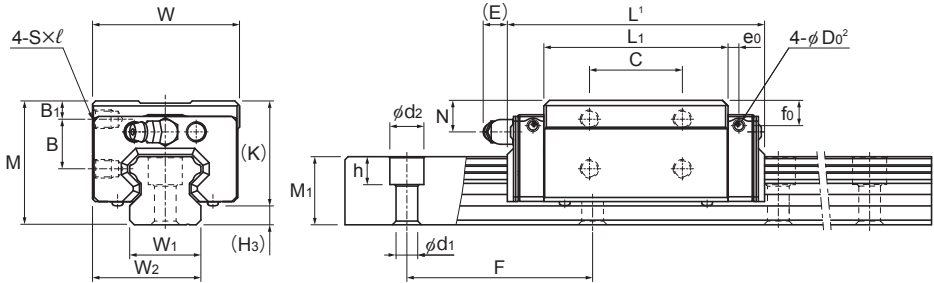


Models HSR-YR, HSR-YRM, and HSR-XYR



Models HSR15 to 35YR/YRM

Model No.	Outer dimensions			LM block dimensions										Pilot hole for side nipple			H ₃
	Height	Width	Length ¹	B ₁	B	C	S × l	L ₁	K	N	E	Grease nipple	e ₀	f ₀	D ₀ ²		
	M	W	L														
HSR 15YR HSR 15YRM	28	33.5	56.6	4.3	11.5	18	M4 × 5	38.8	23.3	8.3	5.5	PB1021B	3.2	7.9	3	4.7	
HSR 20YR HSR 20YRM	30	43.5	74	4	11.5	25	M5 × 6	50.8	26	5	12	B-M6F	3.1	3.4	3	4	
HSR 25YR HSR 25YRM	40	47.5	83.1	6	16	30	M6 × 6	59.5	34.5	10	12	B-M6F	3.5	8	3	5.5	
HSR 30YR HSR 30YRM	45	59.5	98	8	16	40	M6 × 9	70.4	38	10	12	B-M6F	5.2	9.2	5.2	7	
HSR 35YR HSR 35YRM	55	69.5	109.4	8	23	43	M8 × 10	80.4	47.5	15	12	B-M6F	5.5	12.6	5.2	7.5	
HSR 45XYR	70	85.5	138.9	10	30	55	M10 × 12	98	60	20	16	B-PT1/8	6.1	16.6	5.2	10	
HSR 45YR	70	85.5	138.9	10	30	55	M10 × 14	98	60	20	16	B-PT1/8	—	—	—	10	
HSR 55XYR	80	99.5	162.9	12	32	70	M12 × 13	118	67	21	16	B-PT1/8	5.6	17.7	5.2	13	
HSR 55YR	80	99.5	162.9	12	32	70	M12 × 15	118	67	21	16	B-PT1/8	—	—	—	13	
HSR 65XYR	90	124.5	190.5	12	35	85	M16 × 18	138.5	76	19	16	B-PT1/8	6.8	14.6	5.2	14	

Model number coding

HSR25 YR 2 UU C0 M +1240L P T M -II

Model number

Type of LM block

Contamination protection accessory symbol

Stainless steel LM block

LM rail length (in mm)

Stainless steel LM rail

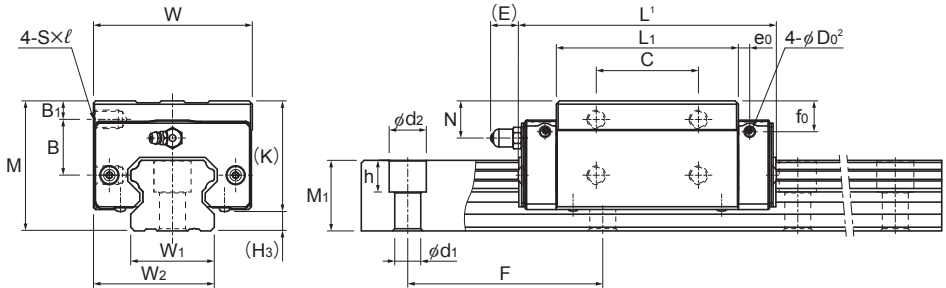
Symbol for No. of rails used on the same plane

No. of LM blocks used on the same rail

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

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

Symbol for LM rail jointed use



Models HSR45 to 65YR/XYR

Unit: mm

	LM rail dimensions						Basic load rating		Static permissible moment kN·m ⁴					Mass	
	Width	Height	Pitch		Length ³	C	C ₀	M _A		M _B		M _C	LM block	LM rail	
	W ₁ ±0.05	W ₂	M ₁	F	d ₁ ×d ₂ ×h	Max	kN	kN	1 block	2 blocks	1 block	2 blocks	1 block	kg	kg/m
	15	24	15	60	4.5×7.5×5.3	3000 (1240)	10.9	15.7	0.0945	0.527	0.0945	0.527	0.0998	0.18	1.5
	20	31.5	18	60	6×9.5×8.5	3000 (1480)	19.8	27.4	0.218	1.2	0.218	1.2	0.235	0.25	2.3
	23	35	22	60	7×11×9	3000 (2020)	27.6	36.4	0.324	1.8	0.324	1.8	0.366	0.54	3.3
	28	43.5	26	80	9×14×12	3000 (2520)	40.5	53.7	0.599	3.1	0.599	3.1	0.652	0.9	4.8
	34	51.5	29	80	9×14×12	3000 (2520)	53.9	70.2	0.895	4.51	0.895	4.51	1.05	1.5	6.6
	45	65	38	105	14×20×17	3090	82.2	101	1.5	8.37	1.5	8.37	1.94	2.6	11
	45	65	38	105	14×20×17	3090	82.2	101	1.5	8.37	1.5	8.37	1.94	2.6	11
	53	76	44	120	16×23×20	3060	121	146	2.6	14.1	2.6	14.1	3.43	4.3	15.1
	53	76	44	120	16×23×20	3060	121	146	2.6	14.1	2.6	14.1	3.43	4.3	15.1
	63	93	53	150	18×26×22	3000	195	228	5.08	25	5.08	25	6.2	7.3	22.5