

# Double-Acting Cylinder D series

## Description of the type

**D 10 - 50**

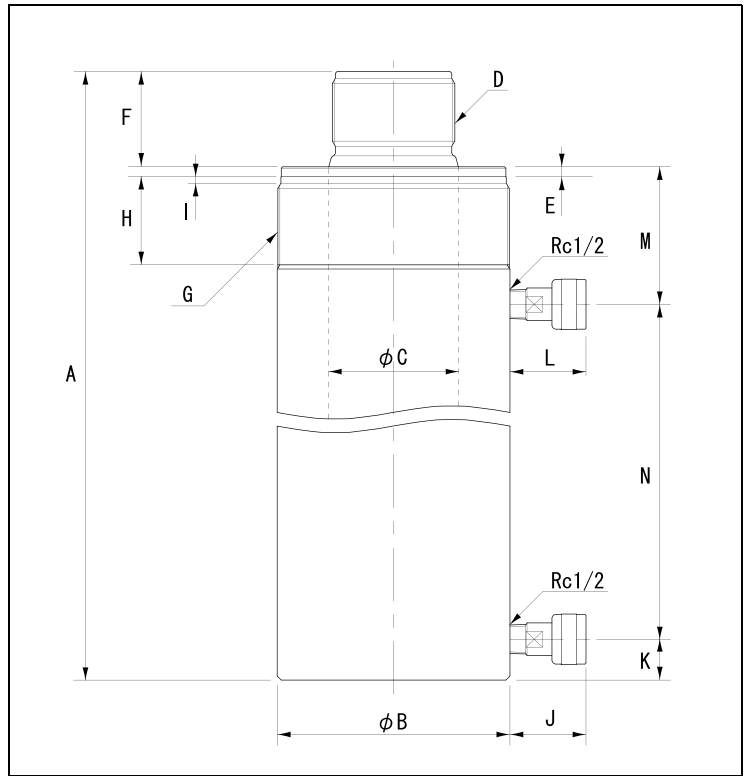
Maximum output  
10 : 1 000 kN  
20 : 2 000 kN

Attached coupler  
No mark : S - 2 4 R  
N C : W/O coupler

D series

Stroke (mm)

●The piston is coated.



## ■ Specification

		1000kN				2000kN			
Type		D10-50	D10-150	D10-300	D10-500	D20-150	D20-300	D20-500	D20-1000
Maximum operating pressure	MPa	70				70			
Push side	Maximum output	1,000				2,000			
	Effective area	146.55				285.26			
Pull side	Maximum output	515				976			
	Effective area	75.44				139.09			
Stroke	mm	50	150	300	500	150	300	500	1000
Minimum overall length	A	320	447	598	912	473	623	959	1459
Inner diameter of the cylinder	φ	136.6				190.58			
Outside diameter of the cylinder	φB	171		185		241		255	
Piston diameter	φC	95.15				136.42			
Piston screw diameter	D	M90 × 3				M120 × 4			
No thread length	E	7				7			
Piston ejection length	F	67	70			78			
Collar thread diameter	G	M170 × 3		M185 × 3		M240 × 4		M255 × 4	
Collar thread length	H	65				73			
None thread length	I	5				5			
Push side	Coupler ejection length	≒56				≒56			
	Coupler position	30		40		35		40	
Pull side	Coupler ejection length	≒56				≒56			
	Coupler position	101		107		114			
Distance between ports	N	122	246	397	695	246	396	727	1,227
Coupler connection diameter	-	Rc1/2				Rc1/2			
Attached coupler	-	S-24R				S-24R			
Necessary oil level	cm <sup>3</sup>	733	2,199	4,397	7,328	4,279	8,558	14,263	28,526
Approximate weight	kg	46	62	81	152	130	169	268	450

## ■ Available attachments

		D10-50	D10-150	D10-300	D10-500	D20-150	D20-300	D20-500	D20-1000
Piston	Cap	R-100P				R-200P			
	Piston base	RB-100				-			
	Clevis	-				-			
Flange	100F		100FB		200F		200FB		
Cylinder hanging hook	TH-170 (Handle type)			-		TH-240 (Hanging hook type)		-	