

OS2



Feature

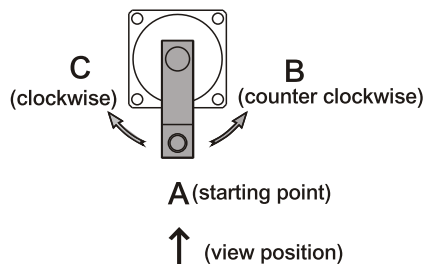
- To save space, OS2 is designed to be much shorter than OS1 product.
- Using the attached flange with bolts to fix OS2 product.
- Three kind input ports can be chosen for different design need.

Theoretical force

bore (mm)	rod (mm)	pressed area (cm ²)	theoretical clamp force(kgf)	
			25kgf/cm ²	70kgf/cm ²
25	18	2.4	60	168
32	20	4.9	123	343
40	20	9.4	235	658
50	20	16.5	413	1155
63	25	26.2	658	1834

Spec.

bore(mm)	25	32	40	50	63
acting	double acting				
swivel angle	90°, 180°				
swivel direction	left(L) or right(R)				
swivel stroke(mm)	12(21)			14(21)	
clamp stroke(mm)	14(5)			15(8)	
fluid	oil mineral				
max. working pressure (kgf/cm ²)	70				
test pressure(kgf/cm ²)	105				



L: left turn with counter clockwise direction:

A: starting point

B: clamping point

R: right turn with clock wise direction :

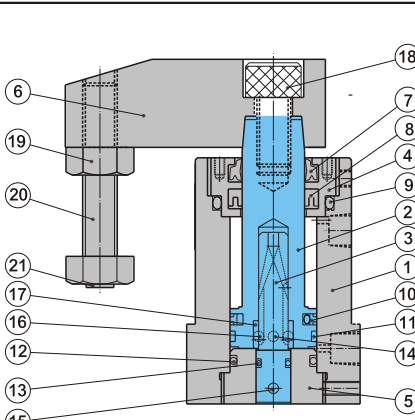
A: starting point

B: clamping point

Standard stroke

bore angle		25	32	40	50	63
90°	L	•	•	•	•	•
	R	•	•	•	•	•
180°		no standard stroke				

Structures and part names

						item	part name	q'ty	item	part name	q'ty
1	tube	1	12	head cover o-ring	1						
2	rod+piston	1	13	guide rod o-ring	1						
3	guide rod	1	14	keeper pin	1						
4	rod cover	1	15	guide pin	1						
5	head cover	1	16	steel ball	2						
6	clamp arm	1	17	keeper ring	1						
7	dust seal	1	18	hex.bolt	1						
8	rod packing	1	19	hex.nut	1						
9	cover o-ring	1	20	clamp bolt	1						
10	piston packing	1	21	clamp holder	1						
11	piston wearing	1									

Seal Spec.

name bore	⑦ dust seal		⑧ rod packing		⑨ cover o-ring		⑩ piston packing		⑪ piston wearing		⑫ head cover o-ring		⑬ guide rod o-ring	
	type	q'ty	type	q'ty	type	q'ty	type	q'ty	type	q'ty	type	q'ty	type	q'ty
25	DH18	1	UHS18	1	G30	1	754-4339610	1	RYTW4×2t	1	P21	1	P9	1
32	DH20	1	UHS20	1	G35	1	754-4339810	1	RYTW4×2t	1	G25	1	P14	1
40	DH20	1	UHS20	1	G35	1	754-4339210	1	RYTW4×2t	1	G35	1	P14	1
50	DH20	1	UHS20	1	G45	1	754-4327110	1	RYTW4×2t	1	G45	1	P14	1
63	DH25	1	UHS25	1	G55	1	754-4326910	1	RYTW4×2t	1	G55	1	P14	1

GENTLE AUTOMATIC SOLUTION SDN BHD

No.36, Jalan Industri USJ 1/13, Taman Perindustrian USJ 1, 47600 Subang Jaya, Selangor.

TEL: 603-8023 7743 / 8743 FAX: 603-8023 9743

email:sales@gentle.com.my / gpauto@tm.net.my

Order form

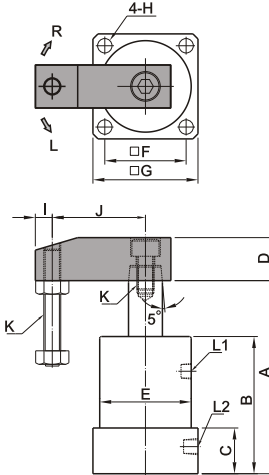
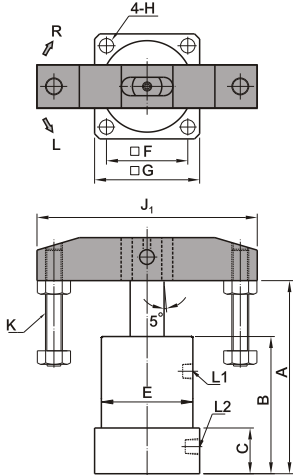
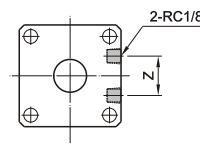
OS2 — SR — 32 × 90 — A

①
②
③
④

OS2 : standard swivel and clamp cylinders

①	type	(1)SR : single side right swivel (3)DR : double sides right swivel (2)SL : single side left swivel (4)DL : double sides left swivel
②	bore(mm)	32、40、50、63
③	swivel angle	90°、180°
④	input port	(1) A/space : standard pistons-one is on body, the other is at the side of base flange. (2) B : input ports are at the sides of base flange. (3) M : input ports are in the bottom of base flange.

External dimensions

● OS2 90° single arm														● OS2 90° double arms						● OS2-B flange side				
																								
not bore														L1(clamp) L2(unclamp)						not bore				
ψ 25	100	71	23	□25.4	ψ 45	□40	□50	ψ 6.5	10	50	120	M10×P1.5	RC1/8	ψ 25	15	18	18	p4						
ψ 32	111	78	25	□25.4	ψ 50	□44	□55	ψ 6.5	10	55	130	M10×P1.5	RC1/8	ψ 32	17	24	24	p4						
ψ 40	114	81	27	□25.4	ψ 54	□48	□62	ψ 8.5	10	55	130	M10×P1.5	RC1/8	ψ 40	20	26	26	p4						
ψ 50	114	81	27	□25.4	ψ 66	□57	□74	ψ 8.5	10	55	130	M10×P1.5	RC1/8	ψ 50	25	30	30	p4						
ψ 63	118	85	32	□32	ψ 80	□70	□88	ψ 12.5	11	75	172	M12×P1.75	RC1/8	ψ 63	30	40	40	p4						

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