1V/M1SB	77.6	77.6	—	—	—	—	—	—	—	
RSX-M1	9M1	30.8	—	—	—	—	—	—	—	—	
	9M1N	40.8	—	—	—	—	—	—	—	—	
	9M1W	39	—	—	—	—	—	—	—	—	
	9M1WN	50.7	—	—	—	—	—	—	—	—	
	12M1	35	—	—	—	—	—	—	—	—	
	12M1N	47.7	—	—	—	—	—	—	—	—	
	12M1W	44.5	—	—	—	—	—	—	—	—	
	12M1WN	59.5	—	—	—	—	—	—	—	—	
	15M1	42.9	—	—	—	—	—	—	—	—	
	15M1N	60.7	—	—	—	—	—	—	—	—	
	15M1W	55.5	—	—	—	—	—	—	—	—	
RSR-M1	9M1K	30.8	—	—	—	—	—	—	—	—	
	9M1N	41	—	—	—	—	—	—	—	—	
	9M1WV	39	—	—	—	—	—	—	—	—	
	9M1WN	50.7	—	—	—	—	—	—	—	—	
	12M1V	35	—	—	—	—	—	—	—	—	
	12M1N	47.7	—	—	—	—	—	—	—	—	
	12M1WV	44.5	—	—	—	—	—	—	—	—	
	12M1WN	59.5	—	—	—	—	—	—	—	—	
	15M1V	43	—	—	—	—	—	—	—	—	
	15M1N	61	—	—	—	—	—	—	—	—	
	15M1WV	55.5	—	—	—	—	—	—	—	—	
HSR-M2	15M1WN	74.5	—	—	—	—	—	—	—	—	
	20M1V	66.5	—	—	—	—	—	—	—	—	
	20M1N	86.3	—	—	—	—	—	—	—	—	
	15M2A	56.6	56.6	—	—	—	—	—	—	—	
	20M2A	74	74	—	—	—	—	—	—	—	
	25M2A	83.1	83.1	—	—	—	—	—	—	—	
	SRN	35C/R	125	125	132.8	131.4	139.2	148.6	156.4	151	158.8
		35LC/LR	155	155	162.8	161.4	169.2	178.6	186.4	181	188.8
		35SLC/SLR	180.8	180.8	188.6	186.5	194.3	204.4	212.2	206.8	214.6
		45C/R	155	155	164.2	162.2	171.4	182	191.2	185.2	194.4
		45LC/LR	190	190	199.2	197.2	206.4	217	226.2	220.2	229.4
45SLC/SLR		231.5	231.5	240.7	238	247.2	258.5	267.7	261.7	270.9	
55C/R		185	185	194.2	192.2	201.4	212	221.2	215.2	224.4	
55LC/LR		235	235	244.2	242.2	251.4	262	271.2	265.2	274.4	
55SLC/SLR		292	292	301.2	298.5	307.7	319	328.2	322.2	331.4	
65C/R		244.9	244.9	256.1	252.5	263.7	277.3	288.5	280.5	291.7	
65LC/LR		303	303	314.2	311.4	322.6	335.4	346.6	338.6	349.8	
65SLC/SLR	380	380	391.2	387.6	398.8	412.4	423.6	415.6	426.8		
SRW	70LR	190	190	199.2	197.2	206.4	217	226.2	220.2	229.4	
	85LR	235	235	244.2	242.2	251.4	262	271.2	265.2	274.4	
	100LR	303	303	314.2	311.4	322.6	335.4	346.6	338.6	349.8	
	130LR	350	350	361.2	361	372.2	—	—	—	—	
	150LR	395	395	406.2	411	422.2	—	—	—	—	

Unit: mm

Model No.		L										
		UU	SS	DD	ZZ	KK	SSHH	DDHH	ZZHH	KKHH	JJHH	TTHH
SVR/ SVS NR-X/ NRS-X	25R/C	82.8	82.8	88	89.2	94.4	96.8*	102.0*	—	—	102.5*	107.7*
	25LR/LC	102	102	107.2	108.4	113.6	116.0*	121.2*	—	—	121.7*	126.9*
	30R/C	98	98	104.6	104.4	111	115.2*	121.8*	—	—	120.9*	127.5*
	30LR/LC	120.5	120.5	127.1	126.9	133.5	137.7*	144.3*	—	—	143.4*	150.0*
	35R/C/RH/CH	109.5	109.5	116.5	117.1	124.1	126.7*	133.7*	—	—	133.5*	140.5*
	35LR/LC/LRH/LCH	135	135	142	142.6	149.6	152.2*	159.2*	—	—	159.0*	166.0*
	45R/C/RH/CH	138.2	138.2	145.2	146.6	153.6	158.2*	165.2*	—	—	165.8*	172.8*
	45LR/LC/LRH/LCH	171	171	178	179.4	186.4	191.0*	198.0*	—	—	198.6*	205.6*
	55R/C/RH/CH	163.3	163.3	168.4	169.8	176.8	182.4*	189.4*	—	—	191.1*	198.1*
	55LR/LC/LRH/LCH	200.5	200.5	205.6	207	214	219.6*	226.6*	—	—	228.3*	235.3*
	65R/C	186	186	191.8	194.2	201.6	208.8*	216.2*	—	—	217.5*	224.9*
	65LR/LC	246	246	251.8	254.2	261.6	268.8*	276.2*	—	—	277.5*	284.9*
SRG	15X A/V	69.2	69.2	71.2	—	—	—	—	—	—	—	—
	20X A/V	86.2	86.2	88.2	89.6	91.6	105.2*	107.2*	107.6*	109.6*	—	—
	20X LA/LV	106.2	106.2	108.2	109.6	111.6	125.2*	127.2*	127.6*	129.6*	—	—
	25X C/R	95.1	95.1	100.1	100.1	105.1	114.9*	119.9*	117.3*	122.3*	—	—
	25X LC/LR	115.1	115.1	120.1	120.1	125.1	134.9*	139.9*	137.3*	142.3*	—	—
	30X C/R	111	111	118	116	123	130.8*	137.8*	133.2*	140.2*	135	142
	30X LC/LR	135	135	142	140	147	154.8*	161.8*	157.2*	164.2*	159	166
	35C/R	125	125	132.8	130.7	138.5	142.6*	150.4*	151*	158.8*	151*	158.8*
	35LC/LR	155	155	162.8	160.7	168.5	172.6*	180.4*	181*	188.8*	181*	188.8*
	35SLC/SLR	180.8	180.8	188.6	186.5	194.3	198.4*	206.2*	206.8*	214.6*	206.8*	214.6*
	45C/R	155	155	164.2	161.5	170.7	175.6*	184.8*	184.8*	194*	184.6*	193.8*
	45LC/LR	190	190	199.2	196.5	205.7	210.6*	219.8*	219.8*	229*	219.6*	228.8*
	45SLC/SLR	231.5	231.5	240.7	238	247.2	252.1*	261.3*	261.3*	270.5*	261.1*	270.3*
	55C/R	185	185	194.2	191.5	200.7	205.6*	214.8*	214.8*	224*	214.6*	223.8*
	55LC/LR	235	235	244.2	241.5	250.7	255.6*	264.8*	264.8*	274*	264.6*	273.8*
	55SLC/SLR	292	292	301.2	298.5	307.7	312.6*	321.8*	321.8*	331*	321.6*	330.8*
	65C/V	244.9	244.9	256.1	252.5	263.7	268.9*	280.1*	280.1*	291.3*	279.9*	291.1*
65LC/LV	303	303	314.2	310.6	321.8	327*	338.2*	338.2*	349.4*	338*	349.2*	
65SLC/SLV	380	380	391.2	387.6	398.8	404*	415.2*	415.2*	426.4*	415*	426.2*	
85LC	350	350	361.2	361	372.2	—	—	—	—	—	—	
100LC	395	395	406.2	411	422.2	—	—	—	—	—	—	
HRX	25C/R	99.6	99.6	104.8	104.6	109.8	117.2	122.4	122.2	127.4	122.2	127.4
	25LC/LR	116.4	116.4	121.6	121.4	126.6	134	139.2	139	144.2	139	144.2
	30C/R	110.6	110.6	117.2	115.6	122.2	128.2	134.8	133.2	139.8	133.2	139.8
	30LC/LR	135.1	135.1	141.7	140.1	146.7	152.7	159.3	157.7	164.3	157.7	164.3
	35C/R	123.2	123.2	130.2	131.6	138.6	140.8	147.8	149.2	156.2	149.2	156.2
	35LC/LR	151.2	151.2	158.2	159.6	166.6	168.8	175.8	177.2	184.2	177.2	184.2
	45C/R	150.7	150.7	157.7	159.9	166.9	171.3	178.3	180.5	187.5	180.3	187.3
	45LC/LR	185.7	185.7	192.7	194.9	201.9	206.3	213.3	215.5	222.5	215.3	222.3
	55C/R	180.2	180.2	187.2	189.4	196.4	200.8	207.8	210	217	209.8	216.8
	55LC/LR	229.7	229.7	236.7	238.9	245.9	250.3	257.3	259.5	266.5	259.3	266.3
	65C/R	239.1	239.1	246.5	250.3	257.7	263.1	270.5	274.3	281.7	274.1	281.5
	65LC/LR	304.1	304.1	311.5	315.3	322.7	328.1	335.5	339.3	346.7	339.1	346.5

* The overall LM block length (L) of YY type (with side scraper) is also the same.

Note1) The standard overall length may include the dimension of the end seal depending on the model. If you are considering using a type without an end seal, contact THK for details.

Note2) It is recommended to use a protector with models SVR/SVS, NR-X/NRS-X, and SRG. Please contact THK regarding the dimensions for ZZHH and KKHH. See **A1-543** for details regarding the codes for the various options.

Dimensions of Each Model with Options Attached

Model number coding

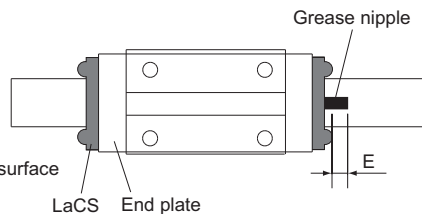
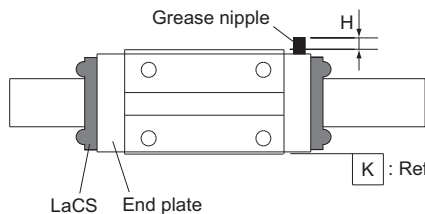
SHS25	LC	2	QZ	KKHH	C0	+1200L	P	Z	T	-II
Model number	Type of LM block		With QZ Lubricator (*1)			LM rail length (in mm)	With steel tape	Symbol for LM rail jointed use		Symbol for No. of rails used on the same plane (*5)
	No. of LM blocks used on the same rail		Contamination protection accessory symbol (*2)		Radial clearance symbol (*3) Normal (No symbol) Light preload (C1) Medium preload (C0)		Accuracy symbol (*4) Normal grade (No Symbol) High accuracy grade (H) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP)			

(*1) See **A1-536**. (*2) See **A1-543**. (*3) See **A1-73**. (*4) See **A1-78**. (*5) See **A1-13**.

Note) This model number indicates that a single-rail unit constitutes one set. (I.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)

Grease nipples are not installed when there is a QZ Lubricator.

Dimensional Increase with Grease Nipple (When LaCS is Attached)



Unit: mm

Model No.		Dimensional increase with grease nipple H	Nipple type
SHS	15C/LC	—	PB107
	15R/V/LV	4.7	PB107
	20C/LC	—	PB107
	20V/LV	4.5	PB107
	25C/LC	—	PB107
	25R/LR/V/LV	4.7	PB107
	30C/LC	—	A-M6F
	30R/LR/V/LV	7.4	A-M6F
	35C/LC	—	A-M6F
	35R/LR/V/LV	7.4	A-M6F
	45C/LC	—	A-M6F
	45R/LR/V/LV	7.7	A-M6F
	55C/LC	—	A-M6F
	55R/LR/V/LV	7.4	A-M6F
65C/LC	—	A-M6F	
65V/LV	6.9	A-M6F	
SSR	15XV/XW	4.4	PB107
	15XTB/XSB	—	PB107
	20XV/XW	4.6	PB107
	20XTB/XSB	—	PB107
	25XV/XW	4.5	PB107
	25XTB/XSB	—	PB107
	30XV/XW	5	PB1021B
	30XTB/XSB	—	PB1021B
	35XV/XW	5	PB1021B
35XTB/XSB	—	PB1021B	
SVR/SVS NR-X/ NRS-X*	25R/LR	5.5	PB1021B
	30R/LR	5.5	PB1021B
	35R/LR/RH/LRH	9	A-M6F
	45R/LR/RH/LRH	9	A-M6F
	55R/LR/RH/LRH	9	A-M6F
	65R/LR	12	A-PT1/8

Options

Dimensions of Each Model with Options Attached

Unit: mm

Model No.		Dimensional increase with grease nipple H	Nipple type	
SRG	35C/LC/SLC	—	A-M6F	
	35R/LR/SLR	7.2	A-M6F	
	45C/LC/SLC	—	A-M6F	
	45R/LR/SLR	7.2	A-M6F	
	55C/LC/SLC	—	A-M6F	
	55R/LR/SLR	7.2	A-M6F	
	65C/LC/SLC	—	A-M6F	
	65V/LV/SLV	6.2	A-M6F	
HRX	25C/LC	—	A-M6F	
	25R/LR	6.9	A-M6F	
	30C/LC	—	A-M6F	
	30R/LR	6.9	A-M6F	
	35C/LC	—	A-M6F	
	35R/LR	6.7	A-M6F	
	45C/LC	—	A-M6F	
	45R/LR	6.7	A-M6F	
	55C/LC	—	A-M6F	
	55R/LR	6.2	A-M6F	
	65C/LC	—	A-M6F	
		65R/LR	6.2	A-M6F

* The dimensional increase with a grease nipple when the side scraper and the protector are attached (SVR/SVS and SRG only) is also the same.

Unit: mm

Model No.		Dimensional increase with grease nipple E	Nipple type
SHW	21CA/CR	4.2	PB1021B
	27CA/CR	10.7	B-M6F
	35CA/CR	10	B-M6F
	50CA/CR	21	B-PT1/8
SRS	25	4	PB1021B
HSR	15R/YR	2.9	PB1021B
	15LC/LR	2.9	PB1021B
	20R/CA/CB/YR	9.4	B-M6F
	20LR/HA/HB	9.4	B-M6F
	25R/CA/CB/YR	9	B-M6F
	25LR/HA/HB	9	B-M6F
	30R/CA/CB/YR	9	B-M6F
	30LR/HA/HB	9	B-M6F
	35R/CA/CB/YR	8	B-M6F
	35LR/HA/HB	8	B-M6F

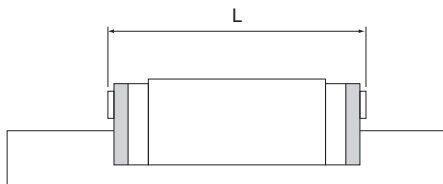
Note1) Contact THK if you desire a grease nipple mounting location other than the above.

Note2) 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.

Note3) When desiring a grease nipple for model SHW or SRS without QZ Lubricator, indicate "with grease nipple" when placing an order. (If not, a grease nipple will not be attached.)

Note4) Model HSR15 attached with ZZ or KK cannot have a grease nipple. Contact THK for details.

LM Block Length (Dimension L) with LiCS Attached



Unit: mm

Model No.		L	
		GG	PP
SSR	15XV/XSB	48.7	48.7
	15XW/XTB	65.3	65.3
	20XV/XSB	55.8	55.8
	20XW/XTB	74.6	74.6
	25XV/XSB	67.6	67.6
	25XW/XTB	90.6	90.6
	30XV/XSB	76.4	76.4
	30XW/XTB	106.7	106.7
	35XV/XSB	88.3	88.3
	35XW/XTB	121.7	121.7
SRG	15XA	77	77
	15XV	77	77

Model number coding

SSR20 XW 2 GG C1 +600L P T -II

Model
number

Type of
LM block

With LiCS
(*1)

LM rail length
(in mm)

Symbol
for LM rail
jointed use

Symbol for No. of rails used on
the same plane (*4)

No. of LM blocks
used on the same rail

Radial clearance
symbol (*2)
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

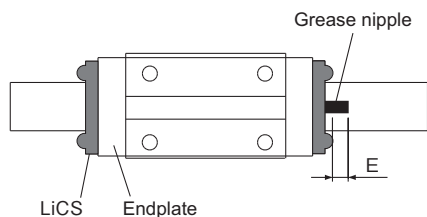
Accuracy symbol (*3)
Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

(*1) See **A1-515** (*2) See **A1-73** (*3) See **A1-78** (*4) See **A1-13**

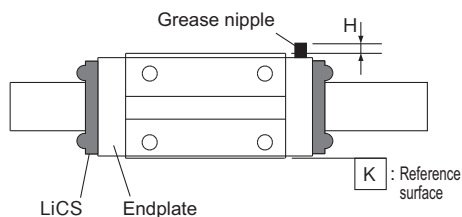
Note) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)

Grease nipples are not installed when there is a QZ Lubricator.

Dimensional Increase with Grease Nipple (When LiCS is Attached)



Model SSR
Location for mounting the grease nipple



Model SRG
Location for mounting the grease nipple

Unit: mm

Model No.		Dimensional increase with a grease nipple		Nipple type
		E	H	
SSR	15XV	2.9	—	PB1021B
	15XW/XTB	2.9	—	PB1021B
	20XV	9	—	B-M6F
	20XW/XTB	9	—	B-M6F
	25XV	9	—	B-M6F
	25XW/XTB	9	—	B-M6F
	30XV/XW	9	—	B-M6F
	30XTB/XSB	9	—	B-M6F
	35XV/XW	8	—	B-M6F
	35XTB/XSB	8	—	B-M6F
SRG	15XA	—	—*	PB107
	15XV	—	4.5	PB107

* Because this model features a flange, it projects beyond the block end surface.

Model number coding

SSR20 XW 2 GG C1 +600L H -II

Model number

Type of LM block

With LiCS (*1)

LM rail length (in mm)

Symbol for No. of rails used on the same plane (*4)

No. of LM blocks used on the same rail

Radial clearance symbol (*2)
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

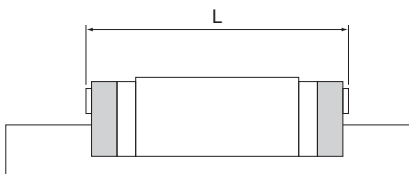
Accuracy symbol (*3)
Normal grade (No Symbol)
High accuracy grade (H)/Precision grade (P)
Super precision grade (SP)/Ultra precision grade (UP)

(*1) See **A1-515** (*2) See **A1-73** (*3) See **A1-78** (*4) See **A1-13**

Note) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)

Grease nipples are not installed when there is a QZ Lubricator.

Overall Block Length with Fluorine Seals and Other Accessories Attached



Unit: mm

Model No.		L					
		F2	F4	FZ2	FZ4	FJ2	FJ4
		Fluorine seals	Fluorine seals (double)	Fluorine seals + metal scrapers	Fluorine seals (double) + metal scrapers	Fluorine seals + protectors	Fluorine seals (double) + protectors
SRG	35C/R	129	140.8	137.4	149.2	137.4	149.2
	35LC/LR	159	170.8	167.4	179.2	167.4	179.2
	35SLC/SLR	184.8	196.6	193.2	205	193.2	205
	45C/R	159	172.2	168.2	181.4	168	181.2
	45LC/LR	194	207.2	203.2	216.4	203	216.2
	45SLC/SLR	235.5	248.7	244.7	257.9	244.5	257.7
	55C/R	189	202.2	198.2	211.4	198	211.2
	55LC/LR	239	252.2	248.2	261.4	248	261.2
	55SLC/SLR	296	309.2	305.2	318.4	305	318.2
	65C/V	249.3	264.9	260.5	276.1	260.3	275.9
	65LC/LV	307.4	323	318.6	334.2	318.4	334
65SLC/SLV	384.4	400	395.6	411.2	395.4	411	
Model No.		L					
		QZF2	QZF4	QZFZ2	QZFZ4	QZPJ2	QZPJ4
		QZ + fluorine seals	QZ + fluorine seals (double)	QZ + fluorine seals + metal scrapers	QZ + fluorine seals (double) + metal scrapers	QZ + fluorine seals + protectors	QZ + fluorine seals (double) + protectors
SRG	35C/R	159	170.8	167.4	179.2	167.4	179.2
	35LC/LR	189	200.8	197.4	209.2	197.4	209.2
	35SLC/SLR	214.8	226.6	223.2	235	223.2	235
	45C/R	189	202.2	198.2	211.4	198	211.2
	45LC/LR	224	237.2	233.2	246.4	233	246.2
	45SLC/SLR	265.5	278.7	274.7	287.9	274.5	287.7
	55C/R	229	242.2	238.2	251.4	238	251.2
	55LC/LR	279	292.2	288.2	301.4	288	301.2
	55SLC/SLR	336	349.2	345.2	358.4	345	358.2
	65C/V	289.3	304.9	300.5	316.1	300.3	315.9
	65LC/LV	347.4	363	358.6	374.2	358.4	374
65SLC/SLV	424.4	440	435.6	451.2	435.4	451	

Maximum Seal Resistance

This shows the maximum resistance value of the seals per LM block with a lubricant applied.

Unit: N

Model No.		Seal symbol	Maximum seal resistance
SHS	15	SS	4.5
	20		7.0
	25		10.5
	30		17.0
	35		20.5
	45		30.0
	55		31.5
	65		43.0
SSR	15X	UU	2.0
	20X		2.6
	25X		3.5
	30X		4.9
	35X		6.3
SVR/SVS	25	SS	10
	30		14
	35		18
	45		22
	55		26
	65		31
SHW	12CA/CR	UU	1.0
	12HR		1.0
	14		1.2
	17		1.4
	21		4.9
	27		4.9
	35		9.8
	50		14.7
	12CA/CR	SS	1.4
	12HR		1.8
	14		1.8
	17		2.2
	21		6.9
	27		8.9
	35		15.8
50	22.7		

Unit: N

Model No.		Seal symbol	Maximum seal resistance
SRS	5M/5N	UU	0.06
	5WM/5WN		0.08
	7S	SS	0.14
	7M		0.16
	7N		0.19
	7WS		0.48
	7WM		0.52
	7WN		0.55
	9XS		0.15
	9XM		0.2
	9XN		0.25
	9WS		0.89
	9WM	0.95	
	9WN	1	
	12S	0.49	
	12M	0.55	
	12N	0.6	
	12WS	1.21	
	12WM	1.3	
	12WN	1.35	
15S	0.92		
15M	1		
15N	1.1		
15WS	1.45		
15WM	1.55		
15WN	1.6		
20M	1.25		
25M	1.6		
SCR	15	UU	2.5
	20		3
	25		5
	30		10
	35		12
	45		20
	65		30

Unit: N

Model No.		Seal symbol	Maximum seal resistance
HSR	8	UU	0.5
	10		0.8
	12		1.2
	15		2.0
	20		2.5
	25		3.9
	30		7.8
	35		11.8
	45		19.6
	55		19.6
	65		34.3
85	34.3		
SR	15	UU	2.5
	20		3.4
	25		4.4
	30		8.8
	35		11.8
	45		12.7
	55		15.7
70	19.6		
NR-X/ NRS-X	25	SS	10
	30		14
	35		18
	45		22
	55		26
	65		31
NR/NRS	75	UU	42
	85		42
	100		51
HRW	12	UU	0.2
	14		0.3
	17		2.9
	21		4.9
	27		4.9
	35		9.8
	50		14.7
	60		19.6
RSX	5	UU	0.04
	5W		0.05
	7		0.08
	7W		0.08
	9		0.1

Unit: N

Model No.		Seal symbol	Maximum seal resistance
RSX	9W	UU	0.1
	12		0.4
	12W		0.4
	15		0.8
	15W		0.8
RSR	14W	UU	1.2
HR	918	UU	0.5
	1123		0.7
	1530		1.0
	2042		2.0
	2555		2.9
	3065		3.4
	3575		3.9
	4085		4.4
	50105		5.9
60125	9.8		
GSR	15	UU	2.5
	20		3.1
	25		4.4
	30		6.3
	35		7.6
	25-R		4.4
30-R	6.3		
35-R	7.6		
CSR	15	UU	2.0
	20		2.5
	25		3.9
	30		7.8
	35		11.8
45	19.6		
MX	5	UU	0.06
	7W		0.4
JR	25	UU	3.9
	35		11.8
	45		19.6
	55		19.6
HCR	12	UU	1.2
	15		2.0
	25		3.9
	35		11.8
	45		19.6
	65		34.3

Options

Dimensions of Each Model with Options Attached

Unit: N

Unit: N

Model No.		Seal symbol	Maximum seal resistance
HMG	15	UU	3
	25		6
	35		8
	45		12
	65		40
NSR	20TBC	UU	4.9
	25TBC		4.9
	30TBC		6.9
	40TBC		9.8
	50TBC		14.7
	70TBC		24.5
HSR	15M1	UU	2.0
	20M1		2.5
	25M1		3.9
	30M1		7.8
	35M1		11.8
SR	15M1	UU	2.5
	20M1		3.4
	25M1		4.4
	30M1		8.8
RSX-M1	9	UU	0.1
	9W		0.1
	12		0.4
	12W		0.4
15	0.8		
15W	0.8		
RSR	9M1	UU	0.1
	12M1		0.4
	15M1		0.8
	20M1		1.0
	9M1W		0.8
	12M1W		1.1
HSR	15M2	UU	2.0
	20M2		2.5
	25M2		3.9

Model No.		Seal symbol	Maximum seal resistance
SRG	15X	SS	13
	20X		18
	25X		19
	30X		22
	35		30
	45		30
	55		34
	65		40
SRN	85	SS	47
	100		53
	35		30
	45		30
SRW	55	SS	35
	65		40
	70		32
	85		37
HRX	100	SS	43
	130		50
	150		57
	25		14
HRX	30	SS	15
	35		18
	45		23
	55		26
	65		32

Maximum Resistance for LaCS

Unit: N

Model No.	Maximum resistance for LaCS	
SHS	15	5.2
	20	6.5
	25	11.7
	30	18.2
	35	20.8
	45	26.0
	55	32.5
	65	39.0
SSR	15	5.9
	20	6.9
	25	8.1
	30	12.8
	35	15.1
SVR/SVS NR-X/NRS-X	25	8.1
	30	13.4
	35	15.5
	45	23.3
	55	28.6
NR/NRS	65	39.6
	85	52.7
NR	75	38.0
	100	65.0
SHW	12	2.6
	14	3.9
	17	3.9
	21	3.9
	27	6.5
	35	13.0
	50	19.5
SRS	9	2.3
	9W	3.3
	12	3.5
	12W	4.2
	15	5.1
	15W	7.5
	20	5.2
	25	7.8

Unit: N

Model No.	Maximum resistance for LaCS	
SCR	15	5.2
	20	6.5
	25	11.7
	30	18.2
	35	20.8
	45	26.0
	65	39.0
HSR	15	3.8
	20	5.6
	25	7.5
	30	14.9
	35	22.4
	45	32.1
	55	36.5
	65	43.8
SRG	85	69.5
	20X	6.1
	25X	6.9
	30X	8.2
	35	9.1
	45	14.3
	55	18.2
	65	26.0
SRN	35	9.1
	45	14.3
	55	18.2
	65	22.1
SRW	70	32.8
	85	39.7
	100	58.3
HRX	25	6.3
	30	7.2
	35	13
	45	18
	55	25
	65	34

Note1) Each resistance value in the table only consists of that of LaCS, and does not include sliding resistances of seals and other accessories.

Note2) For the maximum service speed of LaCS, contact THK.

Note3) HH type (with LaCS) for models SVR/SVS and SRG is provided with the protector (see **A1-513**).
Contact THK if you want to use the protector with other options.

Maximum Resistance for LiCS

Unit: N

Model No.		Maximum resistance for LiCS
SSR	15X	1
	20X	1.1
	25X	1.6
	30X	1.6
	35X	2
SRG	15X	0.7

Note) The value indicates the sliding resistance of two LiCS units per LM block and does not include the sliding resistances of the LM block and the side seals.

Maximum Seal Resistance of FS

Unit: N

Model No.		Seal symbol	Maximum seal resistance
SRG	35	Model F2	30
	45		30
	55		34
	65		40

Note) This is the sliding resistance of two fluorine seals and one inner seal on one LM block and excludes the sliding resistance of the block.

Maximum Resistance for the Side Scraper

Unit: N

Model No.		Maximum resistance for the side scraper (KKHHYY/TTHHYY Option)
SVR/ SVS NR-X/ NRS-X	25	4.4
	25L	5.2
	30	4.7
	30L	5.5
	35	4.6
	35L	5.5
	45	5.1
	45L	6.1
	55	5.3
	55L	6.3
	65	5.4
	65L	6.9

Unit: N

Model No.		Maximum resistance for the side scraper (DDHHYY Option)
SRG	35	2.9
	35L	3.4
	35SL	3.9
	45	4.7
	45L	5.6
	45SL	6.8
	55	5.5
	55L	6.8
	55SL	8.3
	65	7.2
	65L	8.7
	65SL	10.9