

Single-Acting Cylinder S series (return-by-spring type)

Description of the type

S	3	-	50	
Maximum output			Attached coupler	
3 : 300 kN			No mark : S-1R	
4 : 400 kN			T : ROC-13R	
5 : 500 kN			N C : W/O coupler	
S series		Stroke (mm)		

●The piston and the inner side of the cylinder tube are coated.

S5-25

S5-50

Specification

		300kN			400kN	500kN	
Type		S3-50	S3-125	S3-200	S4-125	S5-25	S5-50
Maximum operating pressure	MPa	70			70	70	
Maximum output	kN	300			400	500	
Pressure area	cm ²	44.17			57.77	71.63	
Stroke	mm	50	125	200	125	25	50
Minimum overall length	A	226	300	376	299	100	176
Inner diameter of the cylinder	φ	75.0			85.77	95.5	
Outside diameter of the cylinder	φB	102			117	128	
Piston diameter	φC	66			75	73	85
Piston screw diameter	D	M65 × 2			M70 × 2	-	-
Piston screw length	E	30			33	-	-
Piston ejection length	F	35			35	-	21
Head cover diameter	φG	-	-	-	-	-	85
Head cover length	H	-	-	-	-	-	21
Collar screw diameter	I	M100 × 2			M115 × 2	-	M127 × 2.5
Collar screw length	J	59			60	-	55
None thread length	K	6			6	-	6
Base screw diameter	L	M65 × 2			M70 × 2	-	-
Base screw depth	M	30			30	-	-
Boss length	N	-	-	-	-	19	-
Coupler ejection length	P	≒53			≒53	≒72	≒53
Coupler position	Q	50		52	52	35	30
Coupler connection diameter	-	Rc3/8			Rc3/8	Rc3/8	
Attached coupler	-	S-1R			S-1R	S-1R	
Necessary oil level	cm ³	221	553	884	723	180	359
Approximate weight	kg	11.7	15.3	19.0	19.5	9.4	13.8

Available attachments

		S3-50	S3-125	S3-200	S4-125	S5-25	S5-50
Piston	Cap	R-30P			R-40P	Including a special head cover	
	Piston base	RB-30			RB-40	-	-
	Clevis	-	-	-	-	-	-
Flange	30F			-	-	50F	
Base	Cylinder base	CB-30			CB-40	-	-
	Clevis	-	-	-	-	-	-