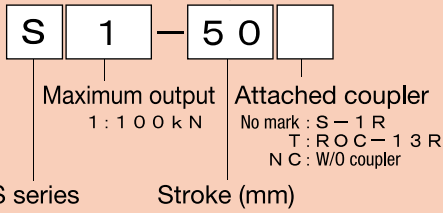
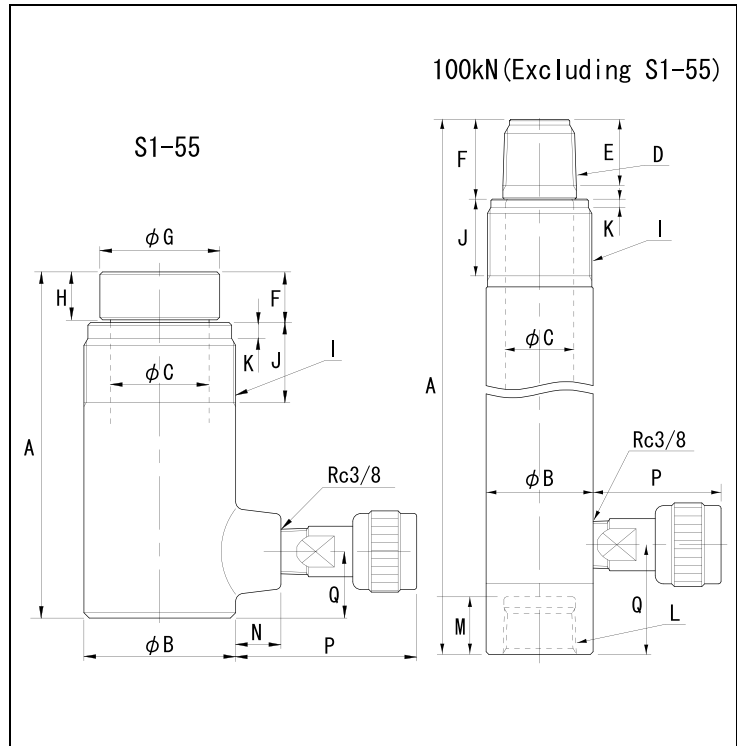


# Imperial Thread Single-Acting Cylinder S series (return-by-spring type)

## Description of the type



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



## Specification

		100kN								
Type		S1-50	S1-55	S1-100	S1-120	S1-150	S1-200	S1-255	S1-300	
Maximum operating pressure	MPa	70								
Maximum output	kN	100								
Pressure area	cm <sup>2</sup>	14.52								
Stroke	mm	50	55	100	120	150	200	255	300	
Minimum overall length	A	201	130	235	280	300	369	414	471	
Inner diameter of the cylinder	φ	43								
Outside diameter of the cylinder	φ B	57								
Piston diameter	φ C	38	37	38						
Piston screw diameter	D	1 1/4-11.5NPT	-	1 1/4-11.5NPT						
Piston screw length	E	30	-	30						
Piston ejection length	F	32	19	32						
Head cover diameter	φ G	-	45	-	-	-	-	-	-	
Head cover length	H	-	18	-	-	-	-	-	-	
Collar screw diameter	I	2 1/4-14NS								
Collar screw length	J	30								
None thread length	K	6								
Base screw diameter	L	1 1/4-11.5NPT	-	-	1 1/4-11.5NPT					
Base screw depth	M	25	-	-	25					
Boss length	N	-	17	-	-	-	-	-	-	
Coupler ejection length	P	≒46	≒70	≒46						≒44
Coupler position	Q	40	25	25	50	40				
Coupler connection diameter	-	Rc3/8								
Attached coupler	-	S-1R								
Necessary oil level	cm <sup>3</sup>	73	80	146	175	218	291	371	436	
Approximate weight	kg	3.1	2.1	3.8	4.4	4.7	5.8	6.5	7.4	

## Available attachments

		S1-50	S1-55	S1-100	S1-120	S1-150	S1-200	S1-255	S1-300	
Piston	Cap	R-10P	Exclusive	R-10P						
	Piston base	RB-10	-	RB-10						
	Clevis	CLF-10-A (B)	-	CLF-10-A (B)						
Flange	10F									
Base	Cylinder base	CB-10	-	-	CB-10					
	Clevis	CLM-10-A (B)	-	-	CLM-10-A (B)					