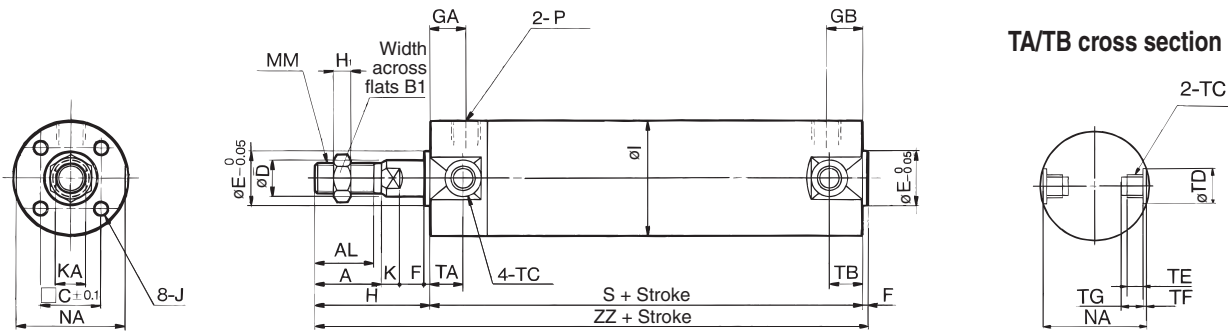


Series NCG/CG1

Basic Style with Rubber Bumper: NCGBN/CG1BN



CG1 TA/TB Sectional View

Bore size (mm)	TC	TD _{H9}	TE	TF	TG
20	M5 x 0.8	8 ^{+0.08} ₀	4	0.5	5.5
25	M6 x 0.75	10 ^{+0.08} ₀	5	1	6.5
32	M8 x 1.0	12 ^{+0.08} ₀	5.5	1	7.5
40	M10 x 1.25	14 ^{+0.08} ₀	6	1.25	8.5
50	M12 x 1.25	16 ^{+0.08} ₀	7.5	2	10
63	M14 x 1.5	18 ^{+0.08} ₀	11.5	3	14.5
80	—	—	—	—	—
100	—	—	—	—	—

NCG TA/TB Sectional View

Bore size (mm)	TC	TD _{H9}	TE	TF	TG
20	M5 x 0.8	0.315 ^{+0.003} ₀	0.16	0.02	0.22
25	M6 x 0.75	0.394 ^{+0.003} ₀	0.20	0.04	0.26
32	M8 x 1.0	0.472 ^{+0.003} ₀	0.22	0.04	0.30
40	M10 x 1.25	0.551 ^{+0.003} ₀	0.24	0.05	0.33
50	M12 x 1.25	0.630 ^{+0.003} ₀	0.30	0.08	0.39
63	M14 x 1.5	0.709 ^{+0.003} ₀	0.45	0.12	0.57

CG1 Basic style

Bore size (mm)	Standard stroke range (mm)	Long stroke range (mm)	A	AL	B ₁	C	D	E	F	GA	GB	H	H ₁	I	J	K	KA	MM	NA	P	S	TA	TB	ZZ
20	Up to 200	201 to 350	18	15.5	13	14	8	12	2	12	10(12)	35	5	26	M4 x 0.7 depth 7	5	6	M8 x 1.25	24	Rc 1/8	69(77)	11	11	106(114)
25	Up to 300	301 to 400	22	19.5	17	16.5	10	14	2	12	10(12)	40	6	31	M5 x 0.8 depth 7.5	5.5	8	M10 x 1.25	29	Rc 1/8	69(77)	11	11	111(119)
32	Up to 300	301 to 450	22	19.5	17	20	12	18	2	12	10(12)	40	6	38	M5 x 0.8 depth 8	5.5	10	M10 x 1.25	35.5	Rc 1/8	71(79)	11	10(11)	113(121)
40	Up to 300	301 to 800	30	27	19	26	16	25	2	13	10(13)	50	8	47	M6 x 1 depth 12	6	14	M14 x 1.5	44	Rc 1/8	78(87)	12	10(12)	130(139)
50	Up to 300	301 to 1200	35	32	27	32	20	30	2	14	12(14)	58	11	58	M8 x 1.25 depth 16	7	18	M18 x 1.5	55	Rc 1/4	90(102)	13	12(13)	150(162)
63	Up to 300	301 to 1200	35	32	27	38	20	32	2	14	12(14)	58	11	72	M10 x 1.5 depth 16	7	18	M18 x 1.5	69	Rc 1/4	90(102)	13	12(13)	150(162)
80	Up to 300	301 to 1400	40	37	32	50	25	40	3	20	16(20)	71	13	89	M10 x 1.5 depth 22	10	22	M22 x 1.5	80	Rc 3/8	108(122)	—	—	182(196)
100	Up to 300	301 to 1500	40	37	41	60	30	50	3	20	16(20)	71	16	110	M12 x 1.75 depth 22	10	26	M26 x 1.5	100	Rc 1/2	108(122)	—	—	182(196)

Note) (): Denotes the dimensions for long stroke.

* Trunnion mounting taps with width across flats NA are not attached for bore size ø80 and ø100.

NCG Basic style

Bore size (mm)	Standard stroke range (inch)	Long stroke range (inch)	A	AL	B ₁	C ±0.004	D	E ⁺⁰ _{-0.002}	F	GA	GB	H	H ₁	I
20	Up to 8	8.01 to 14	0.50	0.55	0.44	0.55	0.315	0.472	0.08	0.47	0.39 (0.47)	1.00	0.16	1.02
25	Up to 12	12.01 to 16	0.50	0.55	0.50	0.65	0.394	0.551	0.08	0.47	0.39 (0.47)	1.12	0.19	1.22
32	Up to 12	12.01 to 18	0.75	0.83	0.69	0.79	0.472	0.709	0.08	0.47	0.39 (0.47)	1.63	0.26	1.50
40	Up to 12	12.01 to 32	0.75	—	0.69	1.02	0.630	0.984	0.08	0.51	0.39 (0.51)	1.63	0.26	1.85
50	Up to 12	12.01 to 48	0.88	—	0.75	1.26	0.787	1.181	0.08	0.55	0.47 (0.55)	2.07	0.32	2.28
63	Up to 12	12.01 to 48	0.88	—	0.75	1.50	0.787	1.260	0.08	0.55	0.47 (0.55)	2.07	0.32	2.83

Bore size (mm)	J	K	KA	MM	NA	P (NPT)	S	TA	TB	ZZ
20	#8-32UNC depth 0.28	0.16	0.24	1/4-28UNF	0.94	1/8	2.72 (3.03)	0.43	0.43	3.80 (4.11)
25	#10-32UNC depth 0.30	0.20	0.31	5/16-24UNF	1.14	1/8	2.72 (3.03)	0.43	0.43	3.92 (4.23)
32	#10-32UNC depth 0.30	0.22	0.39	7/16-20UNF	1.40	1/8	2.80 (3.11)	0.43	0.39 (0.43)	4.51 (4.82)
40	1/4-28UNF depth 0.47	0.30	0.55	7/16-20UNF	1.73	1/8	3.07 (3.38)	0.47	0.39 (0.47)	4.78 (5.13)
50	5/16-24UNF depth 0.63	0.30	0.71	1/2-20UNF	2.17	1/4	3.54 (3.85)	0.51	0.47 (0.51)	5.69 (6.16)
63	3/8-24UNF depth 0.63	0.30	0.71	1/2-20UNF	2.72	1/4	3.54 (3.85)	0.51	0.47 (0.51)	5.69 (6.16)

Note) (): Denotes the dimensions for long stroke.

Refer to Model Selection Charts in Best Pneumatics for acceptable loading for long stroke cylinders.