

# Series CVM3

## Mounting Brackets and Accessories

Accessory	Standard equipment			Option	
	Mounting nut	Rod end nut	Clevis pins	Single knuckle joint	Double knuckle joint
Basic	● (1 pc)	●	—	●	●
Axial foot	● (2)	●	—	●	●
Front flange	● (1)	●	—	●	●
Rear flange	● (1)	●	—	●	●
Single clevis	— (1)	●	—	●	●
Double clevis (3)	— (1)	●	●	●	●
Rear trunnion	● (1) (2)	●	—	●	●
Front trunnion	● (1) (2)	●	—	●	●
Notes					With pins

Note 1) Mounting nuts are not equipped to single clevis and double clevis.

Note 2) Trunnion nuts are used for mounting to rear trunnion and front trunnion.

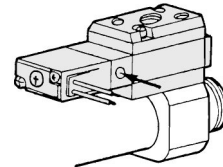
Note 3) Pins and set rings are packed to the double clevis and the double knuckle joint.

## Accessories

Further information on accessories are the same specification as the standard double acting single rod.

## Manual Operation

Manual operation is possible by pushing the manual button indicated with the arrow.



## Weight

### Spring return/( ): Spring extend

(kg)

Bore size (mm)		20	25	32	40
Basic weight	25 Strokes	0.30 (0.30)	0.40 (0.04)	0.52 (0.51)	0.87 (0.86)
	50 Strokes	0.32 (0.32)	0.43 (0.43)	0.56 (0.56)	0.94 (0.93)
	75 Strokes	0.37 (0.37)	0.52 (0.51)	0.68 (0.66)	1.13 (1.09)
	100 Strokes	0.39 (0.39)	0.55 (0.54)	0.73 (0.70)	1.19 (1.16)
	125 Strokes	0.45 (0.44)	0.64 (0.61)	0.86 (0.82)	1.39 (1.33)
	150 Strokes	0.47 (0.46)	0.67 (0.64)	0.90 (0.86)	1.46 (1.40)
	200 Strokes	— (—)	— (—)	1.07 (1.02)	1.71 (1.63)
	250 Strokes	— (—)	— (—)	— (—)	1.97 (1.85)
Weight of mounting brackets	Axial foot	0.15 (0.15)	0.16 (0.16)	0.16 (0.16)	0.27 (0.27)
	Flange	0.06 (0.06)	0.09 (0.09)	0.09 (0.09)	0.12 (0.12)
	Single clevis	0.04 (0.04)	0.04 (0.04)	0.04 (0.04)	0.09 (0.09)
	Double clevis	0.05 (0.05)	0.06 (0.06)	0.06 (0.06)	0.13 (0.13)
	Trunnion	0.04 (0.04)	0.07 (0.07)	0.07 (0.07)	0.10 (0.10)
Weight of accessories	Single knuckle joint	0.06 (0.06)	0.06 (0.06)	0.06 (0.06)	0.23 (0.23)
	Double knuckle joint (with pins)	0.07 (0.07)	0.07 (0.07)	0.07 (0.07)	0.20 (0.20)
	Clevis acceptance (with pins)	0.07 (0.07)	0.07 (0.07)	0.14 (0.14)	0.14 (0.14)

Calculation example: CVM3L32-100 (ø32, 100 strokes, Spring return)

• Basic weight.....0.73

• Weight of brackets.....0.16

0.73+0.16=0.89kg

## Minimum Strokes for Auto Switch Mounting

(mm)

Model	Number of auto switches mounted				1 pc
	2 pcs		n pcs		
	On different sides	On the same side	On different sides	On the same side	
D-C7/C8	15	50	$15+45\left(\frac{n-2}{2}\right)$ (n=2, 4, 6...)	$50+45(n-2)$	10
D-H7□/H7□W H7NF	15	60		$60+45(n-2)$	10
D-C73C/C80C D-H7C	15	65	$15+50\left(\frac{n-2}{2}\right)$ (n=2, 4, 6...)	$65+50(n-2)$	10
D-H7LF	20	65			10
D-B5 D-B6	15	75	$15+50\left(\frac{n-2}{2}\right)$ (n=2, 4, 6...)	$75+55(n-2)$	10
D-B59W	20	75			15