

200 to 1000 kN (R Series)

Maximum operating pressure	70 MPa
Maximum output	200/300/500/1000 kN
Cylinder system	Single-acting
Return system	Load-return
Coupler connection port size	Rc3/8

Model code structure

R **2** - **10** **VC**

Maximum output
 2 : 200 kN
 3 : 300 kN
 5 : 500 kN
 10 : 1000 kN

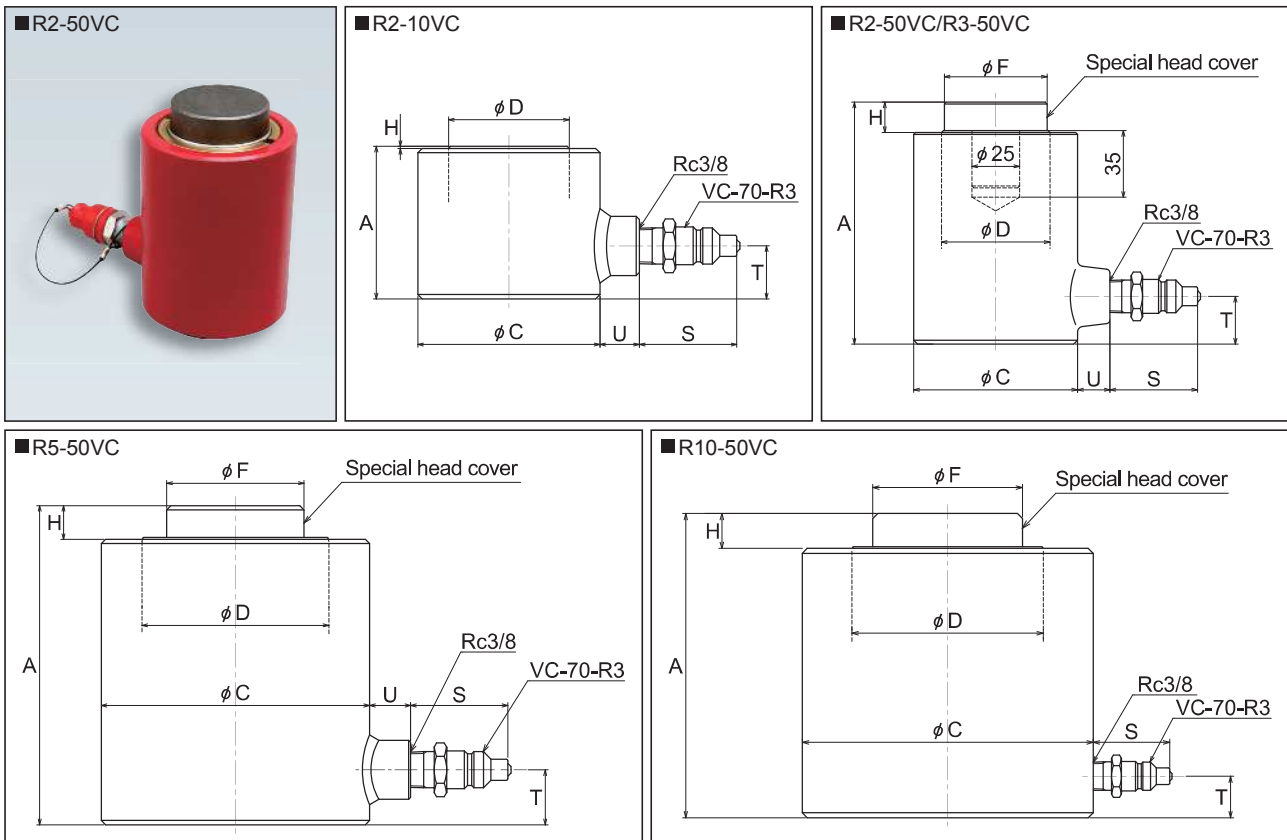
Attached coupler
 VC : VC-70-R3
 S : S-1R
 T : ROC-13R
 -NC : W/O coupler

Stroke (mm)

Single-acting cylinder
 R series

●The piston and the inside of the cylinder tube are plated.

👉 For cylinder and pump selections, see page 54.



Specifications

Model		R2-10	R2-50	R3-50	R5-50	R10-50
Maximum output	kN	200		300	500	1000
Effective area	cm ²	33.18		44.17	71.63	146.55
Cylinder return force	kN	≈ 0.35		≈ 0.45	≈ 0.75	≈ 1.5
Stroke	mm	10	50	50	50	50
Minimum overall length	A	72	127	134	151	183
Cylinder internal diameter	φ	65		75	96	136.6
Cylinder external diameter	φ C	86		102	127	175
Piston diameter	φ D	57		66	89	115
Head cover diameter	φ F	—	54	54	65	90
Piston protrusion length	H	1	16	16	16	21
Coupler protrusion length	VC-70-R3	≈ 46		≈ 46	≈ 46	≈ 46
	S-1R	≈ 53		≈ 53	≈ 53	≈ 53
	ROC-13R	≈ 49		≈ 49	≈ 49	≈ 49
Coupler position	T	25		25	26	25
Boss length	U	19	17	19	19	—
Required oil volume	cm ³	34	166	221	359	733
Approx. weight	kg	3.3	5.1	7.5	13.0	30.0

*Cylinder parts and attachments cannot be attached to the above cylinders.