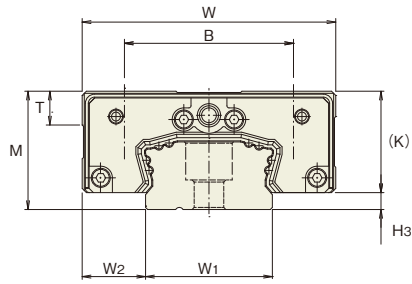
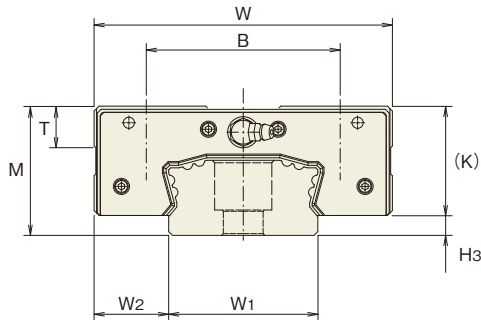


Model SPR-LR



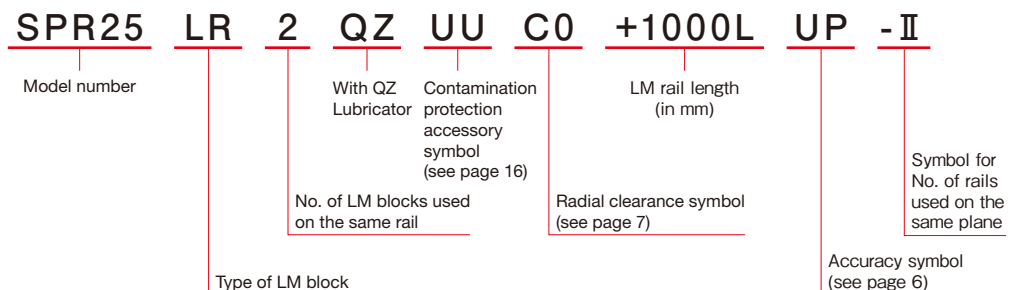
Models SPR15,20



Models SPR25 to 45

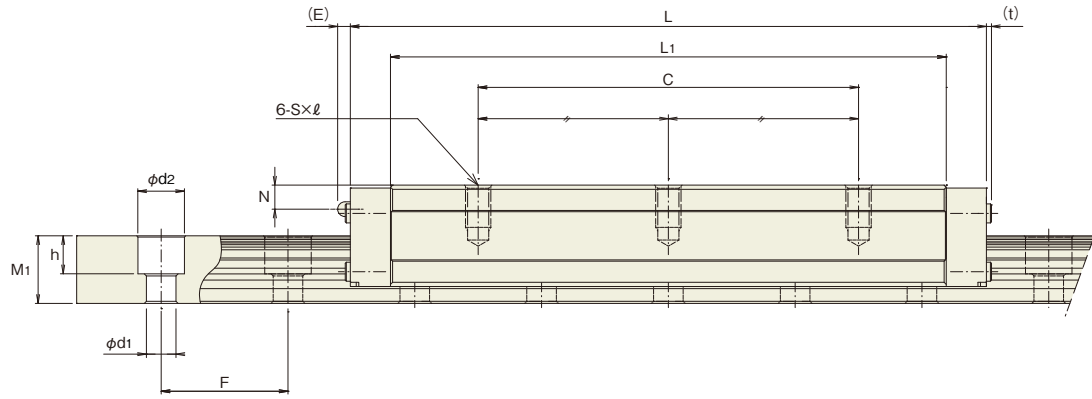
Model No.	Outer dimensions			LM block dimensions													
	Height M	Width W	Length L	t	Mounting hole				L ₁	T	K	N	f _o	E	e _o	D _o	Grease nipple
					B	C'	C	S×l									
SPR15LR	25	50	121.5	0.8	34	—	70	M5×8	106.5	7	21	5.5	—	3.3	—	—	PB107
SPR20LR	28	60	150.5	1.2	40	—	90	M6×10	131.5	8	24	5.7	—	3	—	—	PB107
SPR25LR	31	72	180.1	—	47	40	120	M8×10.5	158.1	10	26.5	6.3	9.2	12	4.5	3.9	B-M6F
SPR30LR	38	90	207.8	—	58	45	135	M10×14	182.6	12	33	8.0	10.9	12	4.5	3.9	B-M6F
SPR35LR	44	100	235.5	—	66	50	150	M12×16	208.3	14	38	9.5	12.4	12	6	5.2	B-M6F
SPR45LR	52	120	288.5	—	78	65	195	M14×18.5	256.5	16	44	10.5	12.3	16	6	5.2	B-PT1/8

Model number coding

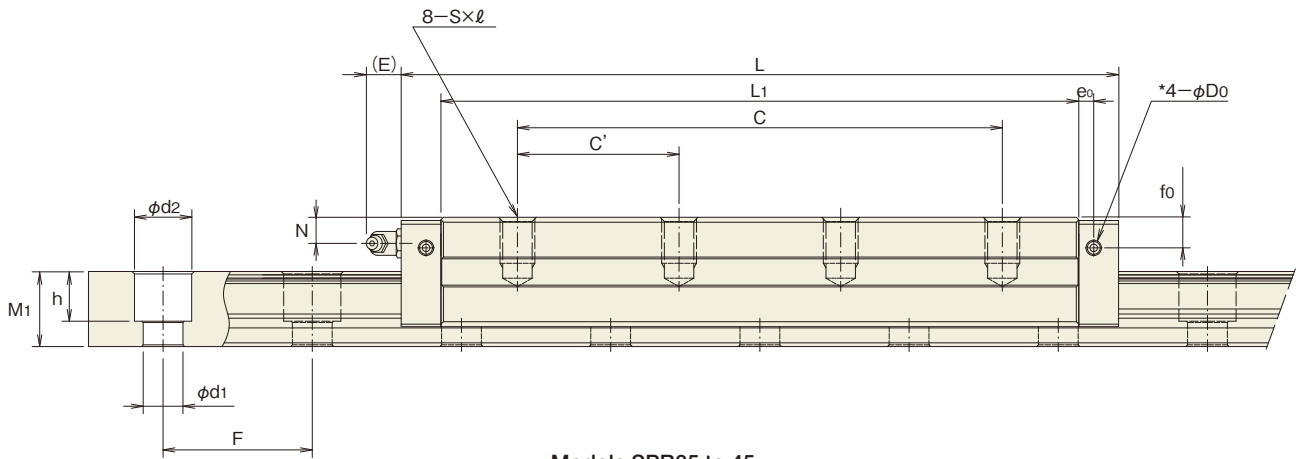


Note) This model number consists of a set of LM blocks and LM rails. (At least two sets are required when using two rails in parallel.)

Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.



Models SPR15,20



Models SPR25 to 45

Unit: mm

H ₃	LM rail dimensions						Basic load rating		Static permissible moment [kN-m] ^{*2}					Mass	
	Width	Height	Pitch	Mounting hole	Length	C	C ₀	M _A		M _B		M _C	LM block	LM rail	
	W ₁ 0 -0.05	W ₂	M ₁	F	d ₁ ×d ₂ ×h	Max ^{*1}	[kN]	[kN]	1 block	Double blocks	1 block	Double blocks	1 block	[kg]	[kg/m]
4	25	12.5	14	30	6×9.5×8.5	3000	22.5	58.2	0.814	3.65	0.401	1.8	0.454	0.6	2.5
4	30	15	16	30	7×11×9	3000	36.8	92.4	1.56	7.05	0.77	3.48	0.84	1.0	3.4
4.5	35	18.5	18.2	40	9×14×12	3000	59.9	156	3.22	14.5	1.69	7.59	1.72	1.5	4.1
5	45	22.5	21.4	52.5	11×17.5×14	3090	83.2	212	5.08	22.7	2.66	11.9	3.02	2.7	6.9
6	50	25	25	52.5	14×20×17	3090	111	278	7.56	33.6	3.96	17.6	4.37	4.0	9.0
8	60	30	30.2	60	16×23×20	3060	178	434	13.8	64.4	7.73	33.7	8.05	7.0	11.6

*1 The maximum length under "Length" indicates the standard maximum length of an LM rail.

*2 Static permissible moment: 1 block: static permissible moment value with 1 LM block

Double blocks: static permissible moment value with 2 blocks closely contacting with each other

*3 For Model SPR/SPS, balls will fall out of the LM block if it is removed from the LM rail. Please take precautions to prevent the blocks from overrunning the rail.

Note 1) These are pilot holes for when desiring a grease nipple for a model attached with LaCS or QZ Lubricator.

The pilot holes are not drilled through in order to prevent foreign material from entering the LM block.

When desiring a grease nipple mounting, contact THK.

Note 2) Lubrication

For Model SPR/SPS, Lithium soap group grease No. 2 (AFB-LF grease) is contained as standard.

When desiring another grease or model without grease contained, contact THK.

When desiring lubrication or automatic greasing, be sure to contact THK.