

Free Mounting Cylinder

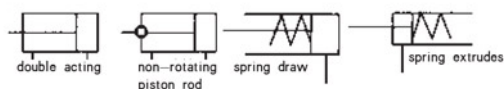
($\phi 12 - \phi 25$)



● Features

This series product is a kind of one-way auxiliary components, which can exhaust the compressed air in the system quickly. Generally used between the cylinder and reversing valve, make the air in the cylinder can be exhausted without passing reversing valve. Widely used in the conditions which need pneumatic components and equipment exhausting gas.

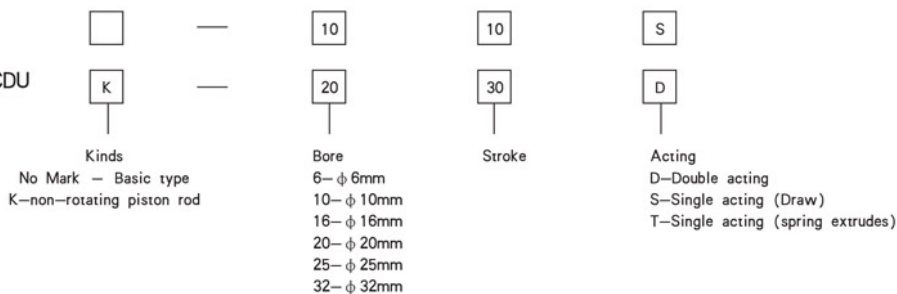
■ Graphics Sign



● Chosen Type

Basic Type: CU

Magnetic Type: CDU



■ Order Example

- 1) Bore: 6, Stroke: 10, Double acting, Un-rotate piston rod type, Code: CUK6-10D
- 2) Bore: 25, Stroke: 25, Double acting (Draw), Within magnet, Code: CDU25-25S

■ Standard Specification

Type(mm)	6	10	16	20	25	32
Applicable medium	Air					
Action	Double acting Single acting, Drawing/Extrusion					
Proof pressure	1.0Mpa(10.5kgf/cm ²)					
Highest pressure	0.7Mpa(7.1kgf/cm ²)					
Environment and fluid temperature	-10 ~ 60°C(No Freeze)					
Cushion	Rubber Cushion					
Stroke tolerance	+1.0, 0					
* Lubrication	No Required					
Mounting	Free(Multifaces Mounting)					
Non rotating accuracy (Only CUK/CDUK)	$\pm 0.8^\circ$			$\pm 0.5^\circ$		
Pipe Size	M5 $\times$ 0.8					1/8

*If Lubricate please use ISOVG32

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($\phi 12 - \phi 25$)

Stroke/Magnetic Switch

Bore	Standard Stroke		Orbit Mounting type
(mm)	double acting	Singel acting	* Magnetic switch
6	5, 10, 15, 20, 25, 30	5, 10, 15	D—A90L D—A93L D—A96L D—A80L D—F9NL D—F9BL
10			
16			
20	5, 10, 15, 20, 25, 30, 40, 50		
25			
32			

* Magnet switch specification refer to magnet switch series

Installation with strong adaptability/Rectangle cylinder

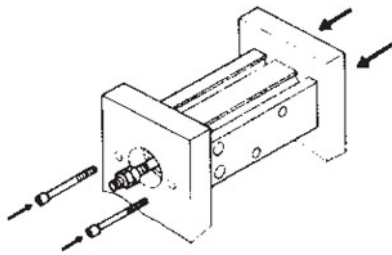
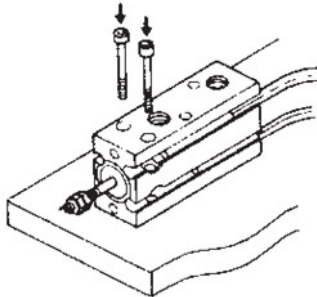
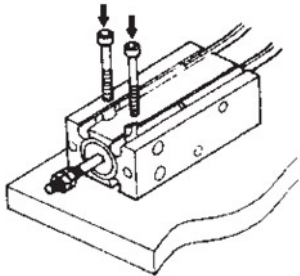
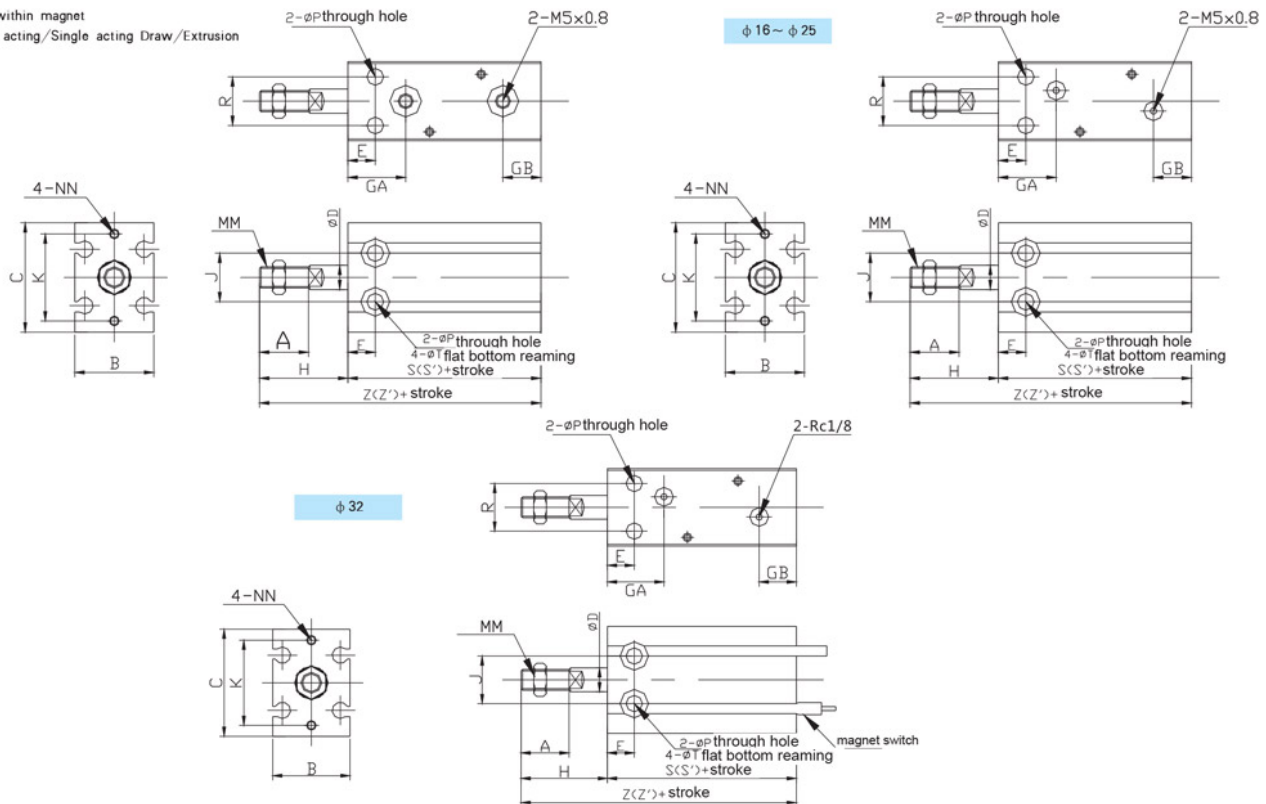
Mounting	Axis parallel(Body divide)	Axis Vertical(through hole)	Flank mount(through hole)
			

Figure Dimension(mm)

Basic within magnet

Double acting/Single acting Draw/Extrusion



Dimension sheet

Type	A	A'	B	C	ϕD	E	GA	GB	J	K	L	MM	NN	ϕP	Q	R	ϕT
C□U6	7	—	13	22	3	7	14.5	10	10	17	—	M3×0.5	M3×0.5depth5	3.4	—	7	6depth4.8
C□U10	10	—	15	24	4	7	15.5	10	11	18	—	M4×0.7	M3×0.5depth5	3.4	—	9	6depth5
C□U16	11	12.5	20	32	6	7	16.5	11.5	14	25	5	M5×0.8	M4×0.7depth6	4.5	4	12	7.5depth6.5
C□U20	12	14	26	40	8	9	19	12.5	16	30	6	M6×1	M5×0.8depth8	5.5	9	16	9.5depth8
C□U25	15.5	18	32	50	10	10	21	13	20	38	8	M8×1.25	M5×0.8depth8	5.5	9	20	9.5depth9
C□U32	19.5	22	40	62	12	11	22	13	24	48	10	M10×1.25	M6×1.0depth9	6.6	13.5	24	11depth11.5

Double acting dimension sheet

Type	H	Basic type		Magnetic Type		
		S	Z	W	S'	Z'
C□U6-□D	13	33	46	2.5	33	46
C□U10-□D	16	36	52	1	36	52
C□U16-□D	16	30	46	0	40	56
C□U20-□D	19	36	55	1	46	65
C□U25-□D	23	40	63	-1	50	73
C□U32-□D	27	42	69	-4	52	79

Single acting(Spring draw)dimension sheet

Type	H	Basic type						Magnetic Type						
		S			Z			W	S			Z'		
		5st	10st	15st	5st	10st	15st		5st	10st	15st	5st	10st	15st
C□U6-□S	13	38	43	48	51	56	61	2.5	38	43	48	51	56	61
C□U10-□S	16	41	46	56	57	62	72	1	41	46	56	57	62	72
C□U16-□S	16	35	40	50	51	56	66	0	45	50	60	61	66	76
C□U20-□S	19	41	46	56	60	65	75	1	51	56	66	70	75	85
C□U25-□S	23	45	50	60	58	73	83	-1	55	60	70	78	83	93
C□U32-□S	27	47	52	62	74	79	89	-4	57	62	72	84	89	99

Single acting(Spring extrude)dimension sheet

Type	H			Basic type						Magnetic Type						
				S			Z			W	S			Z'		
	5st	10st	15st	5st	10st	15st	5st	10st	15st		5st	10st	15st	5st	10st	15st
C□U6—□T	18	23	28	38	43	48	56	66	76	2.5	38	43	48	56	61	76
C□U10—□T	21	266	31	41	46	56	62	72	87	1	41	46	56	62	72	87
C□U16—□T	21	26	31	35	40	50	66	76	91	0	45	50	60	66	76	91
C□U20—□T	24	29	34	41	46	56	65	75	90	1	51	56	66	75	85	100
C□U25—□T	28	33	38	45	50	60	73	83	98	−1	55	60	70	83	93	108
C□U32—□T	32	37	42	47	52	62	79	89	104	−4	57	62	72	89	99	114

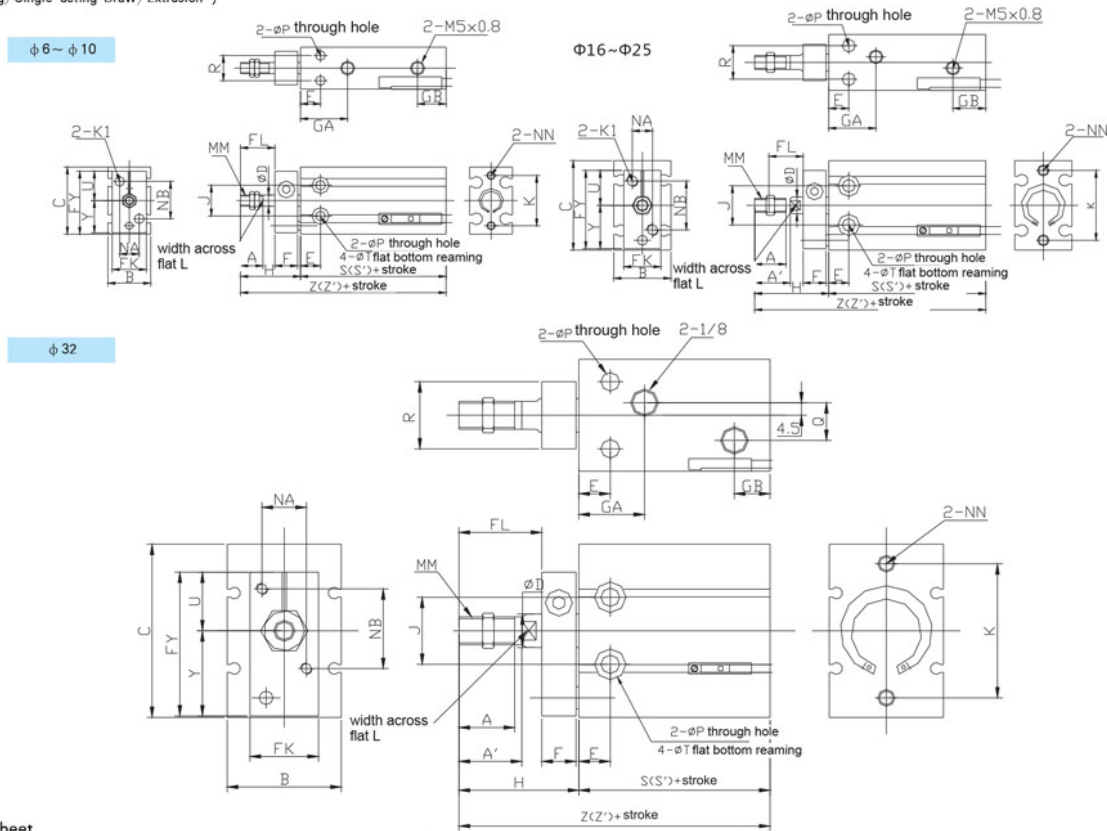
*SY+Stroke

Figure Dimension(mm)

Non-rotating piston rod type with magnetic
(Double acting/Single acting Draw/Extrusion)

Free Mounting Cylinder

($\phi 12 - \phi 25$)



Dimension sheet

Type	A	A'	B	C	ϕD	E	F	FL	FK	FY	GA	GB	H	J	K	KI	L	MM	NA	NB	NN	ϕP	Q	R	ϕT	U	Y
C□UK6	7	—	13	22	3	7	8	9	11	20.5	14.5	10	18	10	17	M3×0.5	—	M3×0.5	6	14	M3×0.5 depth5	3.4	—	7	6 depth4.8	10	10.5
C□UK10	10	—	15	24	4	7	8	12	12	22	15.5	10	21	11	18	M3×0.5	—	M4×0.7	7	15	M3×0.5 depth5	3.4	—	9	6 depth5	10.5	11.5
C□UK16	11	12.5	20	32	6	7	8	17	13	28	16.5	11.5	26	14	25	M4×0.7	5	M5×0.8	6	18	M4×0.7 depth6	4.5	4	12	7.5 depth6.5	12.5	15.5
C□UK20	12	14	26	40	8	9	8	20	16	33	19	12.5	29	16	30	M4×0.7	6	M8×1.25	8	20	M5×0.8 depth8	5.5	9	16	9.5 depth8	13.5	19.5
C□UK25	15.5	18	32	50	10	10	10	22	20	43.5	21	13	33	20	38	M5×0.8	8	M8×1.25	10	28	M5×0.8 depth8	5.5	9	20	9.5 depth9	19	24.5
C□UK32	19.5	22	40	62	12	11	12	29	24	51.5	22	13	42	24	48	M5×0.8	10	M10×1.25	12	32	M6×1.0 depth9	6.6	13.5	24	11 depth11.5	21	30.5

Double acting dimension sheet

Type	H	No magnet		Magnetic Type		
		S	Z	W	S'	Z'
C□K6-□□	13	33	46	2.5	33	46
C□K10-□□	16	36	52	1	36	52
C□K16-□□	16	30	46	0	40	56
C□K20-□□	19	36	55	1	46	65
C□K25-□□	23	40	63	-1	50	73
C□K32-□□	27	42	69	-4	52	79

Single acting(Spring draw)dimension sheet

Type	H	No magnet						W	Magnetic Type					
		S			Z				S			Z'		
		5st	10st	15st	5st	10st	15st		5st	10st	15st	5st	10st	15st
C□UK6-□□S	13	38	43	48	56	61	66	2.5	38	43	48	56	61	66
C□UK10-□□S	16	41	46	56	62	72	77	1	41	46	56	62	72	77
C□UK16-□□S	16	35	40	50	56	66	76	0	45	50	60	66	76	86
C□UK20-□□S	19	41	46	56	65	75	85	1	51	56	66	75	85	95
C□UK25-□□S	23	45	50	60	73	83	93	-1	55	60	70	83	93	103
C□UK32-□□S	27	47	52	62	7	89	104	-4	57	62	72	89	99	114

Single acting(Spring extrusion)dimension sheet

Type	H			ϕ T	U	Y	No magnet						Magnetic Type						
							S			Z			W	S			Z'		
	5st	10st	15st				5st	10st	15st	5st	10st	15st		5st	10st	15st	5st	10st	15st
C□UK6-□T	23	28	33	6 depth4.8	10	10.5	38	43	48	61	71	81	2.5	38	43	48	61	71	81
C□UK10-□T	266	31	36	6 depth5	10.5	11.5	41	46	56	67	77	92	1	41	46	56	67	77	92
C□UK16-□T	26	31	41	7.5 depth6.5	12.5	15.5	35	40	50	76	86	101	0	45	50	60	76	86	101
C□UK20-□T	29	34	44	9.5 depth8	13.5	19.5	41	46	56	75	85	100	1	51	56	66	85	95	110
C□UK25-□T	33	38	48	9.5 depth9	19	24.5	45	50	60	83	93	108	-1	55	60	70	93	103	118
C□UK32-□T	37	42	57	11 depth11.5	21	30.5	47	52	62	94	104	119	-4	57	62	72	104	114	129

*SY+Stroke