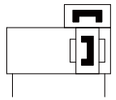
IS09001 CE
VPC PNEUMATIC®

CY1S Series Magnetically Coupled Rodless Cylinder (Slide Bearing)







Rubber bumper
(Magnet type)

Ordering Code

CY1S Series Magnetically Coupled Rodless Cylinder-Slide Bearing

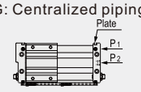
CY1S □ 25 □ – 300 □

Slider type
S: Slider bearing type

Piping
Nil: Bilateral piping type



G: Centralized piping type



* For centralized piping,the port will be placed on the plate A side.

Bore

Port thread

Symbol	Type	Bore size (mm)
Nil	Male	6, 10, 15
	Rc	20, 25, 32, 40
TN	NPT	
TF	G	

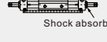
Standard storke

Stopper

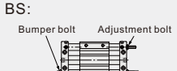
Nil:



B:



BS:



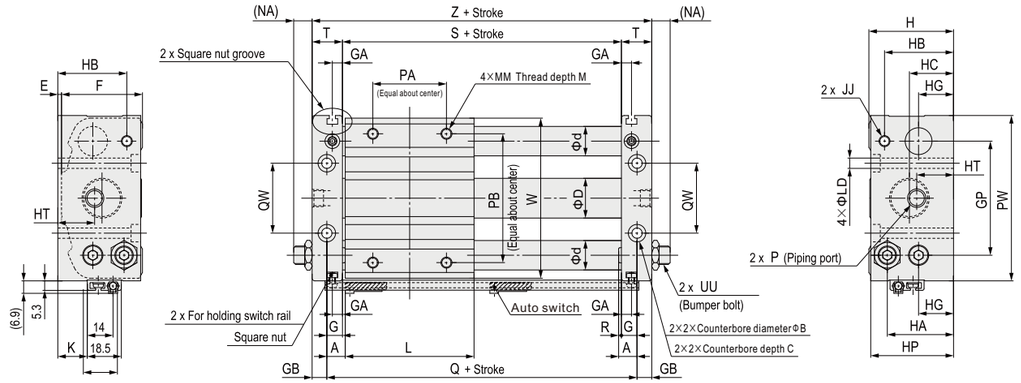
*Same as the opposite side

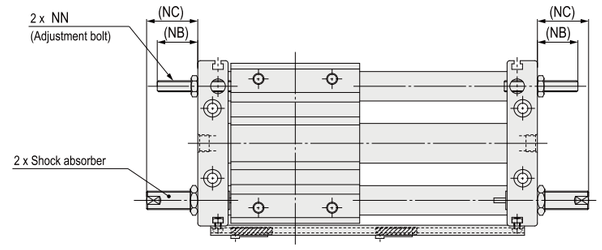
Specifications

Bore(mm)	6	10	15	20	25	32	40
Working medium	Air						
Proof pressure	1.05MPa						
Max.working pressure	0.7MPa						
Min.working pressure	0.18MPa						
Working temperature	-10 to 60℃ (No freezing)						
Piston speed	50 to 400 mm/s						
Cushion	Rubber bumper/Shock absorber						
Lubrication	Non-lube						
Stroke length tolerance (mm)	0 to 250 st: $^{+1.0}_{0}$, 251 to 1000 st: $^{+1.4}_{0}$, 1001 st or longer: $^{+1.8}_{0}$						
Magnetic holding force	19.6N	53.9N	137N	231N	363N	588N	922N

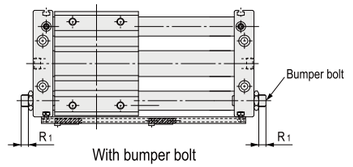
* In the case of setting an auto switch at the intermediate position,the maximum piston speed is subject to restrict for detection upon the response time of a load (relays, sequence controller, etc.)

Main Dimensions CY1S/Bilateral piping type

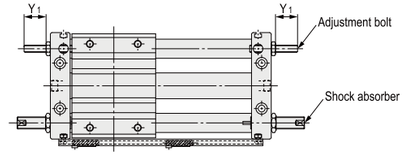




Amount of stroke adjustment



With bumper bolt



With shock absorber

(mm)

Model	A	B	C	D	d	E	F	G	GA	GB	GP	H	HA	HB	HC	HG	HP	HT	JJ	K	L	LD	M	MM	NA	NB	NC
CY1S6-Z	6	6.5	3.3	7.6	8	2	25	5	5	5	30	27	20.5	20.5	15.5	8	26	15.5	M4×0.7	3	40	3.5	6	M4×0.7	11	14	19
CY1S10-Z	7.5	8	4.4	12	10	2.5	31.5	6.5	5	6	40	34	25	27	17	13.5	33	17	M4×0.7	6	45	4.6	6	M4×0.7	10.5	16.5	28
CY1S15-Z	7.5	9.5	5.4	16.6	12	2	38	6.5	5	6	52	40	28	29.5	20.5	15	39	20.5	M4×0.7	11	60	5.8	8	M5×0.8	10.5	16.5	28
CY1S20-Z	10	9.5	5.4	21.6	16	2	44	8.5	5.5	8	62	46	36	37.5	24	19	45	20	M6×1	16	70	5.8	10	M6×1	10.5	22	28
CY1S25-Z	10	11	6.5	26.4	16	2	52	8.5	5.5	8	70	54	40.5	40.5	27.5	21.5	53	21	M6×1	20	70	7	10	M6×1	12.5	22	49
CY1S32-Z	12.5	14	8.6	33.6	20	2	64	9.5	5.5	9	86	66	50	50	33	26	64	24	M8×1.25	26	85	9	12	M8×1.25	11.5	23.5	52
CY1S40-Z	12.5	14	8.6	41.6	25	2	74	10.5	5.5	10	104	76	55.5	55.5	38	27	74	27	M8×1.25	28	95	9	12	M8×1.25	10.5	22.5	51

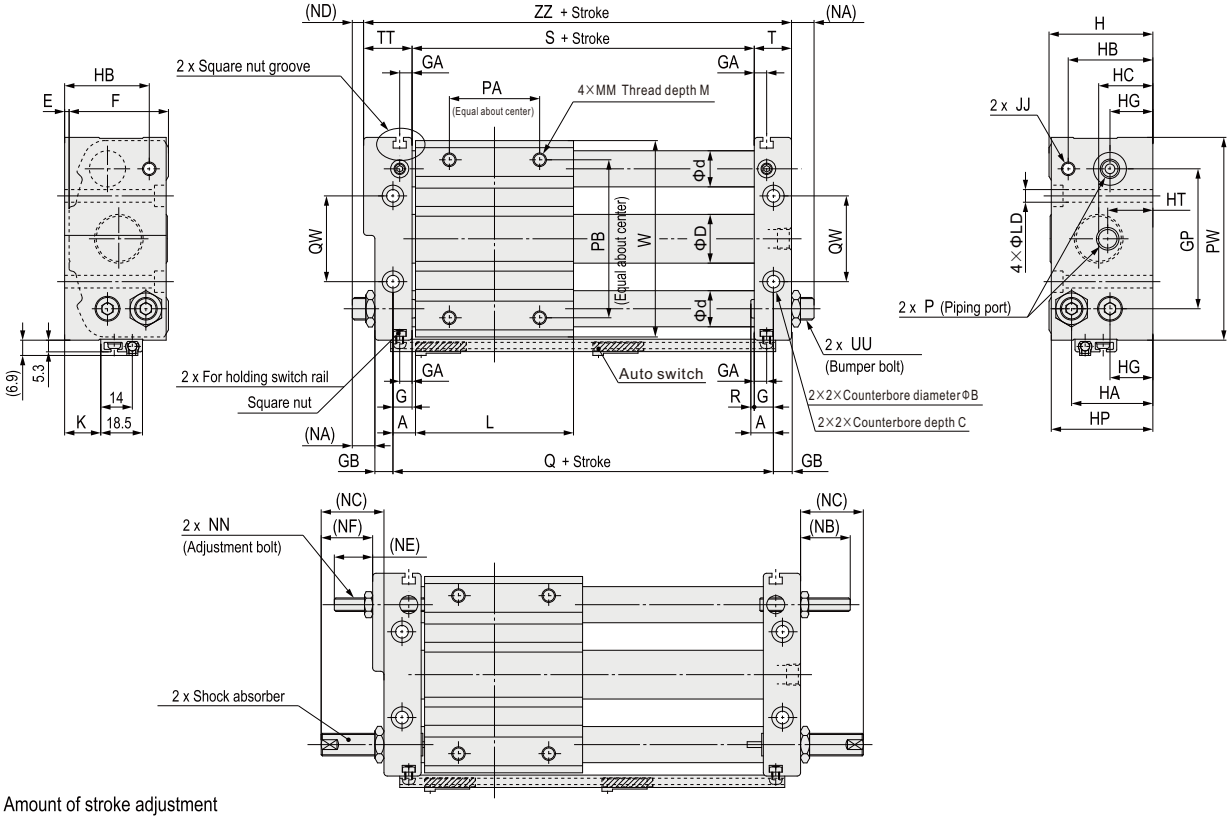
(mm)

Model	NN	P			PA	PB	PW	Q	QW	R	R1	Bumper bolt adjustable range (Both sides:R1×2)	S	T	UU	W	Y1	Adjustment bolt adjustable range (Both sides:Y1×2)	Z	Shock absorber
		Nil	TN	TF																
CY1S6-Z	M4×0.7	M3×0.5	–	–	25	25	49	52	16	1	7.5	15	42	10	M6×0.75	46	11.5	23	62	RJ0604N
CY1S10-Z	M4×0.7	M5×0.8	–	–	25	38	61	60	24	1	5.5	11	47	12.5	M8×1	58	14	28	72	RJ0806HN
CY1S15-Z	M4×0.7	M5×0.8	–	–	30	50	76	75	30	1	5.5	11	62	12.5	M8×1	73	14	28	87	RJ0806LN
CY1S20-Z	M6×1	Rc1/8	NPT1/8	G1/8	40	70	90	90	38	1.5	4.5	9	73	16.5	M10×1	87	18.5	37	106	RJ1007LN
CY1S25-Z	M6×1	Rc1/8	NPT1/8	G1/8	40	70	99	90	42	1.5	4.5	9	73	16.5	M14×1.5	96	18.5	37	106	RJ1412LN
CY1S32-Z	M8×1.25	Rc1/4	NPT1/8	G1/8	40	75	119	110	50	3	5.5	11	91	18.5	M20×1.5	116	18.5	37	128	RJ2015HN
CY1S40-Z	M8×1.25	Rc1/4	NPT1/4	G1/4	65	105	142	120	64	2	4.5	9	99	20.5	M20×1.5	139	17.5	35	140	RJ2015LN

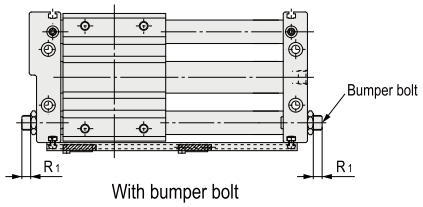
* The above figures show the product with auto switches.

CY1S Series Magnetically Coupled Rodless Cylinder (Slide Bearing)

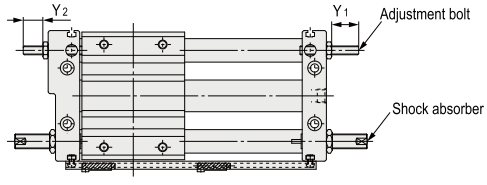
Main Dimensions CY1SG/Centralized piping type



Amount of stroke adjustment



With bumper bolt



With shock absorber

(mm)

Model	A	B	C	D	d	E	F	G	GA	GB	GP	H	HA	HB	HC	HG	HP	HT	JJ	K	L	LD	M	MM	NA	NB	NC	ND	NE
CY1SG6-Z	6	6.5	3.3	7.6	8	2	25	5	5	5	30	27	20.5	20.5	15.5	8	26	15.5	M4×0.7	3	40	3.5	6	M4×0.7	11	14	19	7	10
CY1SG10-Z	7.5	8	4.4	12	10	2.5	31.5	6.5	5	6	40	34	25	27	17	13.5	33	17	M4×0.7	6	45	4.6	6	M4×0.7	10.5	16.5	28	6.5	12.5
CY1SG15-Z	7.5	9.5	5.4	16.6	12	2	38	6.5	5	6	52	40	28	29.5	20.5	15	39	20.5	M4×0.7	11	60	5.8	8	M5×0.8	10.5	16.5	28	5.5	11.5
CY1SG20-Z	10	9.5	5.4	21.6	16	2	44	8.5	5.5	8	62	46	36	37.5	24	19	45	20	M6×1	16	70	5.8	10	M6×1	10.5	22	28	5.5	17
CY1SG25-Z	10	11	6.5	26.4	16	2	52	8.5	5.5	8	70	54	40.5	40.5	27.5	21.5	53	21	M6×1	20	70	7	10	M6×1	12.5	22	49	7.5	17
CY1SG32-Z	12.5	14	8.6	33.6	20	2	64	9.5	5.5	9	86	66	50	50	33	26	64	24	M8×1.25	26	85	9	12	M8×1.25	11.5	23.5	52	5.5	17.5
CY1SG40-Z	12.5	14	8.6	41.6	25	2	74	10.5	5.5	10	104	76	55.5	55.5	38	27	74	27	M8×1.25	28	95	9	12	M8×1.25	10.5	22.5	51	4.5	16.5

(mm)

Model	NF	NN	P			PA	PB	PW	Q	QW	R	R1	Bumper bolt adjustable range (Both sides:R1×2)	S	T	TT	UU	W	Y1	Y2	Adjustment bolt adjustable range (Both sides:Y1×2)	ZZ	Shock absorber
			Nil	TN	TF																		
CY1SG6-Z	15	M4×0.7	M3×0.5	–	–	25	25	49	52	16	1	7.5	15	42	10	10	M6×0.75	46	11.5	7.5	19	66	RJ0604N
CY1SG10-Z	24	M4×0.7	M5×0.8	–	–	25	38	61	60	24	1	5.5	11	47	12.5	12.5	M8×1	58	14	10	24	76	RJ0806HN
CY1SG15-Z	23	M4×0.7	M5×0.8	–	–	30	50	76	75	30	1	5.5	11	62	12.5	12.5	M8×1	73	14	9	23	92	RJ0806LN
CY1SG20-Z	23	M6×1	Rc1/8	NPT1/8	G1/8	40	70	90	90	38	1.5	4.5	9	73	16.5	16.5	M10×1	87	18.5	13.5	32	111	RJ1007LN
CY1SG25-Z	44	M6×1	Rc1/8	NPT1/8	G1/8	40	70	99	90	42	1.5	4.5	9	73	16.5	16.5	M14×1.5	96	18.5	13.5	32	111	RJ1412LN
CY1SG32-Z	46	M8×1.25	Rc1/4	NPT1/8	G1/8	40	75	119	110	50	3	5.5	11	91	18.5	18.5	M20×1.5	116	18.5	12.5	31	134	RJ2015HN
CY1SG40-Z	45	M8×1.25	Rc1/4	NPT1/4	G1/4	65	105	142	120	64	2	4.5	9	99	20.5	20.5	M20×1.5	139	17.5	11.5	29	146	RJ2015LN

* The above figures show the product with auto switches.