



**ROTARY  
CYLINDER**

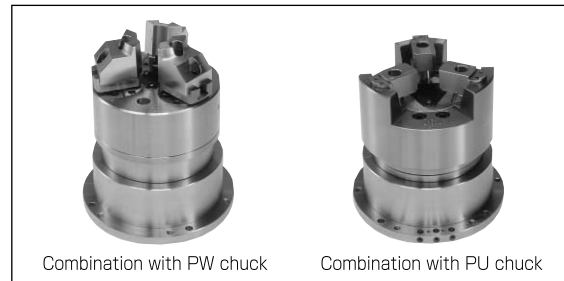
# Stationary Cylinder YS series

Provided for M/C system  
Versatility to enhance processing capability



- Optimum for versatile workpieces
- Easily mounting to drilling machine, milling machine, etc
- Easily setting to multi-plate for workpiece gripper (article of out company)
- Pneumatic or hydraulic pressure can be supplied

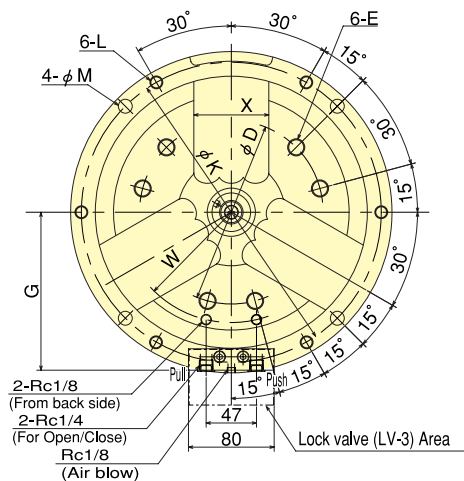
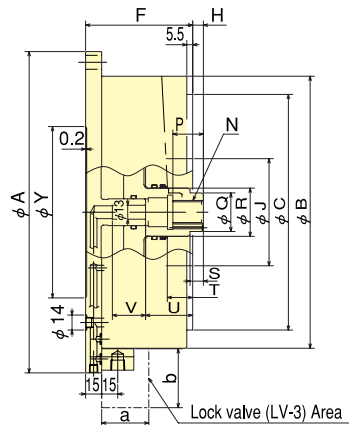
### Combination example



Combination with PW chuck

Combination with PU chuck

### Dimensional Drawings



### Dimensions

\*The dimensions of a/b marked are the size of LV-3(Lock-valve).

Model	$\phi A$ h7	$\phi B$	$\phi C$ h7	$\phi D$	E	F	G	H max.	H min.	$\phi J$	$\phi K$	L	$\phi M$
YS1415K	203	165	140	104.8	M10depth17	72	103	8	-7	75	185	M10	11
YS1820K	248	210	170	133.4	M10depth17	92	125.5	11	-9	100	230	M10	11
YS2220K	300	254	220	171.4	M10depth17	100	147.5	10	-10	100	280	M12	13

Model	N	P	$\phi Q$	$\phi R$	S	T	U	V	W	X	Y	a	b
YS1415K	M16	14	—	40	—	9.3	23	25	60	48	95	45	55
YS1820K	M18	21.5	30	40	7.3	17.3	35.5	31	80	70	125	45	55
YS2220K	M22	28.5	36	45	12.5	23.7	44	31	95	70	160	45	55

### Specifications

Model	Piston stroke	Max. allowable pressure		Max. thrust				Weight	Matching chuck size
		Pneumatic	Hydraulic	Pneumatic	0.6MPa (6kgf/cm <sup>2</sup> )	Hydraulic	1.5MPa (15.3kgf/cm <sup>2</sup> )		
YS1415K	15mm	0.7MPa (7kgf/cm <sup>2</sup> )	1.5MPa (15.3kgf/cm <sup>2</sup> )	Push	8.5kN (867kgf)	Push	20.8kN (2121kgf)	15kg	6inch
				Pull	8.1kN (826kgf)	Pull	20.1kN (2050kgf)		
YS1820K	20mm	0.7MPa (7kgf/cm <sup>2</sup> )	1.5MPa (15.3kgf/cm <sup>2</sup> )	Push	15.1kN (1540kgf)	Push	37.7kN (3844kgf)	22kg	8inch
				Pull	14.6kN (1489kgf)	Pull	36.5kN (3722kgf)		
YS2220K	20mm	0.7MPa (7kgf/cm <sup>2</sup> )	1.5MPa (15.3kgf/cm <sup>2</sup> )	Push	21.4kN (2182kgf)	Push	53.6kN (5466kgf)	39kg	10inch
				Pull	20.8kN (2121kgf)	Pull	51.9kN (5292kgf)		