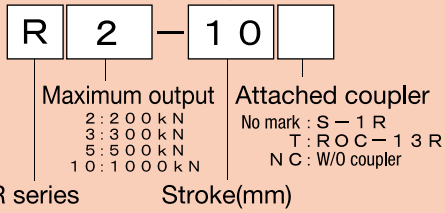


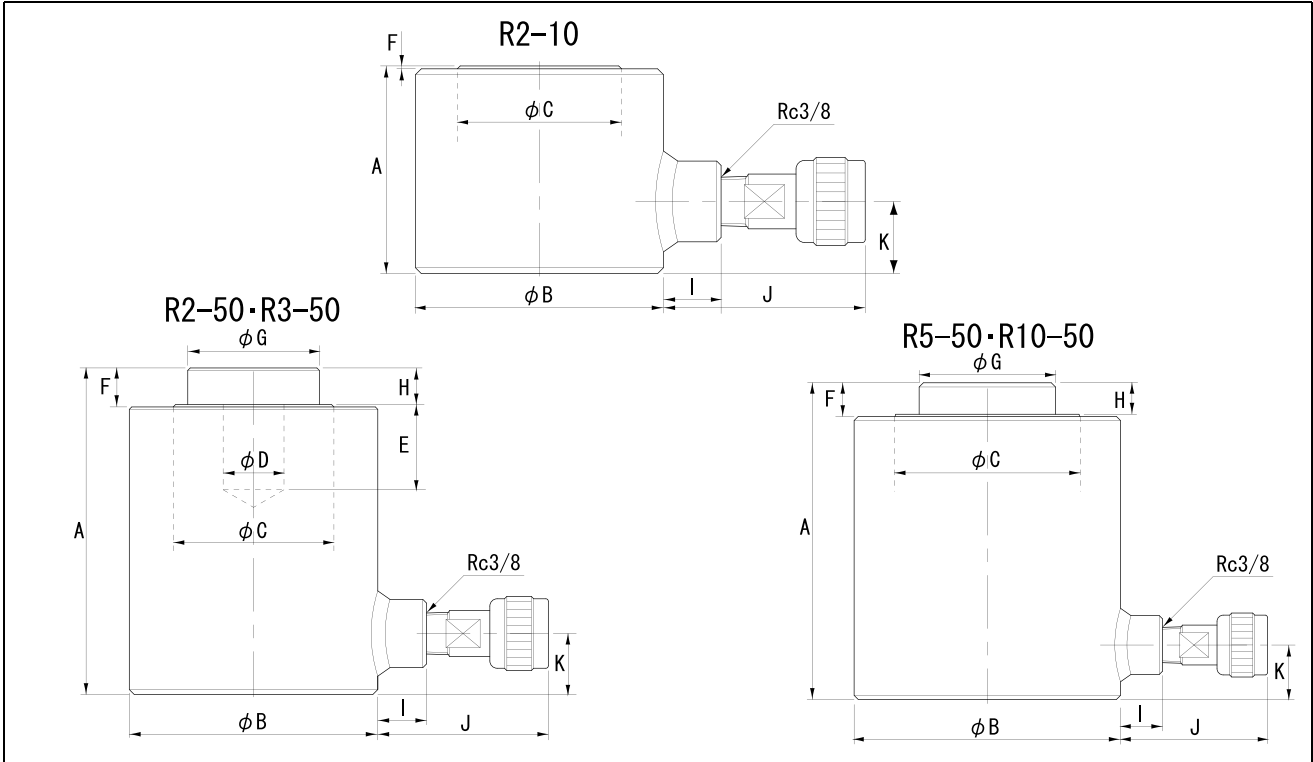
# Single-Acting Cylinder R series (short type / return-by-load type)

Hydraulic Cylinders

## Description of the type



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



## ■ Specification

Type	200kN		300kN	500kN	1,000kN
	R2-10	R2-50	R3-50	R5-50	R10-50
Return system	Load		Load	Load	Load
Cylinder return force	kN		0.35	0.45	0.75
Maximum operating pressure	MPa		70	70	70
Maximum output	kN		200	300	500
Pressure area	cm <sup>2</sup>		33.18	44.17	71.63
Stroke	mm	10	50	50	50
Minimum overall length	A	72	127	134	151
Inner diameter of the cylinder	φ	65.0		75.0	95.5
Outside diameter of the cylinder	φ B	86		102	127
Piston diameter	φ C	57.0		66.0	88.5
Plunger hole diameter	φ D	—	25	25	—
Plunger hole length	E	—	35	35	—
Piston ejection length	F	1	16	16	16
Head cover diameter	φ G	—	54	54	65
Head cover length	H	—	15	15	15
Boss length	I	19	17	19	19
Coupler ejection length	J	≒ 72	≒ 70	≒ 72	≒ 72
Coupler position	K	25	25	25	26
Coupler connection diameter	—	Rc3/8	Rc3/8	Rc3/8	Rc3/8
Attached coupler	—	S-1R	S-1R	S-1R	S-1R
Necessary oil level	cm <sup>3</sup>	34	166	221	359
Approximate weight	kg	3.3	5.1	7.5	13.0

\* Cylinder parts and attachments cannot be mounted to the above all these cylinder.