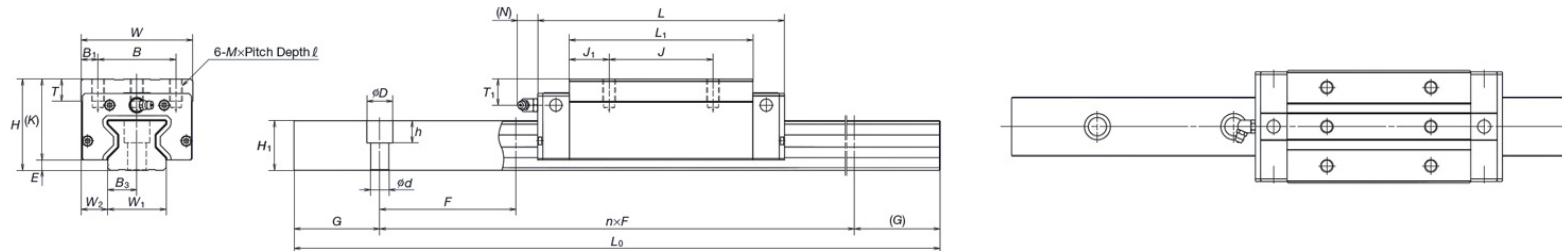


# NSK-RA20 - Linear Guides

Rail Part Number	Rail Dimensions (mm)							Weight (lbs)
	W <sub>1</sub>	H <sub>1</sub>	G	F	d x D x h	B <sub>3</sub>	Rail Length (mm)	
NSK-R1A20L-0150-15-15	20	20.8	20	60	6x9.5x8.5	10	150	0.9
NSK-R1A20L-0300-30-30	20	20.8	20	60	6x9.5x8.5	10	300	1.7
NSK-R1A20L-0500-10-10	20	20.8	20	60	6x9.5x8.5	10	500	2.9
NSK-R1A20L-0700-20-20	20	20.8	20	60	6x9.5x8.5	10	700	4.0
NSK-R1A20L-0900-30-30	20	20.8	20	60	6x9.5x8.5	10	900	5.2
NSK-R1A20L-1100-10-10	20	20.8	20	60	6x9.5x8.5	10	1100	6.3
NSK-R1A20L-1300-20-20	20	20.8	20	60	6x9.5x8.5	10	1300	7.5
NSK-R1A20L-1500-30-30	20	20.8	20	60	6x9.5x8.5	10	1500	8.6
NSK-R1A20L-1700-10-10	20	20.8	20	60	6x9.5x8.5	10	1700	9.7
NSK-R1A20L-1900-20-20	20	20.8	20	60	6x9.5x8.5	10	1900	10.9
NSK-R1A20L-2100-30-30	20	20.8	20	60	6x9.5x8.5	10	2100	12.0
NSK-R1A20L-2300-10-10	20	20.8	20	60	6x9.5x8.5	10	2300	13.2
NSK-R1A20L-2500-20-20	20	20.8	20	60	6x9.5x8.5	10	2500	14.3
NSK-R1A20L-2700-30-30	20	20.8	20	60	6x9.5x8.5	10	2700	15.5
NSK-R1A20L-2900-10-10	20	20.8	20	60	6x9.5x8.5	10	2900	16.6
NSK-R1A20L-3000L	20	20.8	20	60	6x9.5x8.5	10	3000	17.2

## AN, AL Square Type

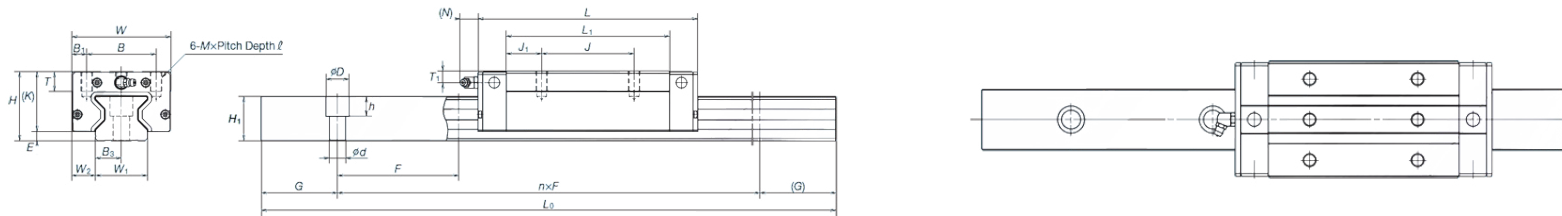


Block Part Number	Fabrication Dimension (mm)		Block Dimensions (mm)													Load Capacities (kN)		Static Moment (Nm)			Weight (lbs)
	H	W <sub>2</sub>	W	L	L <sub>1</sub>	B	B <sub>1</sub>	E	J <sub>1</sub>	T <sub>1</sub>	N	J	K	T	C	C <sub>n</sub>	M <sub>r<sub>n</sub></sub>	M <sub>p<sub>n</sub></sub>	M <sub>y<sub>n</sub></sub>		
NSK-RAA20ANP6Z	30	12	44	86.5	57.5	32	6	5	10.75	4	3	36	25	12	19.2	52.5	665	505	505	.84	

The rated load capacities and static moment values are calculated according to the ISO Standards (ISO14728-1) for linear guides. If the above basic dynamic load rating (100km) is converted into 50km rating, use the formula:  $C_{50km} = 1.23 \times C_{100km}$ . With the RA series, the dynamic load rating is the same in both the vertical and horizontal directions (4-way load specifications).

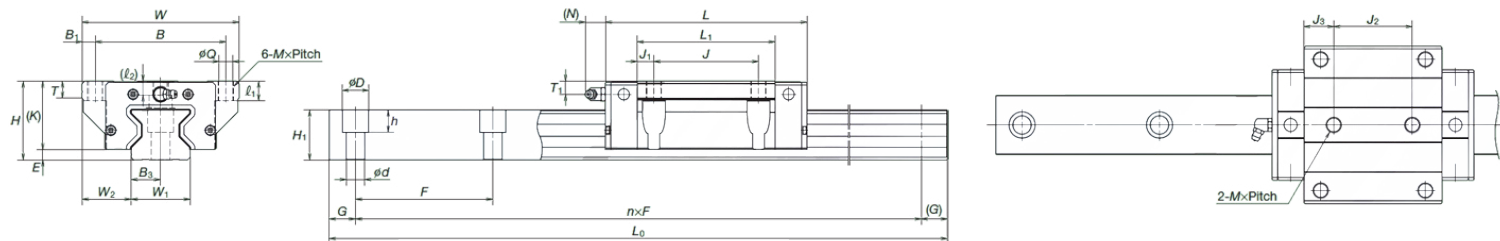
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### BN, BL, Low-Profile Type



Block Part Number	Fabrication Dimension (mm)		Block Dimensions (mm)												Load Capacities (kN)		Static Moment (Nm)			Weight (lbs)
	H	W <sub>2</sub>	W	L	L <sub>1</sub>	B	B <sub>1</sub>	E	J <sub>1</sub>	T <sub>1</sub>	N	J	K	T	C	C <sub>0</sub>	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	
NSK-RAA20BNP6Z	30	12	44	106.3	77.3	32	6	5	13.65	4	3	50	25	12	24	70	890	900	900	1.1

### EM, GM Flange Type



Block Part Number	Fabrication Dimension (mm)		Block Dimensions (mm)												Load Capacities (kN)		Static Moment (Nm)			Weight (lbs)
	H	W <sub>2</sub>	W	L	L <sub>1</sub>	B	B <sub>1</sub>	E	J <sub>1</sub>	T <sub>1</sub>	N	J	K	T	C	C <sub>0</sub>	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	
NSK-RAA20EMP6Z	30	21.5	63	86.5	57.5	63	5	5	8.75	4	3	40	25	10	19.2	52.5	665	505	505	.45
NSK-RAA20GMP6Z	30	21.5	63	106.3	77.3	63	5	5	18.65	4	3	40	25	10	24	70	890	900	900	1.43