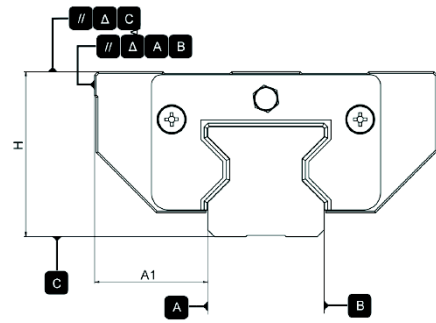


# TECHNICAL INFORMATION

Table 1: Accuracy classes and tolerances

Tolerances	Accuracy class			
	Q0	Q1	Q2	Q3
Tolerance on "H" dimension	± 5 µm	± 10 µm	± 20 µm	± 30 µm
Tolerance on "A1" dimension	± 5 µm	± 7 µm	± 20 µm	± 20 µm
Variation on "H" dimension between block of the same rail	3 µm	5 µm	7 µm	15 µm
Variation on "A1" dimension between block of the same rail	3 µm	5 µm	7 µm	15 µm



## Preload classes

The preload increases the stiffness of the guide, but influences the life and the resistance to the movement. The two preload classes that are suggested can meet the different application needs.

Table 2: Preload classes

Preload class	Preload	Accuracy class
P2	0,08C	Q0   Q1   Q2   Q3
P3	0,13C	Q0   Q1   Q2   Q3

Allowed acceleration and speed

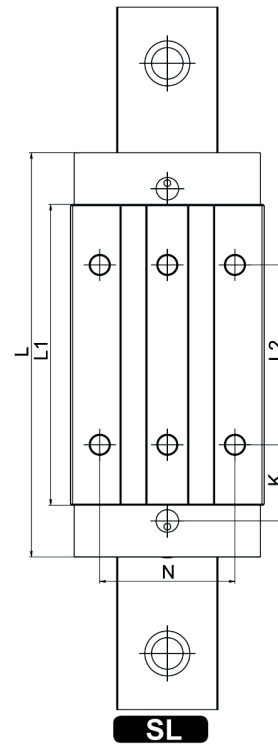
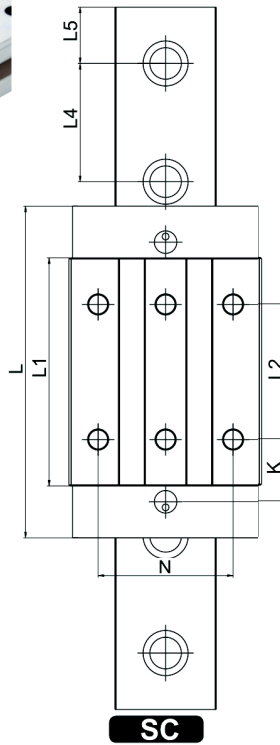
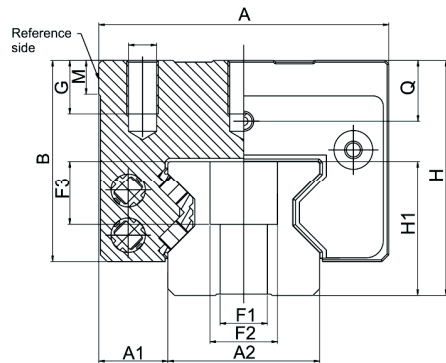
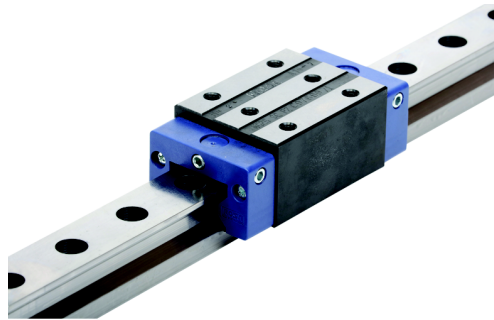
$$V_{\max} = 3 \text{ m/s}$$

$$a_{\max} = 50 \text{ m/s}^2$$

Operating temperatures

$$-10 \text{ }^\circ\text{C} \text{ } +80 \text{ }^\circ\text{C}$$

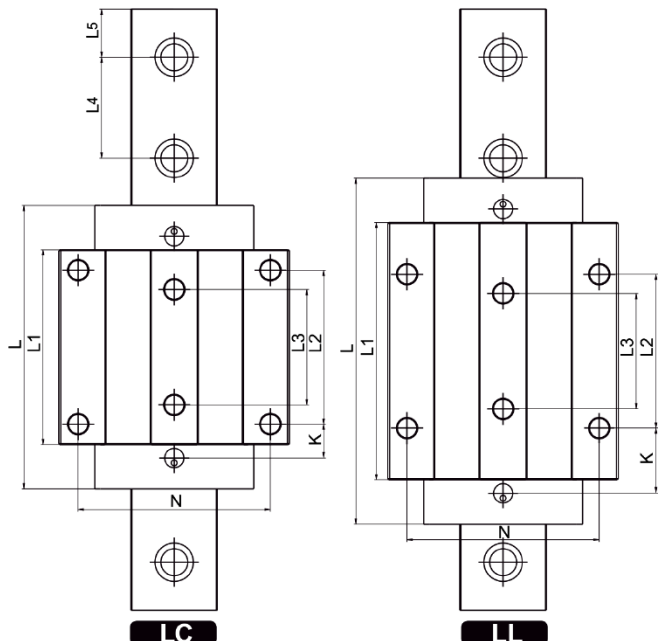
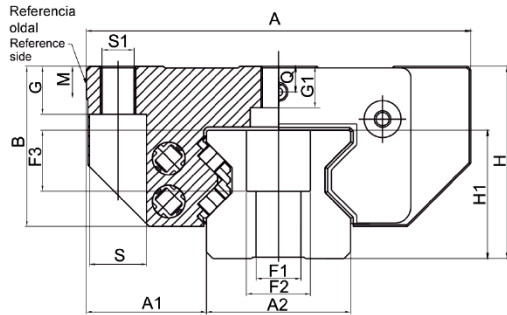
# SC/SL TYPE



Type	H	A	A1	A2	H1	B	L	L1	L2	L4	L5	N	S1	G	F1	F2	F3	M	Q	K	Weight (kg)	
	(mm)																				Block	Rail
25 SC	40	48	12,5	23	24,5	33,5	90,2	62	35	30	14	35	M6	9	7	11	11,5	7,5	9,5	19	0,6	3,4
25 SL							109,7	81,5	50											21,2	0,8	3,4
35 SC	55	70	18	34	32	48	119,3	80	50	40	19	50	M8	12	9	15	17	8	14,9	21,5	1,6	6,5
35 SL							142,3	103	72											22	2	6,5
45 SC	70	86	20,5	45	40	60	147,3	101,3	60	52,5	25	60	M10	18	14	20	19	10	18	27,6	3,1	10,7
45 SL							179,8	133,8	80											33,9	4,1	10,7
55 SC	80	100	23,5	53	48	67	173	120	75	60	29	75	M12	19	16	24	22	12	19	31,5	4,7	15,2
55 SL							215	162	95											42	6,2	15,2
65 SC	90	126	31,5	63	55	78	221,8	159,8	70	75	36,5	76	M16	22	18	26	26	15,5	15	49	8,5	22,5
65 SL							272,3	210,3	120											49,2	12,7	22,5

standard accuracy with middle preload  
middle accuracy with middle preload  
high accuracy with high preload (recomend for machine tools and high precision application)

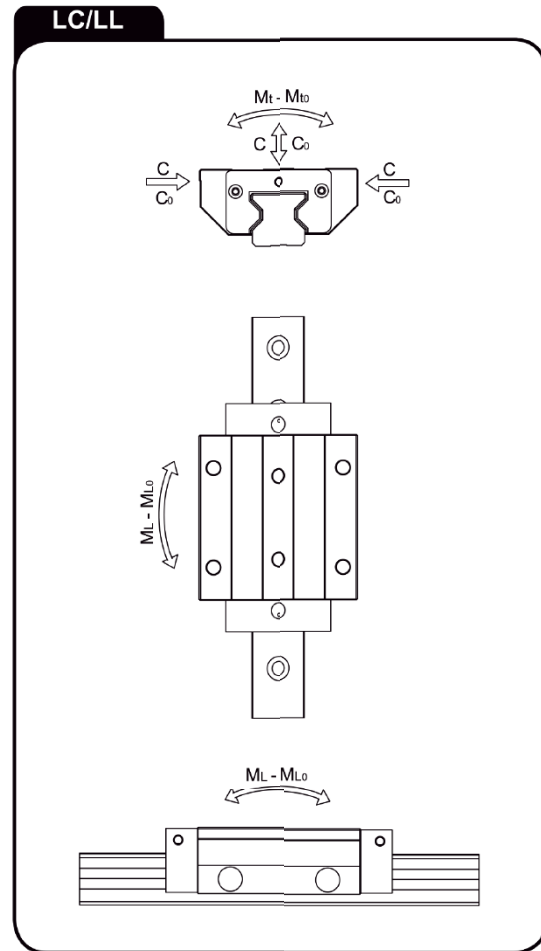
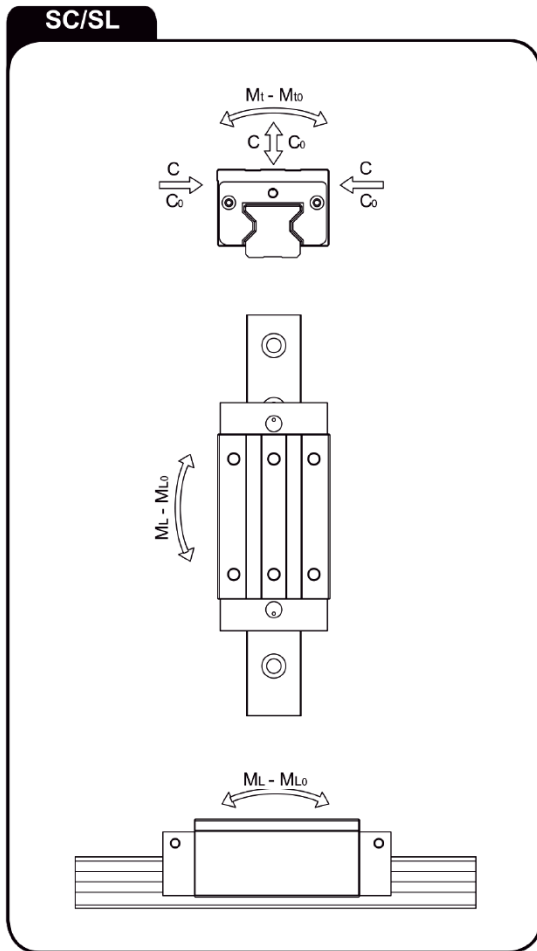
# LC/LL TYPE



Type	H	A	A1	A2	H1	B	L	L1	L2	L3	L4	L5	N	S	S1	G	G1	F1	F2	F3	M	Q	K	Weight (kg)	
	(mm)																							Block	Rail
25 LC	36	70	23,5	23	24,5	29,5	90,2	62,0	45	40	30	14	57	11	M8	9	7	7	11	12	7,5	5,5	14	0,7	3,4
25 LL							109,7	81,5															23,7	0,9	3,4
35 LC	48	100	33	34	32	41	119,3	80	62	52	40	19	82	15	M10	12	10	9	15	17	8	7,9	15,5	1,7	6,5
35 LL							142,3	103															27	2,2	6,5
45 LC	60	120	37,5	45	40	50	147,3	101,3	80	60	52,5	25	100	18	M12	15	12	14	20	19	10	8	17,6	3,3	10,7
45 LL							179,8	133,8															33,9	4,3	10,7
55 LC	70	140	43,5	53	48	57	173	120	95	70	60	29	116	20	M14	18	13,5	16	24	22	12	9	21,5	5,1	15,2
55 LL							215	162															42	7	15,2
65 LC	90	170	53,5	63	55	78	221,8	159,8	110	82	75	36,5	142	23	M16	22	19,5	18	26	26	15,5	15	29	9,3	22,5
65LL							272,3	210,3															54,3	13,5	22,5

standard accuracy with middle preload  
middle accuracy with middle preload  
high accuracy with high preload (recomend for machine tools and high precision application)

# Capacity



Tipus Type	C	C <sub>0</sub>	M <sub>t</sub>	M <sub>t0</sub>	ML	M <sub>L0</sub>
	(N)		(Nm)			
25 LC / SC	28 700	57 600	431	863	285	570
25 LL / SL	38 900	76 800	583	1150	491	970
35 LC / SC	53 300	99 000	1179	2192	674	1253
35 LL / SL	72 600	136 000	1595	3014	1187	2243
45 LC / SC	95 000	184 000	2617	5070	1538	2979
45 LL / SL	119 500	242 200	3293	6672	2444	4951
55 LC / SC	132 600	256 000	4503	8707	2576	4981
55 LL / SL	176 000	351 000	5977	11915	4470	8910