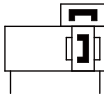




Symbol

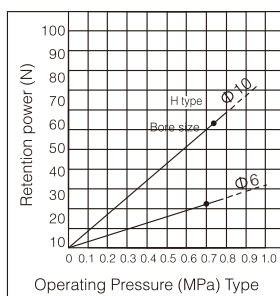


Ordering code

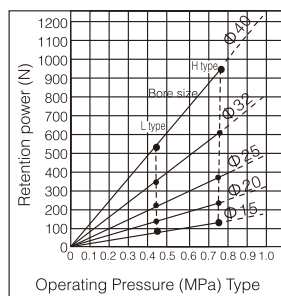
N	C	D	Y1	S	25	H	-	300	-	A73	S
Switch rail		Stroke		Magnet retention force categories		Magnetic switch type		Number of magnetic switches		Adjustment Form	
Blank		Without switch rail		H		Blank		2 pcs.		Blank	
D		With switch rail		L		Without magnetic switch		1 pc.		B	
S		Slider type (sliding bearing)		* Bore size Φ6, Φ10 No L Type		* Magnetic switch type refer stroke/Magnetic switch model table		* The basic type does not have this item.		BS	
Bore size		Adjustment Form		* Basic type without adjustment form							
6		Blank		With two adjusting screw							
10		Blank		With two hydraulic buffers							
15		Blank		With one hydraulic buffers							
20		Blank									
25		Blank									
32		Blank									
40		Blank									

Cylinder theoretical output force and magnetic couple retention force

Φ6, Φ10



Φ15, Φ20, Φ25, Φ32, Φ40



Bore size (mm)	Model	Retention power H type(N)	Pressure corresponding to magnetic couple holding force (Mpa)	Maximum operating pressure during stopping (Mpa)
6	NCY1□6H	19.6	0.7	0.55
10	NCY1□10H	53.9	0.7	0.55
15	NCY1□15H	137.3	0.79	0.65
20	NCY1□20H	231	0.76	0.65
25	NCY1□25H	362.8	0.75	0.65
32	NCY1□32H	588.4	0.74	0.65
40	NCY1□40H	921.8	0.75	0.65

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)	50~400						
Cushion Note 1)	Rubber bumper						
Stroke length tolerance (mm)	0~250 ^{+1.0} ₀ , 251~1000 ^{+1.4} ₀ , 1001~ ^{+1.8} ₀						
Lubrication Note 2)	Not required (Non-lube)						
Port size	M5×0.8			1/8"		1/4"	
Installation posture	Unlimited						

Note: 1. Hydraulic Buffer Optional (Slide-only-NCY1S) ;
2. If lubrication is required, please use turbine No. 1 oil ISO VG32.

Stroke/magnetic switch model table

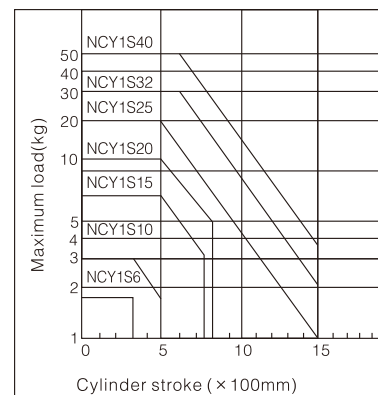
Bore size (mm)	Standard stroke ^{Note 1)}	Max. stroke		Magnetic switch model ^{Note 2)} (Track installation, slide type only)
		Basic type	Slider type	
6	50,100,150,200	300	300	A73
10	50,100,150,200,250,300	500	500	
15	50,100,150,200,250,300, 350,400,450,500	-	750	
20		-	1000	
25	100,150,200,250,300,350	-	1500	
32	400,450,500,600,700,800	-		
40	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 (NCY1S)

If the load and the center of gravity of the slider are at the same point, the force-stroke relationship curve is as follows.

Use cylinder, as close as possible to the center of gravity of the load and slider, if not possible, please contact our company.

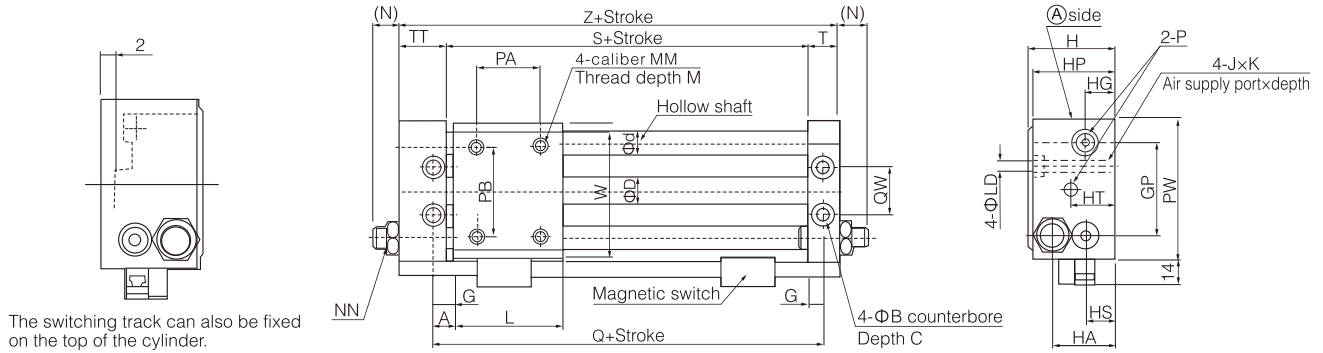


Cylinder

SC
SC(Big)
SCT
SCF
SU
SUF
SI
SIF
DNC
QGB
QGBZ
NCQ2
NCQ2(Big)
NCQ2(Long)
NCQS
NCQM
NRQ
SDA
ADVU
ACE(AND)
MAL
MA
MI
NCM2
NCJ2
NCG1
NCJP
TD
TN(TDA)
NCXS
NCXSW
NMGP
NMGG
NCU
NCUJ
NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMHZ2
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
NMHS2
NMHS3
NMHS4
NMRHQ
NMSQ
NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1

Dimensions

Basic type(NC□Y1S6 · 10)

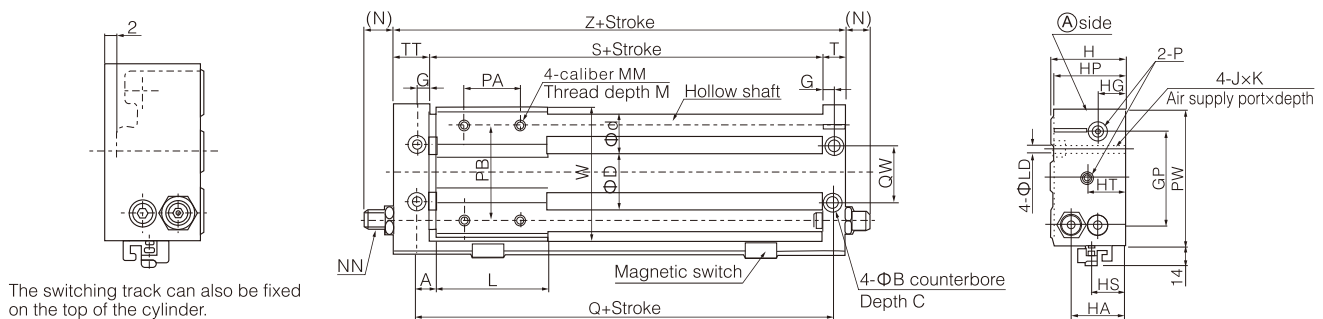


Model	Stroke range	ΦD	Φd	A	ΦB	C	HT	G	GP	H	HA	HG	HP	HS	T	J×K	L	LD	M
NCY1S6 NCDY1S6	~300	7.6	8	6	6.5	3	17	5	32	27	19	8	26	8	10	M4×0.7×6.5	40	3.5	6
NCY1S10 NCDY1S10	~300	12	10	7.5	8	4	18	6.5	40	34	25.5	12	33	14	12.5	M5×0.8×9.5	45	4.3	6

Model	MM	NN	(N)	P	*PA	PB	PW	QW	Q	S	TT	Z	W
NCY1S6 NCDY1S6	M4×0.7	M8×1.0	10	M5×0.8	25	25	50	16	52	42	16	68	46
NCY1S10 NCDY1S10	M4×0.7	M8×1.0	9.5	M5×0.8	25	38	60	24	60	47	20.5	80	58

Note: The magnetic switch can also be installed on side(A).
* The size center of PA is the same as that of L.

NC□Y1S15 · 20 · 25 · 32 · 40



Model	Stroke range	ΦD	Φd	A	ΦB	C	HT	G	GP	H	HA	HG	HP	HS	T	J×K	L	LD	M
NC□Y1S15	~750	16.6	12	7.5	9.5	5	21	6.5	52	40	29	13	39	15	12.5	M6×1.0×9.5	60	5.6	8
NC□Y1S20	~1500	21.6	16	10	9.5	5.2	20	8.5	62	46	36	17	45	25.5	16.5	M6×1.0×9.5	70	5.6	10
NC□Y1S25	~1500	26.4	16	10	11	6.5	20	8.5	70	54	40	20	53	53	16.5	M8×1.25×10	70	7	10
NC□Y1S32	~1500	33.6	20	12.5	14	8	24	9.5	86	66	46	24	64	27	18.5	M10×1.5×15	85	8.7	12
NC□Y1S40	~1500	41.6	25	12.5	14	8	25	10.5	104	76	57	25	74	30	20.5	M10×1.5×15	95	8.7	12

Model	MM	NN	(N)	P	*PA	PB	PW	QW	Q	S	TT	Z	W
NC□Y1S15	M5×0.8	M8×1.0	7.5	M5×0.8	30	50	75	30	75	62	22.5	97	72
NC□Y1S20	M6×1.0	M10×1.0	9.5	1/8"	40	70	90	38	90	73	25.5	115	87
NC□Y1S25	M6×1.0	M14×1.5	11	1/8"	40	70	100	42	90	73	25.5	115	97
NC□Y1S32	M8×1.25	M20×1.5	11.5	1/8"	40	75	122	50	110	91	28.5	138	119
NC□Y1S40	M8×1.25	M20×1.5	10.5	1/8"	65	105	145	64	120	99	35.5	155	142

Note: The magnetic switch can also be installed on side(A).
* The size center of PA is the same as that of L.