

Linear guideways

HG/QH series

3.1.9.3 HGW/QHW

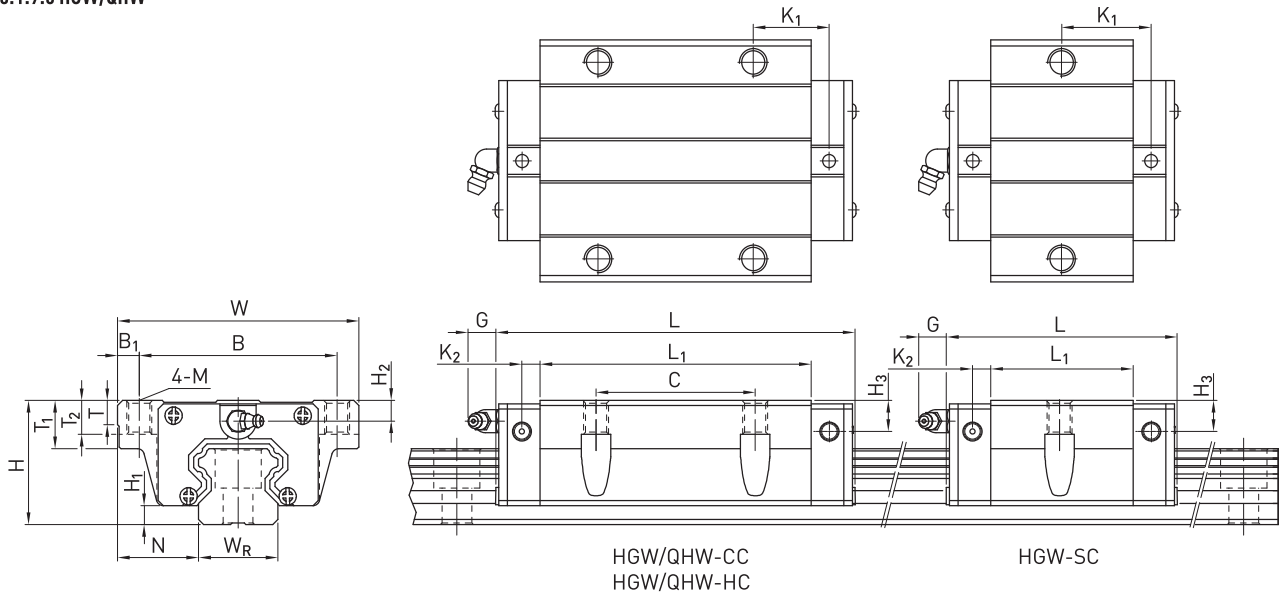


Table 3.8 Dimensions of the block

Series/size	Installation dimensions [mm]			Dimensions of the block [mm]																Load ratings [N]		Weight [kg]
	H	H ₁	N	W	B	B ₁	C	L ₁	L	K ₁	K ₂	M	G	T	T ₁	T ₂	H ₂	H ₃	C _{dyn}	C ₀		
HGW15CC	24	4.3	16.0	47	38	4.5	30	39.4	61.4	8.00	4.85	M5	5.3	6.0	8.9	7.0	3.95	3.7	14,700	23,470	0.17	
QHW15CC	24	4.0	16.0	47	38	4.5	30	39.4	61.4	8.00	5.00	M5	5.3	6.0	8.9	7.0	3.95	4.2	17,940	19,860	0.17	
HGW20SC	30	4.6	21.5	63	53	5.0	—	29.5	54.3	19.65	6.00	M6	12.0	8.0	10.0	9.5	6.00	6.0	16,840	22,570	0.28	
40							50.5	77.5	10.25	27,100									36,680	0.40		
65.2							92.2	17.60	32,700	47,960									0.52			
HGW20HC	30	4.6	21.5	63	53	5.0	40	50.5	76.7	9.75	6.00	M6	12.0	8.0	10.0	9.5	6.00	6.0	30,000	33,860	0.40	
65.2							91.4	17.10	35,700	42,310									0.52			
—							38.2	64.2	23.20	6.00									M8	12.0	8.0	14.0
HGW25SC	36	5.5	23.5	70	57	6.5	45	58.0	84.0	10.70	6.00	M8	12.0	8.0	14.0	10.0	6.00	5.0	34,900	52,820	0.59	
45							58.0	84.0	10.70	42,200									69,070	0.80		
78.6							104.6	21.00	41,900	48,750									0.59			
HGW25HC	36	5.5	23.5	70	57	6.5	45	58.0	83.4	10.70	6.00	M8	12.0	8.0	14.0	10.0	6.00	5.0	50,610	60,940	0.80	
78.6							104.0	21.00	58,260	66,340									1.09			
93.0							120.4 ¹⁾	14.25	6.00	M10									12.0	8.5	16.0	10.0
HGW30CC	42	6.0	31.0	90	72	9.0	52	70.0	97.4 ¹⁾	14.25	6.00	M10	12.0	8.5	16.0	10.0	6.50	10.8	48,500	71,870	1.09	
93.0							120.4 ²⁾	25.75	58,260	66,340									1.09			
93.0							120.4	25.75	70,320	88,450									1.44			
HGW30HC	42	6.0	31.0	90	72	9.0	52	70.0	97.4	13.50	6.25	M10	12.0	8.5	16.0	10.0	6.50	6.0	58,260	66,340	1.09	
93.0							120.4	25.75	70,320	88,450									1.44			
93.0							120.4	25.75	70,320	88,450									1.44			
QHW30CC	48	7.5	33.0	100	82	9.0	62	80.0	112.4	14.60	7.00	M10	12.0	10.1	18.0	13.0	9.00	12.6	64,600	93,990	1.56	
62							80.0	112.4	14.60	77,900									122,770	2.06		
105.8							138.2	27.50	78,890	86,660									1.56			
HGW35CC	48	7.5	33.0	100	82	9.0	62	80.0	113.6	13.00	7.50	M10	12.0	10.1	18.0	13.0	8.50	6.5	78,890	86,660	1.56	
62							80.0	113.6	13.00	95,230									115,550	2.06		
105.8							139.4	25.90	95,230	115,550									2.06			
HGW45CC	60	9.5	37.5	120	100	10.0	80	97.0	139.4	13.00	10.00	M12	12.9	15.1	22.0	15.0	8.50	20.5	103,800	146,710	2.79	
80							97.0	139.4	13.00	125,300									191,850	3.69		
128.8							171.2	28.90	125,300	191,850									3.69			
HGW45HC	60	9.2	37.5	120	100	10.0	80	97.0	139.4	13.00	10.00	M12	12.9	15.1	22.0	15.0	8.50	10.0	119,400	135,420	2.79	
80							97.0	139.4	13.00	144,130									180,560	3.69		
128.8							171.2	28.90	144,130	180,560									3.69			
QHW45CC	70	13.0	43.5	140	116	12.0	95	117.7	166.7	17.35	11.00	M14	12.9	17.5	26.5	17.0	12.00	19.0	153,200	211,230	4.52	
95							117.7	166.7	17.35	184,900									276,230	5.96		
155.8							204.8	36.40	184,900	276,230									5.96			
HGW55CC	90	15.0	53.5	170	142	14.0	110	144.2	200.2	23.10	14.00	M16	12.9	25.0	37.5	23.0	15.00	15.0	213,200	287,480	9.17	
110							144.2	200.2	23.10	277,800									420,170	12.89		
203.6							259.6	52.80	277,800	420,170									12.89			

¹⁾ 98.8 for type SE; ²⁾ 121.8 for type SE

For dimensions of the rail, see Page 43, for standard as well as optional lubrication adapter see Page 152.