



**Feature**

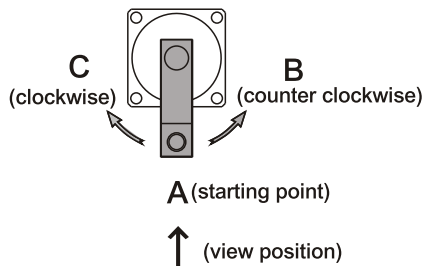
- To save space, OS2 is designed to be much shorter than OS1 product.
- Using the attached flange with bolts to fix OS2 product.
- Three kind input ports can be chosen for different design need.

**Theoretical force**

bore (mm)	rod (mm)	pressed area (cm <sup>2</sup> )	theoretical clamp force(kgf)	
			25kgf/cm <sup>2</sup>	70kgf/cm <sup>2</sup>
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 <sup>2</sup> )	70				
test pressure(kgf/cm <sup>2</sup> )	105				



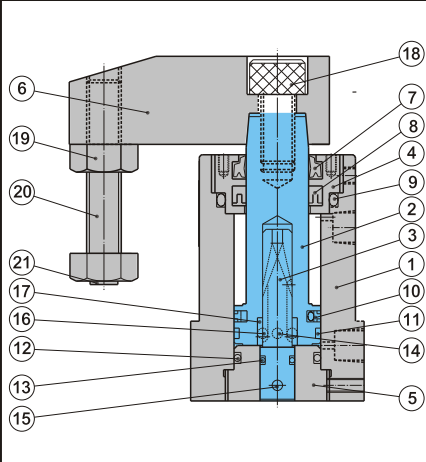
L:left ture with counter clockwise direction:  
 A:starting point  
 B:clamping point

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

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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 boctom of base flange.

External dimensions

● OS2 90° single arm													● OS2 90° double arms					● OS2-B flange side				
not bore	A	B	C	D	E	F	G	H	I	J	J <sub>1</sub>	K	L1(clamp) L2(unclamp)	not bore	X	Y	Z	o-ring				
φ 25	100	71	23	□25.4	φ 45	□40	□50	φ 6.5	10	50	120	M10×P1.5	RC1/8	φ 25	15	18	18	p4				
φ 32	111	78	25	□25.4	φ 50	□44	□55	φ 6.5	10	55	130	M10×P1.5	RC1/8	φ 32	17	24	24	p4				
φ 40	114	81	27	□25.4	φ 54	□48	□62	φ 8.5	10	55	130	M10×P1.5	RC1/8	φ 40	20	26	26	p4				
φ 50	114	81	27	□25.4	φ 66	□57	□74	φ 8.5	10	55	130	M10×P1.5	RC1/8	φ 50	25	30	30	p4				
φ 63	118	85	32	□32	φ 80	□70	□88	φ 12.5	11	75	172	M12×P1.75	RC1/8	φ 63	30	40	40	p4				

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