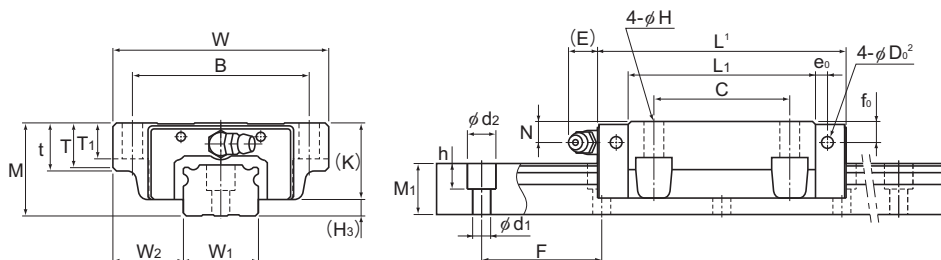


Models NR-B, NR-LB, NRS-B, and NRS-LB



Models NR-B and NRS-B

Model No.	Outer dimensions			LM block dimensions												Pilot hole for side nipple			
	Height	Width	Length ¹	B	C	H	L ₁	t	T	T ₁	K	N	E	Grease nipple	e ₀	f ₀	D ₀ ²	H ₃	
	M	W	L																
NR 75B NR 75LB	83	195	218 274	165	130	18	170.2 226.2	30	28	26	68	18	16	B-PT1/8	9	17	8.2	15	
NR 85B NR 85LB	90	215	246.7 302.8	185	140	18	194.9 251	34	32	28	73	20	16	B-PT1/8	10	20	8.2	17	
NR 100B NR 100LB	105	260	286.2 326.2	220	150 200	20	223.4 263.4	38	35	32	85	23	10	B-PT1/4	12	23	8.2	20	
NRS 75B NRS 75LB	83	195	218 274	165	130	18	170.2 226.2	30	28	26	68	18	16	B-PT1/8	9	17	8.2	15	
NRS 85B NRS 85LB	90	215	246.7 302.8	185	140	18	194.9 251	34	32	28	73	20	16	B-PT1/8	10	20	8.2	17	
NRS 100B NRS 100LB	105	260	286.2 326.2	220	150 200	20	223.4 263.4	38	35	32	85	23	10	B-PT1/4	12	23	8.2	20	

Model number coding

NR75 B 2 QZ DDHH C0 +1580L P Z T -II

Model number

Type of LM block

With QZ Lubricator

Contamination protection accessory symbol

LM rail length (in mm)

Symbol for LM rail jointed use

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)

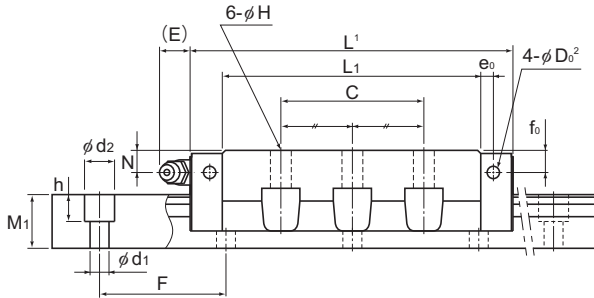
With plate cover or steel tape

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

Notes: 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. Contact THK if you want to use a grease nipple for a model with a QZ.

See [A1-547](#) for contamination protection accessories. See [A1-73](#) for radial clearance symbol. See [A1-79](#) for accuracy symbol, specify either plate cover or steel tape. See [A1-13](#) for number of rails used on the same plane.



Models NR-LB and NRS-LB

Unit: mm

LM rail dimensions						Basic load rating ¹⁾		Static permissible moment kN·m ⁵⁾					Mass	
Width W ₁ 0 -0.05	Height W ₂	Pitch M ₁	Pitch F	Length ³⁾ d ₁ × d ₂ × h	Length ³⁾ Max	C kN	C ₀ kN	M _A		M _B		M _C	LM block kg	LM rail kg/m
								1 block	2 blocks	1 block	2 blocks	1 block		
75	60	44	150	22 × 32 × 26	3000	271 355	610 800	14.4 25.4	73.3 118	8.91 15.4	44.7 71.4	19.3 25.2	11.3 15	24.6
85	65	48	180	24 × 35 × 28	3000	336 435	751 972	20.3 34.7	102 160	12.4 21	62.6 96.2	26.8 34.6	16.2 20.7	30.5
100	80	57	210	26 × 39 × 32	3000	479 599	1040 1300	34 47.3	167 238	20.7 29.2	101 146	43.4 54.6	26.7 31.2	42.6
75	60	44	150	22 × 32 × 26	3000	212 278	431 566	10.6 18.6	53.8 87	10.6 18.6	53.8 87	13.4 17.6	11.3 15	24.6
85	65	48	180	24 × 35 × 28	3000	264 342	531 687	14.9 25.4	75.3 117	14.9 25.4	75.3 117	18.7 24.2	16.2 20.7	30.5
100	80	57	210	26 × 39 × 32	3000	376 470	737 920	25.1 34.6	123 174	25.1 34.6	123 174	30.4 38.1	26.7 31.2	42.6

¹⁾ Length L shown in the table is the length with the contamination protection accessories, code UU or SS.

If other contamination protection accessories or lubricant equipment are installed, the total block length will increase. (See [A1-521](#) or [A1-543](#))

²⁾ D₀ are the pilot holes for when a grease nipple is desired for a product with LaCS or a QZ Lubricator.

Pilot holes are not drilled through for models other than those stated above.

For grease nipple mount machining, contact THK.

³⁾ The maximum length indicates the standard maximum length of an LM rail. (See [A1-246](#).)

⁴⁾ The basic load rating is for a load in the radial direction.

Use [A1-61](#) on Table 7 to calculate the load rating for loads in the reverse-radial direction or lateral direction.

⁵⁾ Static permissible moment 1 block: the static permissible moment with one LM block

2 blocks: the static permissible moment with two LM blocks in close contact with each other

Note: For oil lubrication, be certain to let THK know the mounting orientation and where the LM block piping joint should be attached.

(Mounting orientation: see [A1-12](#), Lubricant: see [A24-2](#))