

120 to 600 kN Center Hole Cylinders (SC Series)

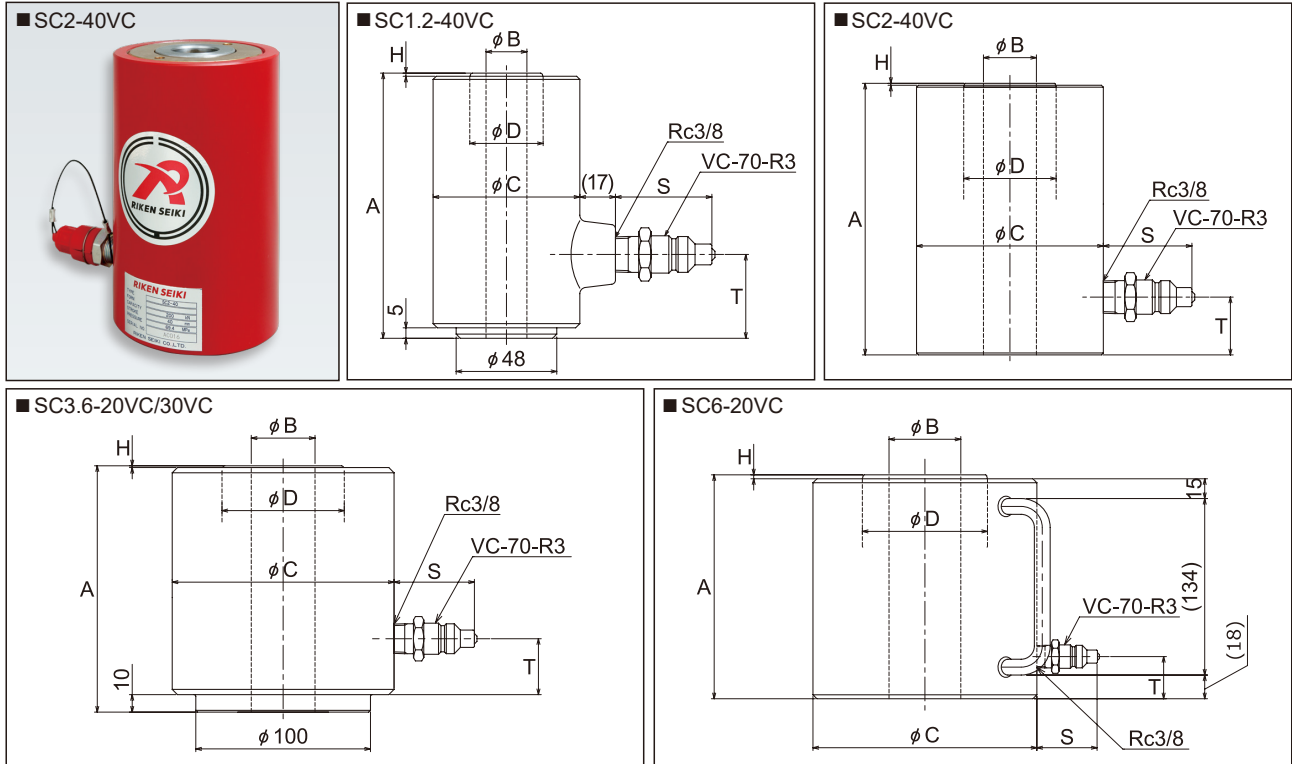
- A through-hole is provided at the center of the piston, and is useful for various tensile testings and tension units.
- The SC6-20 has a handle.

	SC1.2	SC2	SC3.6	SC6
Maximum operating pressure	70 MPa			
Maximum output	120 kN	200 kN	360 kN	600 kN
Effective area (cm ²)	17.86	28.86	51.42	88.55
Cylinder internal diameter	φ 54	φ 70	φ 95.5	φ 130
Cylinder system	Single-acting			
Return system	Spring-return			
Coupler connection port size	Rc3/8			

Model code structure



SC : Single-acting center hole cylinder
 SC series
1.2 : Maximum output
 1.2 : 120 kN
 2 : 200 kN
 3.6 : 360 kN
 6 : 600 kN
40 : Stroke (mm)
VC : Attached coupler
 VC : VC-70-R3
 S : S-1R
 T : ROC-13R
 -NC : W/O coupler



Specifications

Model		SC1.2-40	SC2-40	SC3.6-20	SC3.6-30	SC6-20
Stroke	mm	40	40	20	30	20
Minimum overall length	A	126.5	165	141	161	170
Center hole diameter	φ B	19.5	27.5	36.5		54.5
Cylinder external diameter	φ C	70	97	127		170
Piston diameter	φ D	35	48	70		95
Piston protrusion length	H	1.5	1	1		3
Coupler protrusion length	VC-70-R3			≈ 46		
	S-1R	S		≈ 53		
	ROC-13R			≈ 49		
Coupler position	T	40	30	32		32
Required oil volume	cm ³	72	116	103	155	178
Approx. weight	kg	3.0	7.8	11.3	12.7	25.0

Pressure gauges with load scale (regular stock item)

- These pressure gauges have not only a pressure scale but also a load scale corresponding to the cylinder effective area. (Indicated loads are conversion values.)
- Other than the models shown below, pressure gauges with a load scale are make-to-order products.
- None of inspection report, traceability system diagram, and calibration certificate are included. If necessary, please let us know your request when ordering. (For details, see page 162.)

Model	Effective area (cm ²)	Compatible cylinder
AS100-120 kN	17.86	SC1.2
AS100-200 kN	28.86	SC2
AS100-360 kN	51.42	SC3.6

