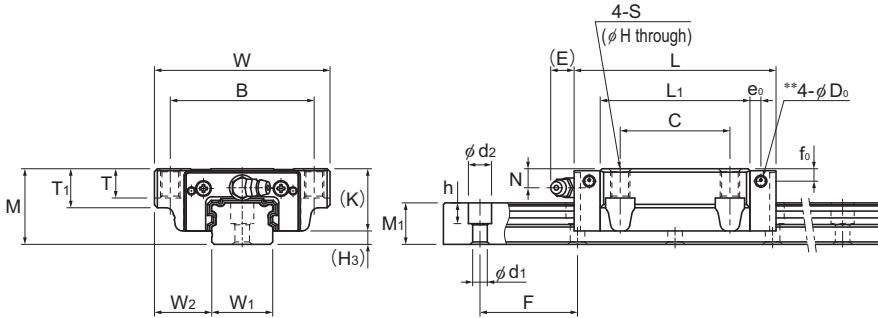


# Models NRS-CX and NRS-LCX



Model NRS-CX

Model No.	Outer dimensions			LM block dimensions														Grease nipple	H <sub>3</sub>
	Height	Width	Length	B	C	S	H	L <sub>1</sub>	T	T <sub>1</sub>	K	N	f <sub>0</sub>	E	e <sub>0</sub>	D <sub>0</sub>			
	M	W	L	B	C	S	H	L <sub>1</sub>	T	T <sub>1</sub>	K	N	f <sub>0</sub>	E	e <sub>0</sub>	D <sub>0</sub>			
NRS 25CX NRS 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	
NRS 30CX NRS 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	
NRS 35CX NRS 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	
NRS 45CX NRS 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	
NRS 55CX NRS 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	
NRS 65CX NRS 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

**NRS45 LCX 2 QZ SSHH C0 +2040L P 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

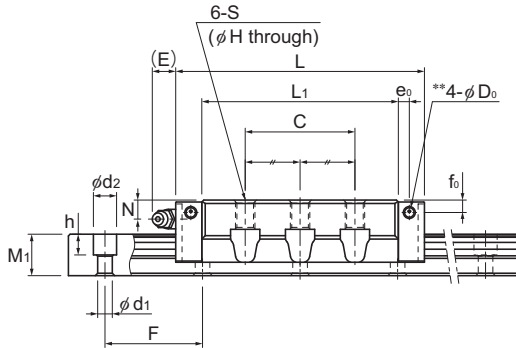
Radial clearance symbol  
Normal (No symbol)  
Light preload (C1)  
Medium preload (C0)

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

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.



Model NRS-LCX

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN·m*						Mass	
Width W <sub>1</sub> 0 -0.05	Height M <sub>1</sub>	Pitch F	Length* Max	d <sub>1</sub> × d <sub>2</sub> × h	C	C <sub>0</sub>	M <sub>A</sub>		M <sub>B</sub>		M <sub>C</sub>	LM block kg	LM rail kg/m		
							1 block	Double blocks	1 block	Double blocks	1 block				
25	23.5	17	40	6 × 9.5 × 8.5	3000	28.4 34.7	52.2 69.6	0.457 0.786	2.43 3.9	0.422 0.727	2.25 3.61	0.552 0.732	0.6 0.8	2.9	
28	31	21	80	7 × 11 × 9	3000	41.9 51.2	75.2 100.2	0.785 1.36	4.12 6.62	0.726 1.26	3.82 6.13	0.896 1.19	1.1 1.5	4.2	
34	33	24.5	80	9 × 14 × 12	3000	55.5 68.6	95.5 129.5	1.09 1.95	5.88 9.61	1.01 1.81	5.45 8.9	1.36 1.84	1.6 2	6	
45	37.5	29	105	14 × 20 × 17	3000	84.4 101.1	151.4 195.9	2.23 3.87	11.7 18.3	2.07 3.57	10.8 16.9	2.9 3.75	2.7 3.6	9.5	
53	43.5	36.5	120	16 × 23 × 20	3000	108.7 134.1	191.6 259.3	3.36 5.76	17.4 28.4	3.1 5.32	16.1 26.3	4.19 5.67	4.5 5.9	14	
63	53.5	43	150	18 × 26 × 22	3000	159.8 206	269.4 387.2	5.46 10.9	27.8 51.9	5.05 10.1	25.8 48	6.97 10.02	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.