



CY1S-Z series
Magnetically coupled rodless cylinder

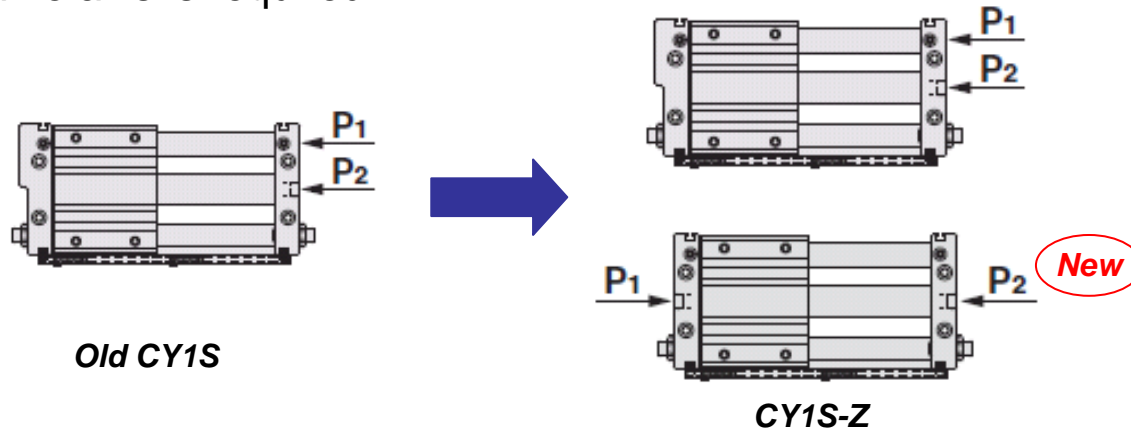
Improved features and related benefits

FEATURE: Weight and overall dimensions are reduced by the redesign of the slide block and the end plates, while keeping the mounting interchangeability.

CUSTOMER BENEFIT: Contribution to an overall reduction in weight and dimensions.

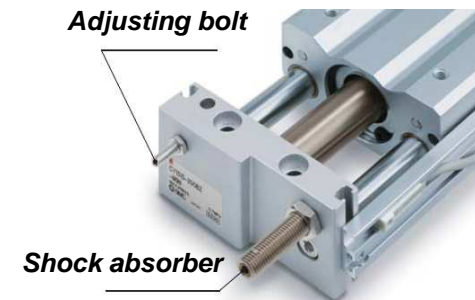
FEATURE: Bilateral piping type added to the already existing centralised piping type.

CUSTOMER BENEFIT: More design flexibility, particularly when keeping the piping in the same axis is required.



FEATURE: The option with shock absorber is also including an adjusting bolt to improve the position reproducibility of the stroke ends.

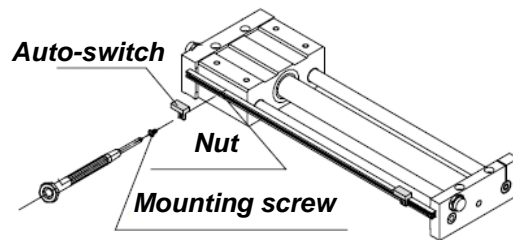
CUSTOMER BENEFIT: Improved position reliability of the stroke ends can be achieved in a shorter time, reducing cycle time.



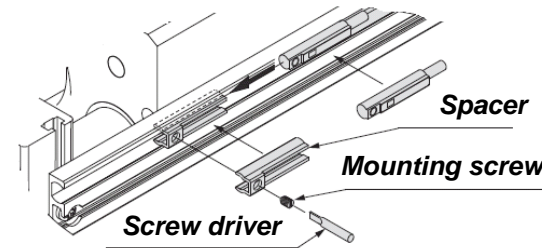
Improved features and related benefits

FEATURE: Improved auto-switch mounting: the auto-switch can be mounted without the need to slide a mounting nut inside the rail. Mounting rail is now standard. The standard compact auto-switches D-M9#/A9# can now be mounted

CUSTOMER BENEFIT: Reduced labour and inventory costs.



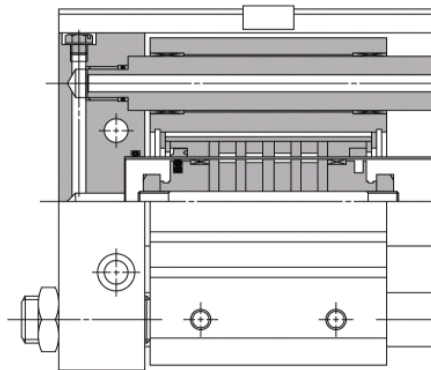
Old CY1S



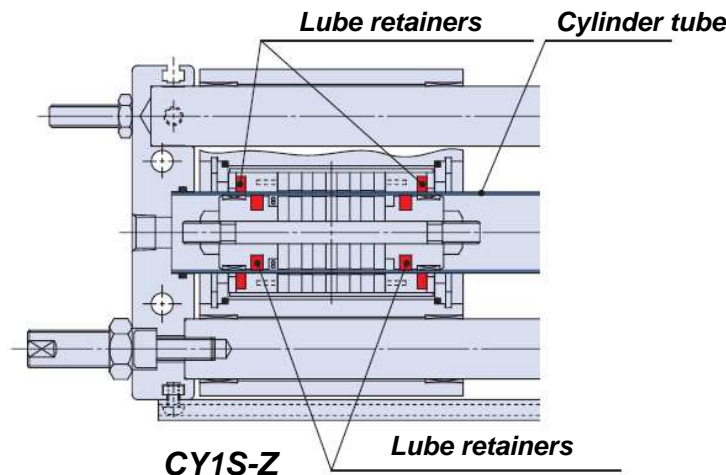
CY1S-Z

FEATURE: Lube retainers are mounted on the internal and external surfaces of the cylinder, to maintain the lubrication and improve the durability.

CUSTOMER BENEFIT: Reduced maintenance cost.



Old CY1S



Technical details

■ Standard and made-to-order options

Description	Old CY1S option	CY1S-Z option
Centralised piping	Nil	G
Bilateral piping	x	Nil
High magnetic holding force	H	Nil
Low magnetic holding force	L	x
With 2 shock absorbers	B	B*
With one shock absorber (A side)	BS	BS**

* Metal adjustment bolts are also added in both sides.

** Metal adjustment both is added on A side

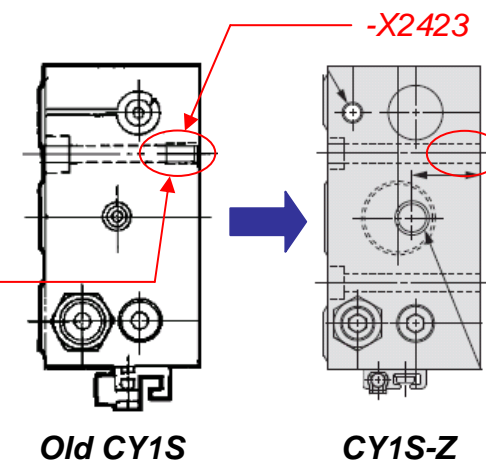
Option	Description	Old CY1S	CY1S-Z
-XB9	Low speed (15 to 50 mm/s)	O	O
-XB13	Ultra low speed (7 to 50 mm/s)	O	O
-XB22	Shock absorber soft type RJ series	O	O
-X116	Air-hydro	O	O
-X168	Helical insert thread specifications	O	O
-X210	Non-lubricated exterior	O	O
-X322	Outside of cylinder tube with hard chrome plated	O	O
-X324	Non-lubricated exterior with dust seal	O	O
-X431	Auto-switch rail on both side faces	O	O
-X2423	Mounting surface with tapped hole	x***	O
-X2489	Applicable to square auto-switches	x	O

*** The old CY1S already had tapped holes on mounting surface as standard

O = Available

x = Not available

Nil = Leave option blank



Technical details

▪Applicable auto-switches and mounting accessory

Auto-switch type	Old CY1S		CY1S-Z	
	Auto-switch model	Mounting accessory	Auto-switch model	Mounting accessory
Solid state type	D-F7#/J79#	-	D-M9#	BMY3-016
Reed type	D-A7#/A8#		D-A9#	

D-F7#/A7# can be mounted on CY1S-Z by adding the made-to-order option -X2489

▪Product weight (Kg)

Bore	Old CY1S			CY1S-Z			
	Basic weight		Additional weight per 50mm stroke	Basic weight		Additional weight per 50mm stroke	
	CY1S#H	CY1S#L		CY1S#-Z	CY1SG-Z	CY1S#-Z	CY1SG-Z
6	0,27	-	0,044	0,231	0,236	0,053	0,050
10	0,48	-	0,074	0,428	0,435	0,082	0,079
15	0,91	0,85	0,104	0,743	0,743	0,111	0,108
20	1,48	1,37	0,138	1,317	1,331	0,184	0,176
25	1,84	1,75	0,172	1,641	1,662	0,186	0,178
32	3,63	3,48	0,267	2,870	2,903	0,284	0,273
40	4,02	3,84	0,406	4,508	4,534	0,430	0,411

▪Seal kit

Bore	Old CY1S	CY1S-Z
6	CY1S6-PS-N	CY1S6-Z-PS
10	CY1S10-PS-N	CY1S10-Z-PS
15	CY1S15-PS-N	CY1S15-Z-PS
20	CY1S20-PS-N	CY1S20-Z-PS
25	CY1S25-PS-N	CY1S25-Z-PS
32	CY1S32-PS-N	CY1S32-Z-PS
40	CY1S40-PS-N	CY1S40-Z-PS