NCY1L Series
Magnetically Coupled Rodless Cylinder

Specifications

Bore size(mm)	6	10	15	20	25	32	40
Fluid	Air (to be filtered by 40μm filter element)						
Action	Double acting						
Maximum operating pressure	0.7MPa						
Minimum operating pressure	0.18MPa						
Ambient and fluid temperature	-10~60℃ (No freezing)						
Piston speed (mm/s)	50~1000						
Cushion	Both ends rubber buffer / hydraulic buffer (optional)						
Stroke length tolerance (mm)	$0\sim250^{+1.0}_{0}$, $251\sim1000^{+1.4}_{0}$, $1001\sim^{+1.8}_{0}$						
Lubrication Note)	Not required (Non-lube)						
Port size	M8×0.8			1/8"			1/4"
Installation posture	Unlimited						

Note: If lubrication is required, please use turbine No.1 oil ISO VG32.

Ordering code

N C Y1 L — 25 — H — 300 — □ — A73 — □

Slider type

L	Ball bushing bearing

Bore size

6	6mm
10	10mm
15	15mm
20	20mm
25	25mm
32	32mm
40	40mm

magnet retention force type

H	High retention
L	Low retention

Stroke
(See table below)

Adjustment form

Blank	With two adjusting screw
B	With two hydraulic buffers
BS	With one hydraulic buffers

* Basic type without adjustment form

Magnetic switch

Blank	without magnetic switch

* Refer to the table below for the type of magnetic switch.

Number of magnetic switches

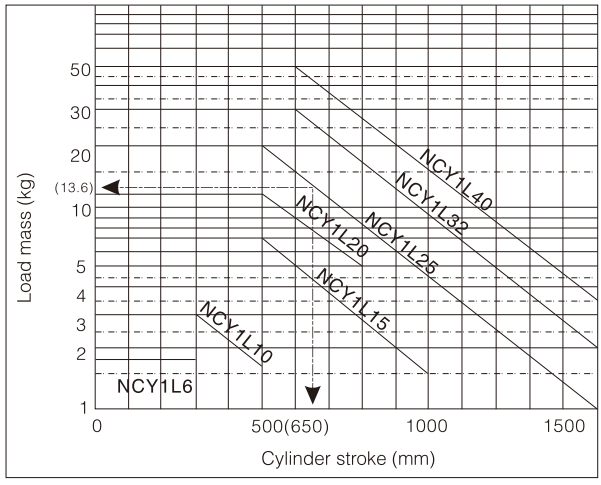
Blank	2 pcs.
S	1 pc.
n	"n" pcs.

Stroke/magnetic switch model table

Bore size (mm)	Standard stroke Note 1)	Max. stroke	Magnetic switch model (Track Installation) Note 2)
6	50, 100, 150, 200	300	A73
10	50, 100, 150, 200, 250, 300	500	
15	50, 100, 150, 200, 250, 300, 350, 400, 450, 500	750	
20	50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800	1000	
25		1500	
32			
40	50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900,1000		

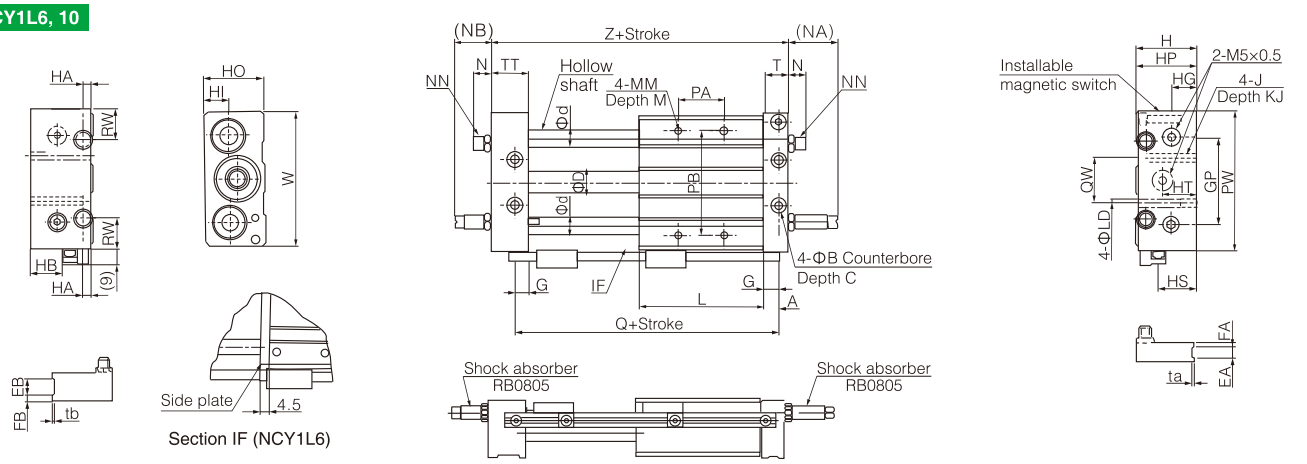
Note: 1. There are non-standard stroke to choose from.
2. The specifications and characteristics of magnetic switches can be referred to the series of magnetic switches.
Wire length representation mark: no mark-0.5m, L-3m, Z-5m,
Example: A73, A73L.

Maximum load and stroke (NCY1L)



Dimensions

NCY1L6, 10

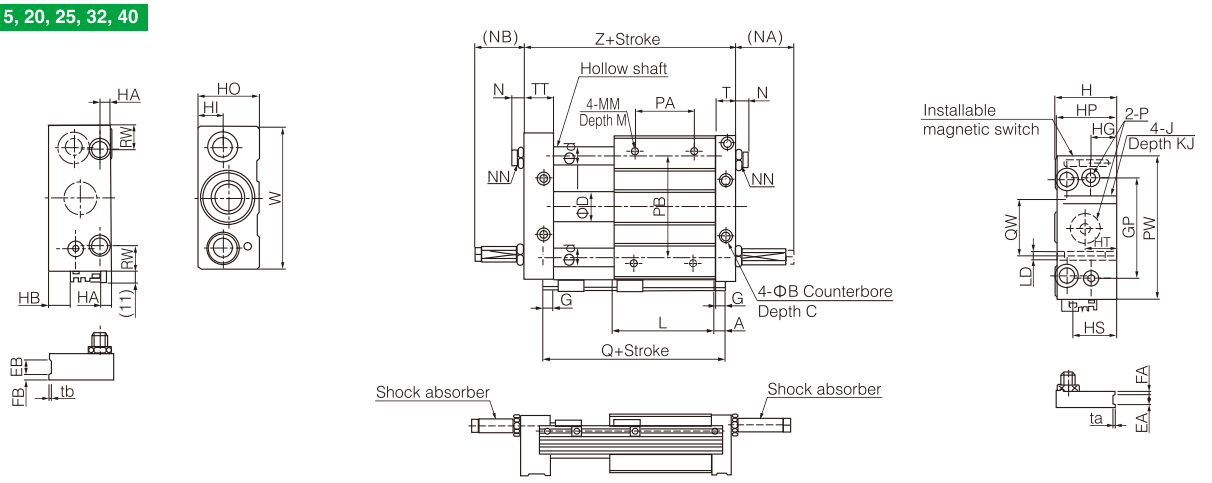


Model	Stroke range	A	B	C	D	d	EA	EB	EA	FB	G	GP	H	HA	HB	HG	HI	HO	HP	HS	HT
NCY1L6	~300	7	6.5	3	7.6	8	-	-	-	-	6	36	27	6	10	11	9	25	26	14	16
NCY1L10	~500	8.5	8	4	12	10	6	12	3	5	7.5	50	34	6	17.5	14.5	13.5	33	33	21.5	18

Model	J	JK	L	LD	M	MM	N	(NA)	(NB)	NN	*PA	PB	PW	Q	QW	RW	T	TT	ta	tb	W	Z
NCY1L6	M4×0.7	6.5	40	3.5	6	M4×0.7	10	30	24	M8×1.0	24	40	60	54	20	12	10	16	-	-	56	68
NCY1L10	M5×0.8	9.5	68	4.3	8	M4×0.7	9.5	27	19	M8×1.0	30	60	80	85	26	17.5	12.5	20.5	0.5	1.0	77	103

* The size center of PA is the same as that of L.

NCY1L15, 20, 25, 32, 40



Model	Stroke range	A	B	C	D	d	EA	EB	FA	FB	G	GP	H	HA	HB	HG	HI	HO	HP	HS	HT	J	JK	L	LD
NCY1L15	~750	7.5	9.5	5	16.6	12	6	13	3	6	6.5	65	40	6.5	4	16	14	38	39	25	16	M6×1.0	9.5	75	5.6
NCY1L20	~ 1500	9.5	9.5	5.2	21.6	16	-	-	-	-	8.5	80	46	9	10	18	16	44	45	31	20	M6×1.0	10	86	5.6
NCY1L25	~1500	9.5	11	6.5	26.4	16	8	14	4	7	8.5	90	54	9	18	23	21	52	53	39	20	M8×1.25	10	86	7
NCY1L32	~1500	10.5	14	8	33.6	20	8	16	5	7	9.5	110	66	12	26.5	26.5	24.5	64	64	47.5	25	M10×1.5	15	100	9.2
NCY1L40	~1500	11.5	14	8	41.6	25	10	20	5	10	10.5	130	78	12	35	30.5	28.5	76	74	56	30	M10×1.5	15	136	9.2

Model	M	MM	(N)	(NA)	(NB)	NN	P	*PA	PB	PW	Q	QW	RW	T	Ta	Tb	TT	W	Z	Shock absorber
NCY1L15	8	M5×0.8	7.5	27	17	M8×1.0	M5×0.8	45	70	95	90	30	15	12.5	0.5	1.0	22.5	92	112	RB0805
NCY1L20	10	M6×1.0	10	29	20	M10×1.0	Rc(PT)1/8	50	90	120	105	40	28	16.5	-	-	25.5	117	130	RB1006
NCY1L25	10	M6×1.0	11	49	40	M14×1.5	Rc(PT)1/8	60	100	130	105	50	22	16.5	0.5	1.0	25.5	127	130	RB1411
NCY1L32	12	M8×1.25	11.5	52	42	M20×1.5	Rc(PT)1/8	70	120	160	121	60	33	18.5	0.5	1.0	28.5	157	149	RB2015
NCY1L40	12	M8×1.25	10.5	51	36	M20×1.5	Rc(PT)1/8	90	140	190	159	84	35	20.5	1.0	1.0	35.5	187	194	RB2015

* The size center of PA is the same as that of L.