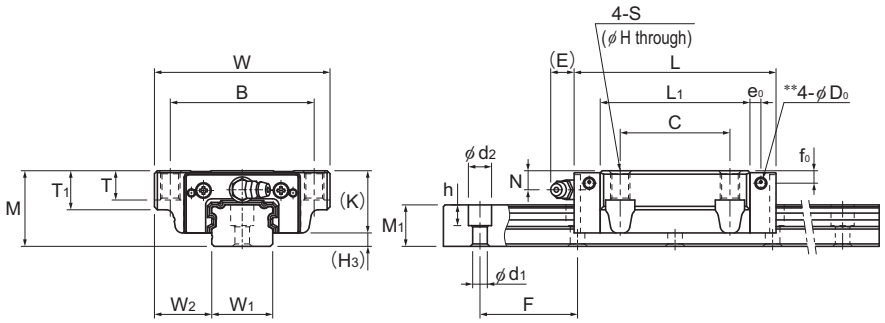
Models NR-CX and NR-LCX



Model NR-CX

Model No.	Outer dimensions			LM block dimensions														Grease nipple	H_3
	Height M	Width W	Length L	B	C	S	H	L_1	T	T_1	K	N	f_0	E	e_0	D_0			
NR 25CX NR 25LCX	31	72	82.8 102	59	45	M8	6.8	61.4 80.6	14.8	16	25.5	7.8	5.1	12	4.5	3.9	B-M6F	5.5
NR 30CX NR 30LCX	38	90	98 120.5	72	52	M10	8.5	72.1 94.6	16.9	18.1	31	10.3	7	12	6.5	3.9	B-M6F	7
NR 35CX NR 35LCX	44	100	109.5 135	82	62	M10	8.5	79 104.5	18.9	20.1	35	12.1	8	12	6	5.2	B-M6F	9
NR 45CX NR 45LCX	52	120	138.2 171	100	80	M12	10.5	105 137.8	20.6	22.1	40.4	13.9	8	16	8.5	5.2	B-PT1/8	11.6
NR 55CX NR 55LCX	63	140	163.3 200.5	116	95	M14	12.5	123.6 160.8	22.5	24	49	16.6	10	16	10	5.2	B-PT1/8	14
NR 65CX NR 65LCX	75	170	186 246	142	110	M16	14.5	143.6 203.6	26	28	60	19	15	16	8.7	8.2	B-PT1/8	15

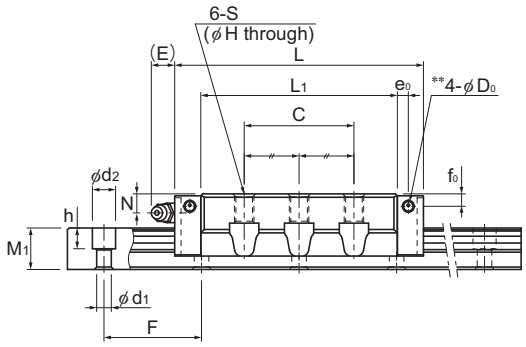
Model number coding

NR35 CX 2 QZ KKHH C0 +1400L P T -II

- NR35: Model number
- CX: Type of LM block
- 2: No. of LM blocks used on the same rail
- QZ: With QZ Lubricator
- KKHH: Contamination protection accessory symbol
- C0: Radial clearance symbol
  Normal (No symbol)
  Light preload (C1)
  Medium preload (C0)
- +1400L: LM rail length (in mm)
- P: Accuracy symbol
  Normal grade (No Symbol)/High accuracy grade (H)
  Precision grade (P)/Super precision grade (SP)
  Ultra precision grade (UP)
- T: Symbol for LM rail jointed use
- -II: Symbol for No. of rails used on the same plane

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. Contact THK if you want to use a grease nipple for a model with a QZ.
See **A1-545** for contamination protection accessories, see **A1-73** for radial clearance symbol. See **A1-79** for accuracy symbol. See **A1-13** for symbol for number of rails used on the same plane.

Download data by searching for the corresponding model number on the Technical Support site. https://tech.thk.com



Model NR-LCX

Unit: mm

	LM rail dimensions						Basic load rating		Static permissible moment kN·m*						Mass	
	Width		Height	Pitch		Length*	C	C_0	M_A		M_B		M_C		LM block	LM rail
	W_1 0 -0.05	W_2	M_1	F	$d_1 \times d_2 \times h$	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block		kg	kg/m
	25	23.5	17	40	6×9.5×8.5	3000	37.1 45.4	68.1 90.8	0.57 0.989	3.04 4.91	0.346 0.597	1.84 2.95	0.703 0.937		0.6 0.8	2.9
	28	31	21	80	7×11×9	3000	54.7 66.9	98.1 130.8	0.986 1.71	5.17 8.34	0.599 1.03	3.13 5.02	1.15 1.53		1.1 1.5	4.2
	34	33	24.5	80	9×14×12	3000	72.4 89.6	124.6 169.1	1.37 2.46	7.38 12.1	0.835 1.49	4.48 7.3	1.74 2.36		1.6 2	6
	45	37.5	29	105	14×20×17	3090	110.2 132	197.6 255.8	2.81 4.87	14.7 23	1.72 2.94	8.95 13.8	3.72 4.81		2.7 3.6	9.5
	53	43.5	36.5	120	16×23×20	3060	141.9 175.1	250.2 338.4	4.22 7.27	21.8 35.9	2.56 4.4	13.2 21.7	5.37 7.27		4.5 5.9	14
	63	53.5	43	150	18×26×22	3000	208.7 268.9	351.7 505.5	6.87 13.8	35 65.4	4.16 8.31	21.2 39.3	8.94 12.9		7.8 11	19.6

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-240**.)
Static permissible moment* 1 block: the static permissible moment with one LM block
Double blocks: static permissible moment when two LM blocks are in close contact with each other
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**)
Total block length L : The total block length L shown in the table is the length with the dust proof parts, code UU or SS. If other contamination protection accessories or lubricant equipment are installed, the total block length will increase.
(See **A1-519** or **A1-541**)

** These are the side nipple pilot holes for when a grease nipple is desired for a product with LaCS or a QZ Lubricator. Pilot holes for side nipples are not drilled through for models other than those stated above. For grease nipple mount machining, contact THK.

Note2) The basic load rating in the dimension table is for a load in the radial direction. Use Table 7 on **A1-61** to calculate the load rating for loads in the reverse radial direction or lateral direction.

Options⇒A1-505