

## SERIES CG04 - DOUBLE ACTING MAGNETIC SLIDE CYLINDER



### Pressures

1 bar (0.1 MPa)  
10 bar (1 MPa)



### Temperature

-5°C (No freezing)  
+ 60 °C



### Sensors recommended

DC 02 PM8 - DC 02 P2M - DC 03 PM8 - DC 03 P2M  
DC 04 PM8 - DC 04 P2M - DC 05 PM8 - DC 05 P2M



### Reference Standard

1907/2006  
REACH ✓

2011/65/CE  
RoHS ✓



### Cylinder weight

Ø	Stroke									
	10	20	30	40	50	75	100	125	150	
6	89	110	122	161	199	-	-	-	-	
8	155	166	201	246	281	394	-	-	-	
12	360	362	369	425	529	722	960	-	-	
16	576	604	602	674	762	1095	1410	1702	-	
20	1050	1060	1092	1145	1320	1815	2365	2880	3368	
25	1636	1650	1673	1797	1989	2713	3260	4230	4530	

(Unit: g)

## CHARACTERISTICS

Fluids	Air (Lubrication not necessary)
Body	Aluminum alloy
Plate	Carbon steel
Magnet	Plastoferrite
Seals	NBR
Speed range	50 mm/sec - 500 mm/sec



Series

C G 0 4

Ø mm

0 0 6

006 012 020  
008 016 025

Stroke

0 0 1 0

0010 0075  
0020 0100  
0030 0125  
0040 0150  
0050

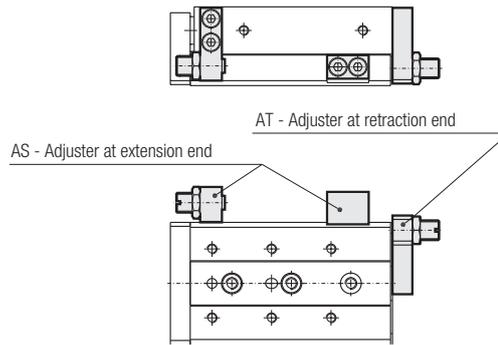
Intermediate or higher strokes are available upon request.

Cylinder stroke regulation

AS - Adjuster at extension end

AT - Adjuster at retraction end

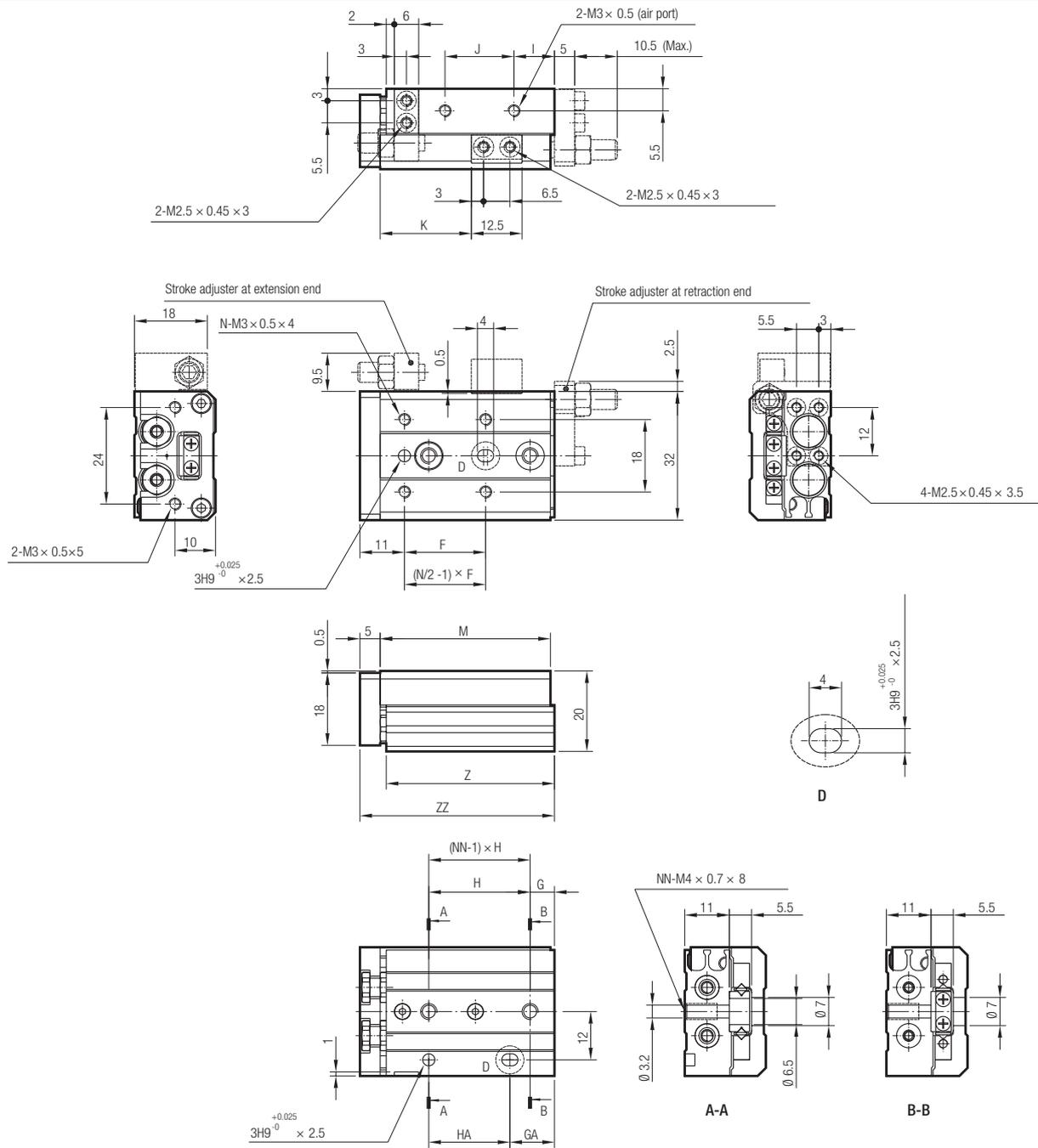
0 ÷ 5 mm



Operating pressure										
Cylinder Ø	Piston rod mm	Piston area mm <sup>2</sup>	Direction	Operating pressure						
				bar						
				2	3	4	5	6	7	
6	3	57	IN (N)	11	17	23	29	34	40	
		42	OUT (N)	8	13	17	21	25	29	
8	4	101	IN (N)	20	30	40	51	61	71	
		75	OUT (N)	15	23	30	38	45	53	
12	6	226	IN (N)	45	68	90	113	136	158	
		170	OUT (N)	34	51	68	85	102	119	
16	8	402	IN (N)	80	121	161	201	241	281	
		302	OUT (N)	60	91	121	151	181	211	
20	10	628	IN (N)	126	188	251	314	377	400	
		471	OUT (N)	94	141	188	236	283	330	
25	12	982	IN (N)	196	295	393	491	589	687	
		756	OUT (N)	151	227	302	378	454	529	

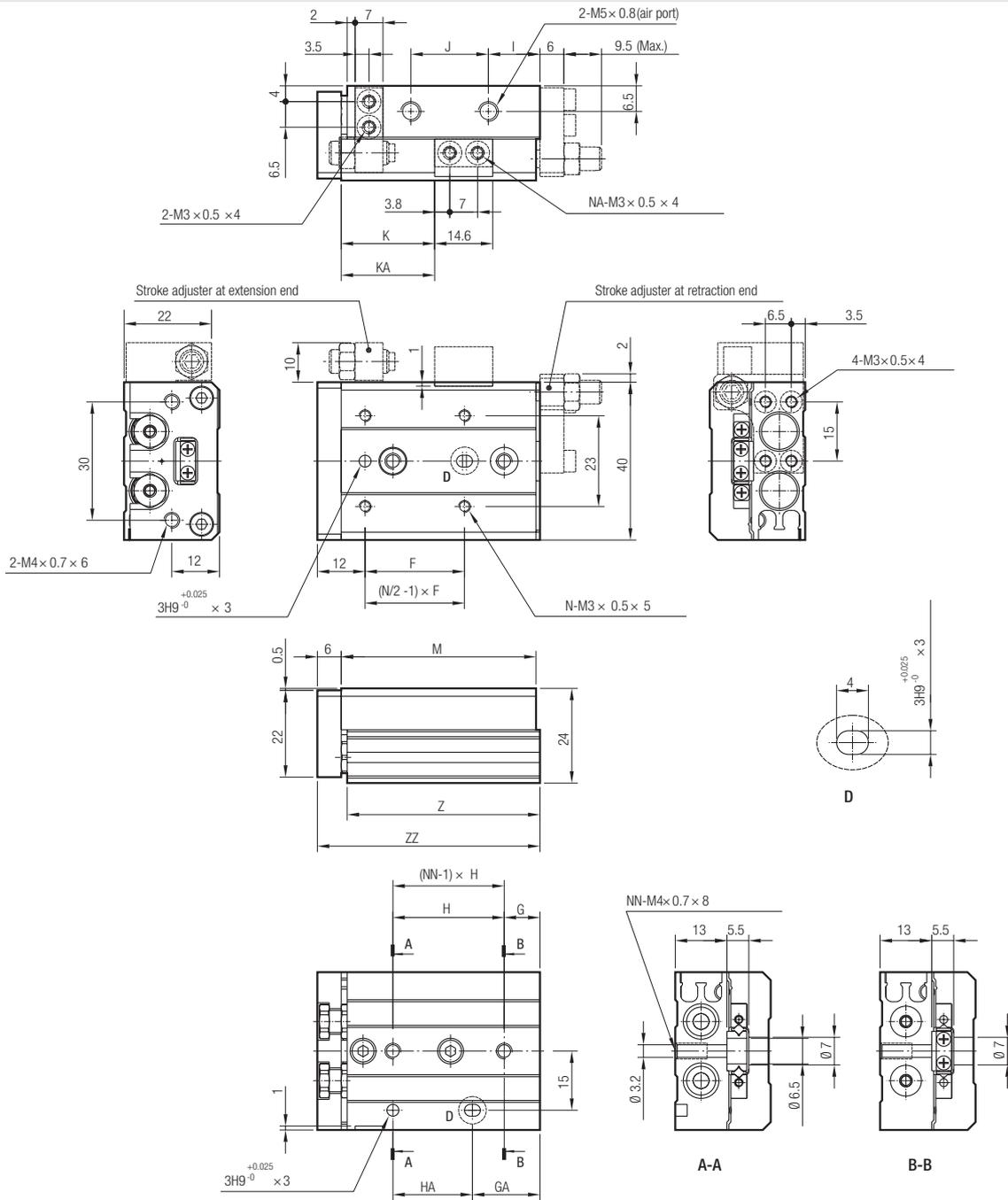
(Unit: N)

CG04 Ø 6



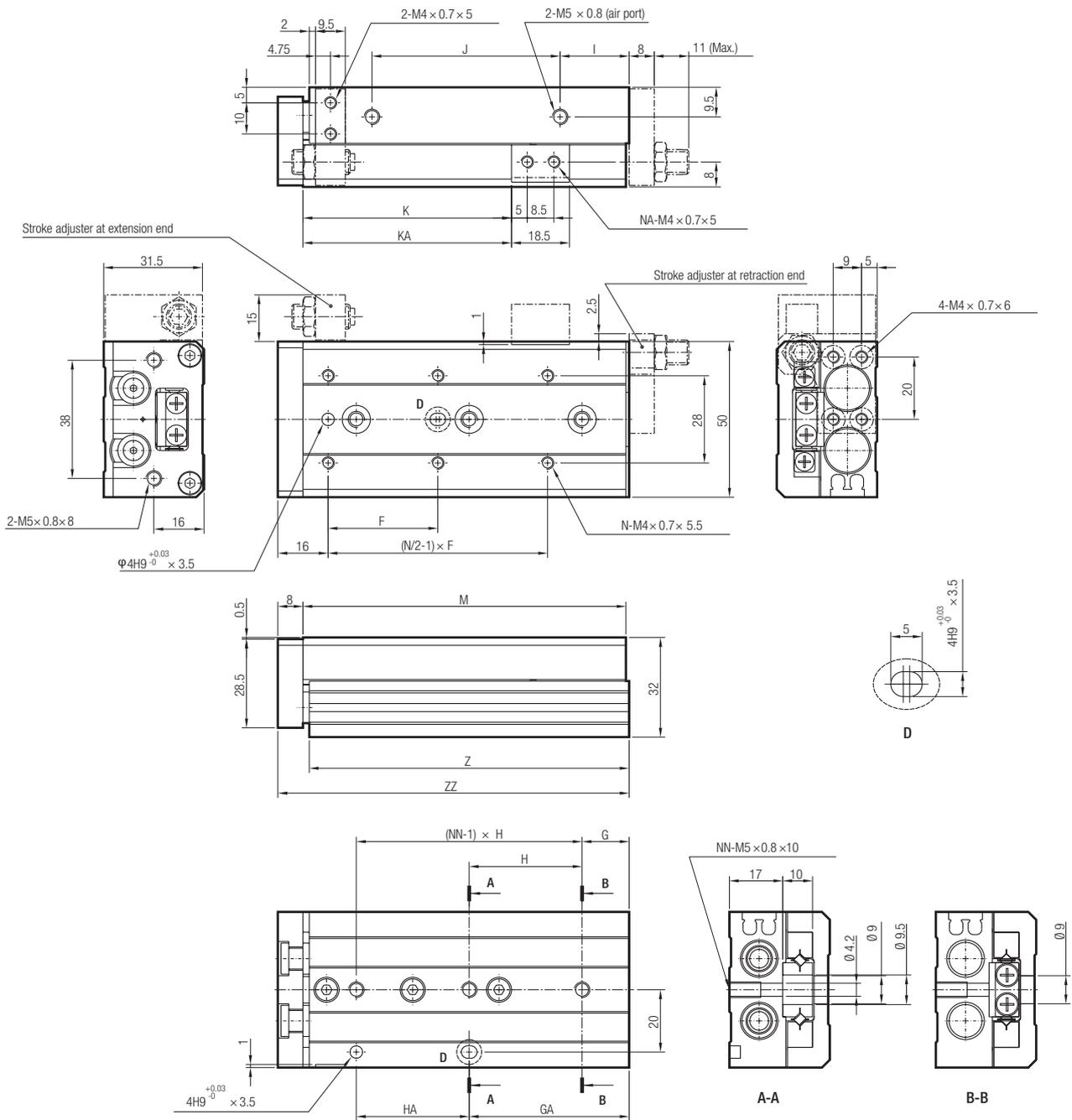
Stroke	F	G	GA	H	HA	I	J	K	M	N	NN	Z	ZZ
10	20	6	11	25	20	10	17	22,5	42	4	2	41,5	48
20	30	6	21	35	20	10	27	32,5	52	4	2	51,5	58
30	20	11	31	20	20	7	40	42,5	62	6	3	61,5	68
40	28	13	43	30	30	19	50	52,5	84	6	3	83,5	90
50	38	17	41	24	48	25	60	62,5	100	6	4	99,5	106

CG04 Ø 8



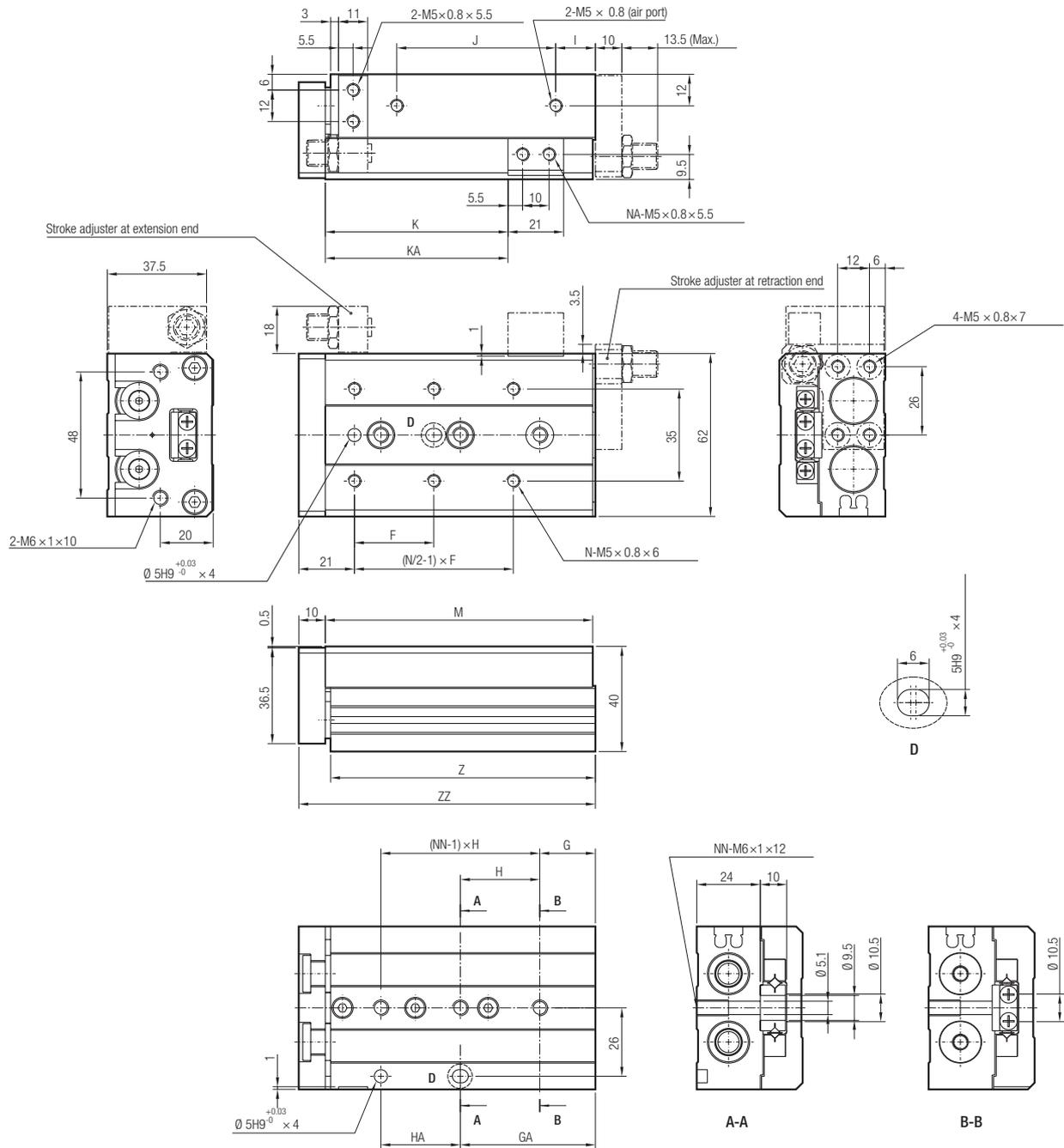
Stroke	F	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	25	9	17	28	20	13	19,5	23,5	-	49	4	2	2	48,5	56
20	25	12	12	30	30	8,5	29	33,5	-	54	4	2	2	53,5	61
30	40	13	33	20	20	9,5	39	43,5	-	65	4	2	3	64,5	72
40	50	15	43	28	28	10,5	56	53,5	-	83	4	2	3	82,5	90
50	38	20	43	23	46	24,5	60	63,5	82,5	101	6	4	4	100,5	108
75	50	27	83	56	56	38,5	96	88,5	132,5	151	6	4	5	150,5	158

CG04 Ø 12



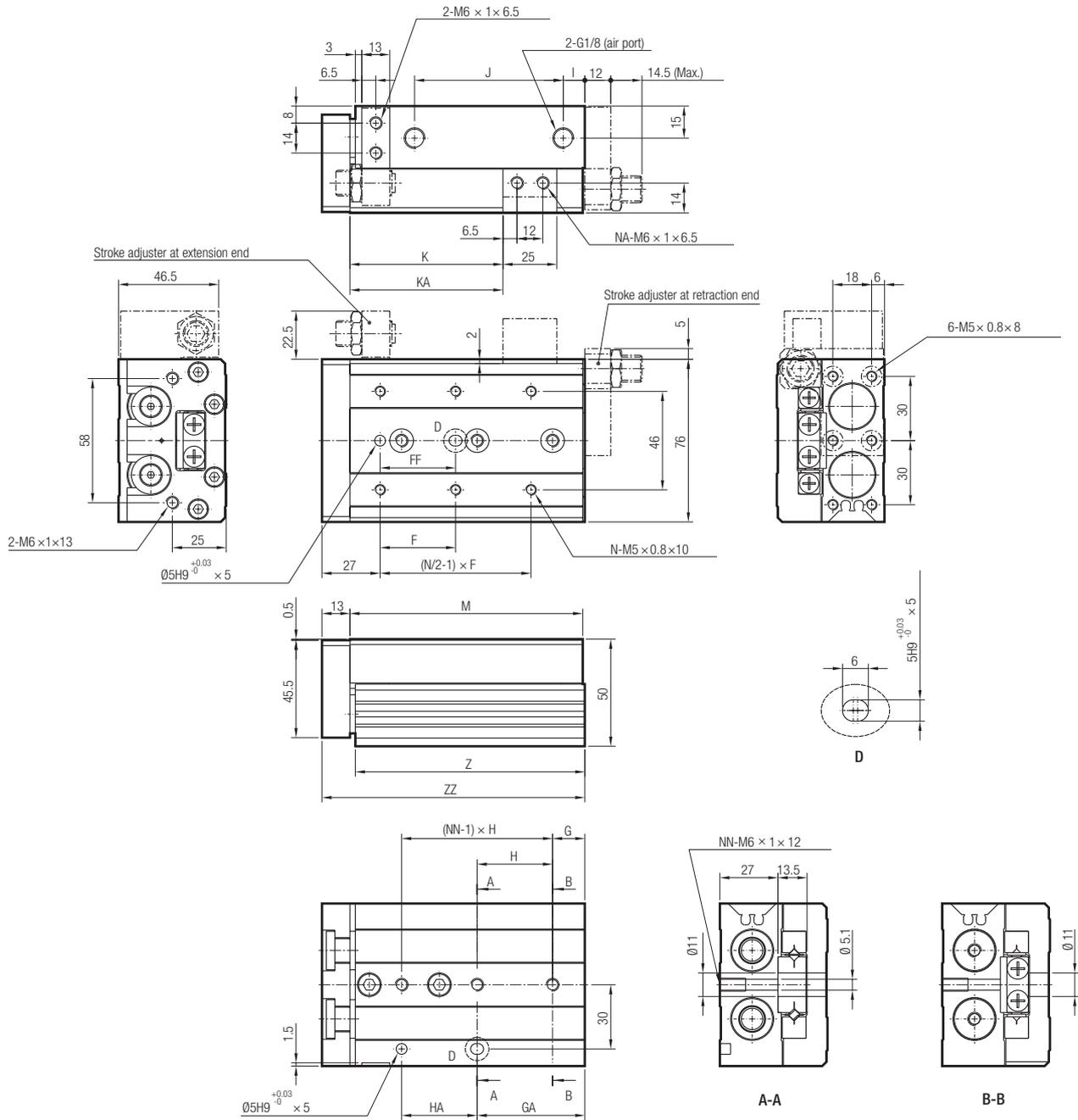
Stroke	F	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	35	15	15	40	40	10	40	26,5	-	71	4	2	2	70	80
20	35	15	15	40	40	10	40	36,5	-	71	4	2	2	70	80
30	35	15	15	40	40	10	40	46,5	-	71	4	2	2	70	80
40	50	17	42	25	25	10	52	56,5	-	83	4	2	3	82	92
50	35	15	51	36	36	22	60	66,5	-	103	6	2	3	102	112
75	55	25	61	36	72	43	85	91,5	125,5	149	6	4	4	148	158
100	65	35	111	38	76	52	130	116,5	116,5	203	6	4	5	202	212

CG04 Ø 16



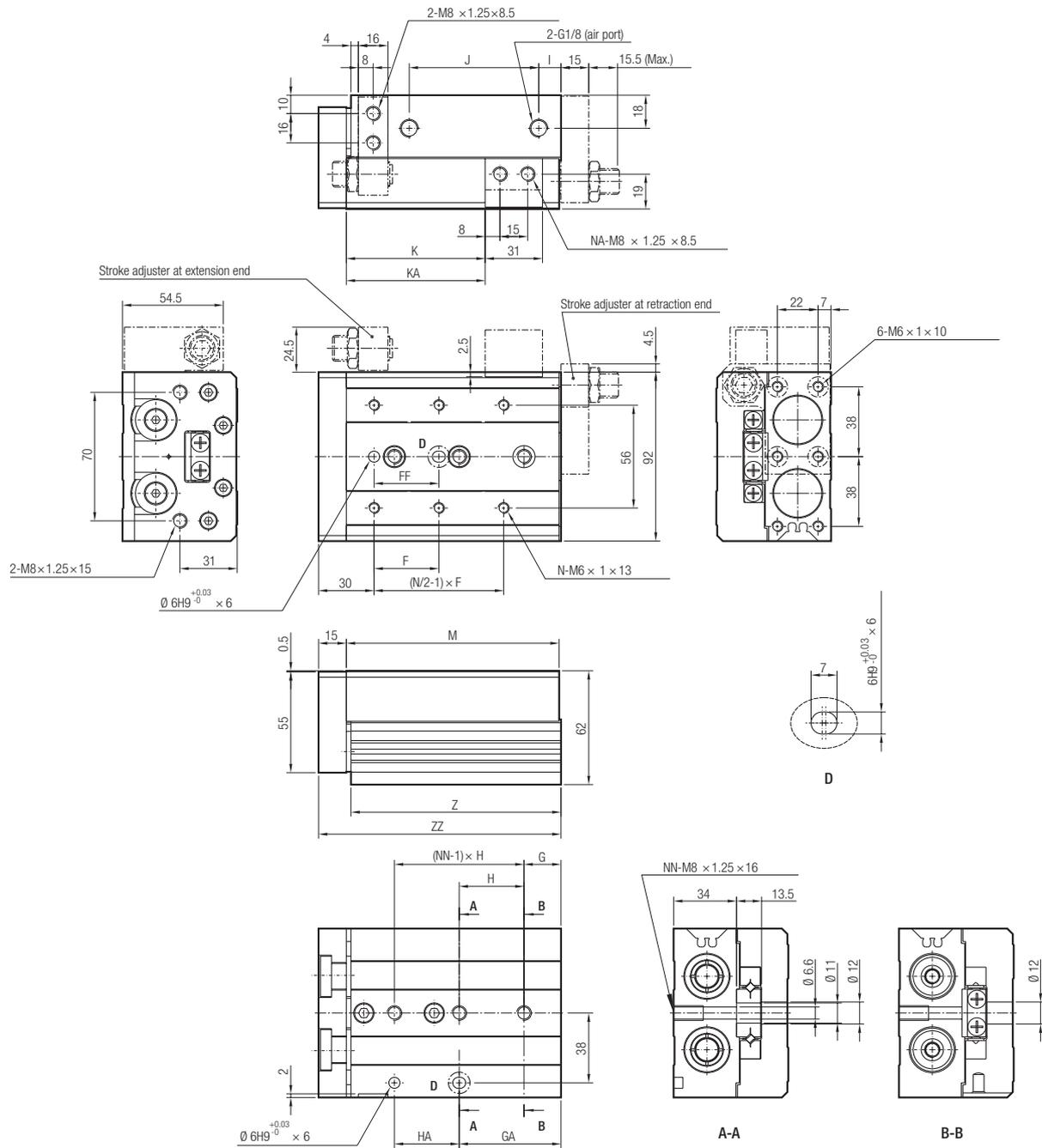
Stroke	F	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	35	16	16	40	40	10	40	29	-	76	4	2	2	75	87
20	35	16	16	40	40	10	40	39	-	76	4	2	2	75	87
30	35	16	16	40	40	10	40	49	-	76	4	2	2	75	87
40	40	16	16	50	50	10	50	59	-	86	4	2	2	85	97
50	30	21	51	30	30	15	60	69	-	101	6	2	3	100	112
75	55	26	61	35	70	40	85	94	125	151	6	4	4	150	162
100	65	39	109	35	70	55	118	119	173	199	6	4	5	198	210
125	70	19	159	35	70	68	155	144	223	249	8	4	7	248	260

CG04 Ø 20



Stroke	F	FF	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	50	40	15	25	45	35	10	44	31	-	83	4	2	2	81,5	97
20	50	40	15	25	45	35	10	44	41	-	83	4	2	2	81,5	97
30	50	40	15	25	45	35	10	44	51	-	83	4	2	2	81,5	97
40	60	50	15	35	55	35	10	54	61	-	93	4	2	2	91,5	107
50	35	35	15	50	35	35	10	69	71	-	108	6	2	3	106,5	122
75	60	60	19	54	35	70	10	108	96	-	147	6	2	4	145,5	161
100	70	70	37	107	35	70	58	113	121	169	200	6	4	5	198,5	214
125	70	70	41	155	38	76	70	155	146	223	254	8	4	6	252,5	268
150	80	80	19	195	44	88	87	190	171	275	306	8	4	7	304,5	320

CG04 Ø 25

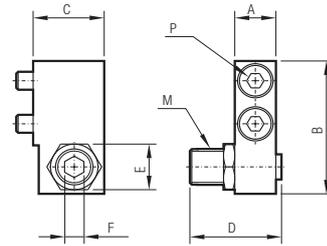


Stroke	F	FF	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	50	40	22	22	45	45	12	47	35	-	92	4	2	2	90,5	108
20	50	40	22	22	45	45	12	47	45	-	92	4	2	2	90,5	108
30	50	40	22	22	45	45	12	47	55	-	92	4	2	2	90,5	108
40	60	50	22	22	55	55	12	57	65	-	102	4	2	2	100,5	118
50	35	35	20	55	35	35	12	70	75	-	115	6	2	3	113,5	131
75	60	60	26	61	35	70	33	90	100	-	156	6	2	4	154,5	172
100	70	70	32	102	35	70	50	114	125	162	197	6	4	5	195,5	213
125	75	75	40	154	38	76	67	155	150	218	255	8	4	6	253,5	271
150	80	80	30	190	40	80	82	180	175	258	295	8	4	7	293,5	311

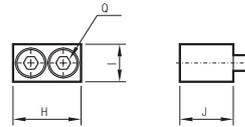
FIXING ELEMENTS AND ACCESSORIES - SERIES CG04

CG04 - STROKE ADJUSTER AT EXTENSION END

● Mounted on the body

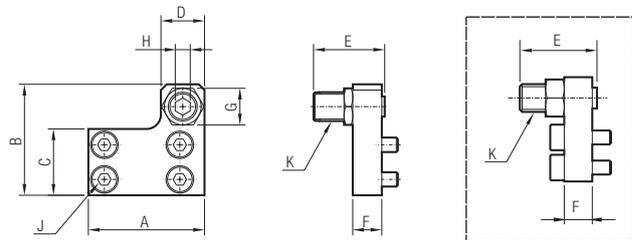


■ Mounted on the table



Code	Ø	Adjustable stroke range	●								■			
			A	B	C	D	E	F	M	P	H	I	J	Q
CG04 006 SX05	6	5	6	17,8	10,5	16,5	7	2,5	M5x0,8	M2,5x10	12,5	6	8,5	M2,5x8
CG04 008 SX05	8	5	7	21,5	11	16,5	8	3	M6x1	M3x10	14,6	7	10	M3x10
CG04 012 SX05	12	5	9,5	31	16	20	11	4	M8x1	M4x16	18,5	10	13	M4x12
CG04 016 SX05	16	5	11	37	19	24,5	14	5	M10x1	M5x16	21	12	16,5	M5x16
CG04 020 SX05	20	5	13	47	24	27,5	17	6	M12x1,25	M6x20	25	13	21	M6x20
CG04 025 SX05	25	5	16	53,5	26,5	32,5	19	6	M14x1,5	M8x25	31	17	25,5	M8x25

CG04 - STROKE ADJUSTER AT RETRACTION END

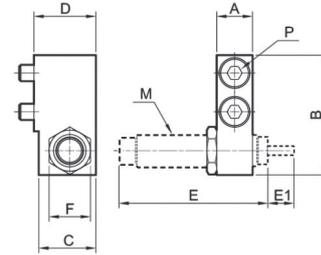


Code	Ø	Adjustable stroke range	A	B	C	D	E	F	G	H	J	K
CG04 006 DX05	6	5	21	19	10,5	8	16,5	5	7	2,5	M2,5x8	M5x0,8
CG04 008 DX05	8	5	25	22,5	12,5	9	16,5	6	8	3	M3x10	M6x1
CG04 012 DX05	12	5	32	31	18,5	13	20	8	12	4	M4x8	M8x1
CG04 016 DX05	16	5	40	38,5	23	15	24,5	10	14	5	M5x10	M10x1
CG04 020 DX05	20	5	50	48	29	21	27,5	12	17	6	M5x12	M12x1,25
CG04 025 DX05	25	5	60	58	35	23	32,5	15	19	6	M6x16	M14x1,5

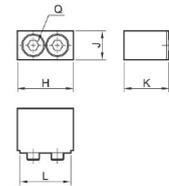
FIXING ELEMENTS AND ACCESSORIES - SERIES CG04

CG04 - STROKE ADJUSTER AT EXTENSION END FOR SHOCK ABSORBER

● Mounted on the body



■ Mounted on the table

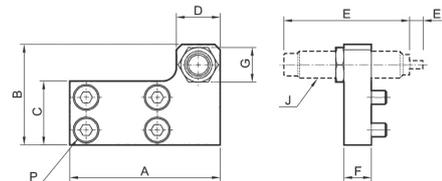


Code	Ø	Adjustable stroke range	●										■				
			A	B	C	D	E	E1	F	M	P*	H	J	K	L	Q*	
CG04 008 SXA1	8	5	7	23	14	15,5	40,6	6	11	M8x1	M3x16	16,6	7	15,5	14,6	M3x16	
CG04 012 SXA1	12	5	9,5	31	14,5	16	40,6	6	11	M8x1	M4x16	20,52	10	15	18,5	M4x12	
CG04 016 SXA1	16	5	11	37	17,5	19	47	7	13	M10x1	M5x16	23	12	18,5	21	M5x16	
CG04 020 SXA1	20	5	13	45,5	23,5	26	67	12	19	M14x1,5	M6x25	27	13	25,5	25	M6x25	
CG04 025 SXA1	25	5	16	53,5	23,5	26,5	67	12	19	M14x1,5	M8x25	33	17	25,5	31	M8x25	

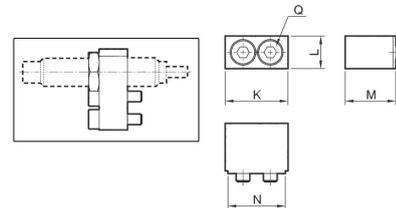
Size of hexagon socket head cap screws

CG04 - STROKE ADJUSTER AT RETRACTION END FOR SHOCK ABSORBER

● Mounted on the body



■ Mounted on the table



Code	Ø	Adjustable stroke range	●										■				
			A	B	C	D	E	E1	F	G	J	P*	K	L	M	N	Q*
CG04 008 DXA1	8	5	38	23	12,5	14	38,5	6	8	12	M8X1	M3X12	16,6	7	15,5	14,6	M3x16
CG04 012 DXA1	12	5	45	31	18	14	38,5	6	8	11	M8X1	M4X8	20,5	10	15	18,5	M4x12
CG04 016 DXA1	16	5	55	37	23,5	16	45,5	7	10	13	M10x1	M5X10	23	12	18,5	21	M5x16
CG04 020 DXA1	20	5	70	47	29	23	67	12	12	19	M14x1,5	M5X12	27	13	25,5	25	M6x25
CG04 025 DXA1	25	5	80	54	35	23	67	12	15	19	M14X1,5	M6X16	33	17	25,5	31	M8x25

Size of hexagon socket head cap screws