

CDU Series

Free Installation Cylinder (Ø6 ~ Ø32)



Ordering Code

CDU	K	25	30	D	MT
Magnet	Type	Bore	Standard Stroke	Motion Type	Sensor
Blank: Without magnet D: With magnet	Blank: Basic type K: Non-rotating	6 20 10 25 16 32	5 30 10 40 15 50 20	D: Double acting S: Single acting (Spring-in) T: Single acting (Spring-out)	D-A93 * Standard wire length is 1 meter, please specify for other length

Stroke/Sensoric Switch Model

Bore (mm)	Standard Stroke		Stroke Length (Double Acting)	*Sensor Switch Model (Direct mounting)
	Double Acting	Single Acting		
6	5, 10, 15, 20, 25, 30	5, 10, 15,	40, 50, 60	D-A90L D-A93L D-A96L D-A80L D-F9NL D-F98L
10				
16				
20	5, 10, 15, 20, 25, 30, 40, 50	60, 70, 80, 90, 100		
25				
32				

Specification

Bore (mm)	6	10	16	20	25	32
Operating Fluid	Air					
Operation	D: Double Acting, S: Single Acting (Spring-in), T: Single Acting (Spring-out)					
Max. Operating Pressure	0.7 MPa					
Proof Pressure	1.0 MPa					
Ambient and fluid temp	5 ~ 60 °C					
Cushion	Both end with Rubber Gasket Cushion					
Lubricant	Non-lub					
Installation Type	Free (Multi- installation)					
Precision non-rotating rod	± 0.8°			± 0.5°		
Port Size	M5 x 0.8					1/8

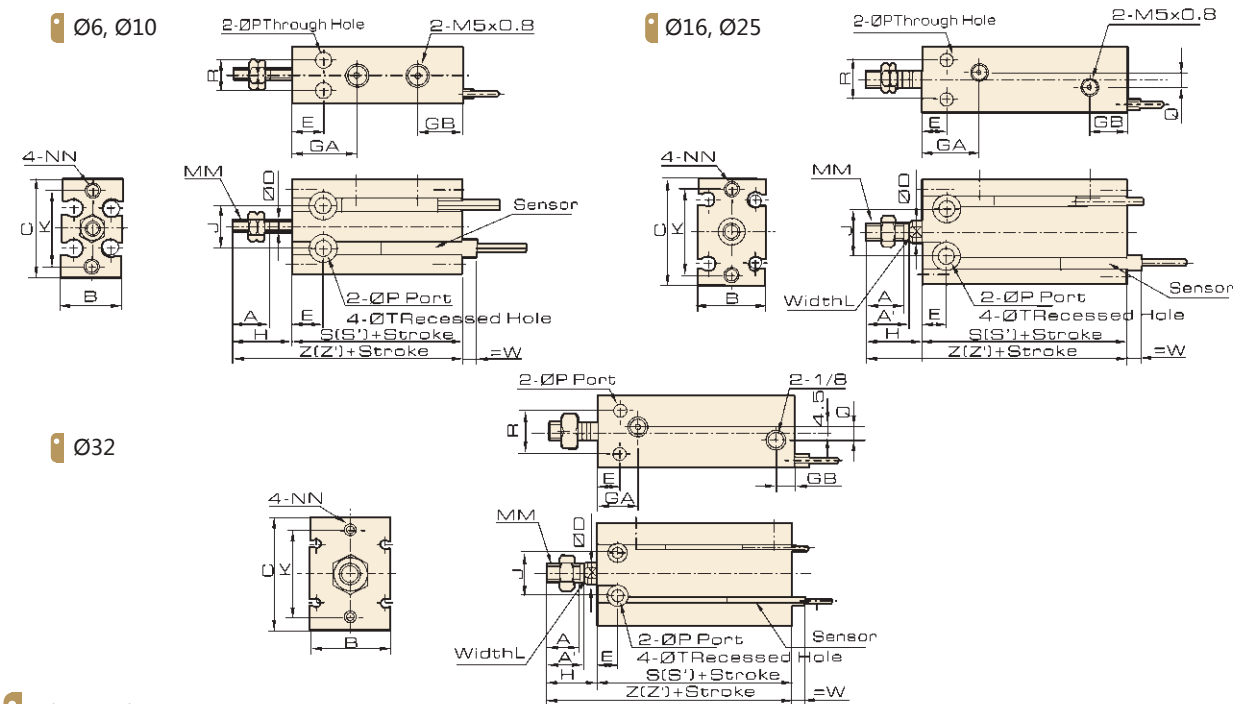
CDU Series

Free Installation Cylinder (Ø6 ~ Ø32)

ISO9001:2015 CE

Overall Dimension

CDU Double/Single Acting



Dimension

Model	A	A'	B	C	ØD	E	GA	GB	J	K	L	MM	NN	ØP	Q	R	ØT
C□U6	7	-	13	22	3	7	14.5	10	10	17	-	M3x0.5	M3x0.5deep5	3.4	-	7	6deep4.8
C□U10	10	-	15	24	4	7	15.5	10	11	18	-	M4x0.7	M3x0.5deep5	3.4	-	9	6deep5
C□U16	11	12.5	20	32	6	7	16.5	11.5	14	25	5	M5x0.8	M4x0.7deep6	4.5	4	12	7.6deep6.5
C□U20	12	14	26	40	8	9	19	12.5	16	30	6	M6x1.0	M5x0.8deep8	5.5	9	16	9.5deep8
C□U25	15.5	18	32	50	10	10	21.5	13	20	38	8	M8x1.25	M5x0.8deep8	5.5	9	20	9.5deep9
C□U32	19.5	22	40	62	12	11	23	13	24	48	10	M10x1.25	M6x1.0deep9	6.6	13.5	24	11deep11.5

Double Acting

Model	H	With Magnet					
		Basic Type			With Magnet		
		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-in)

Model	H	With Magnet														
		Basic Type						With Magnet								
		S			Z			W	S'			Z'				
		5st	10st	15st	5st	10st	15st		5st	10st	15st	5st	10st	15st		
C□U6-□D	13	38	43	48	51	56	61	2.5	38	43	48	51	56	61		
C□U10-□D	16	41	46	56	57	62	72	1	41	46	56	57	62	72		
C□U16-□D	16	35	40	50	51	56	66	0	45	50	60	61	66	76		
C□U20-□D	19	41	46	56	60	65	75	1	51	56	66	70	75	85		
C□U25-□D	23	45	50	60	68	73	83	-1	55	60	70	78	83	93		
C□U32-□D	27	47	52	62	74	79	89	-4	57	62	72	84	89	99		

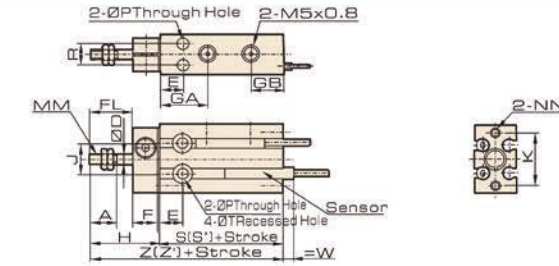
Single Acting (Spring-out)

Model	H	With Magnet													
		Basic Type			With Magnet										
		S			Z			W	S'			Z'			
		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	66
C□U10-□T	21	26	31	41	46	56	62	72	87	1	41	46	56	62	72
C□U16-□T	21	26	31	45	50	60	66	76	91	0	45	50	60	66	76
C□U20-□T	24	29	34	41	46	46	65	75	90	1	51	56	66	75	85
C□U25-□T	28	33	38	45	50	50	73	73	98	-1	55	60	70	83	108
C□U32-□T	32	37	42	47	52	52	79	79	104	-4	57	62	72	89	114

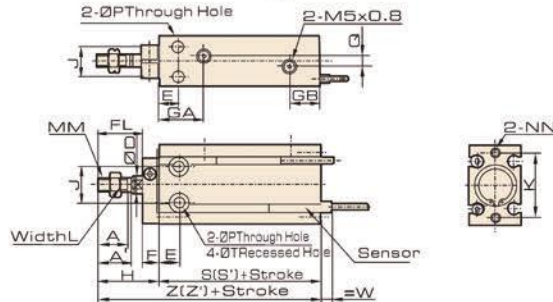
Overall Dimension

CDUK

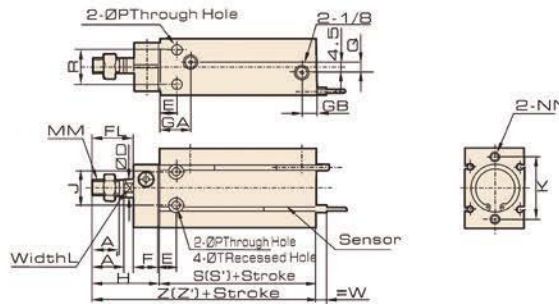
• Ø6, Ø10



• Ø16, Ø25



• Ø32



Dimension

Model	A	A'	B	C	ØD	E	F	FL	FK	FY	GA	GB	H	J	K	L	MM	NA	NB	NN	ØP	Q	R	ØT	U	Y
C□UK6	7	-	13	22	3	7	8	9	11	20.5	14.5	10	18	10	17	-	M3x0.5	6	14	M3x0.5 deep5	3.4	-	7	6 deep4.8	10	10.5
C□UK10	10	-	15	24	4	7	8	12	12	22	15.5	10	21	11	18	-	M4x0.7	7	15	M3x0.5 deep5	3.4	-	9	6 deep5	10.5	11.5
C□UK16	11	12.5	20	32	6	7	8	17	13	28	16.5	11.5	26	14	25	5	M5x0.8	6	18	M4x0.7 deep6	4.5	4	12	7.6 deep6.5	12.5	15.5
C□UK20	12	14	26	40	8	9	8	20	16	33	19	12.5	29	16	30	6	M6x1.0	8	20	M5x0.8 deep8	5.5	9	16	9.3 deep8	13.5	19.5
C□UK25	15.5	18	32	50	10	10	10	22	20	43.5	21.5	13	33	20	38	8	M8x1.25	10	28	M5x0.8 deep8	5.5	9	20	9.3 deep9	19	24.5
C□UK32	19.5	22	40	62	12	11	12	29	24	51.5	23	12.5	42	24	48	10	M10x1.25	12	32	M6x1.0 deep9	6.6	13.5	24	11 deep11.5	21	30.5

Double Acting

Model	H	Without Magnet		With Magnet		
		S	Z	W	S'	Z'
C□UK6-□D	18	33	51	2.5	33	51
C□UK10-□D	21	36	57	1	36	57
C□UK16-□D	26	30	56	0	40	66
C□UK20-□D	29	36	65	1	46	75
C□UK25-□D	33	40	73	-1	50	83
C□UK32-□D	42	42	84	-4	52	94

Single Acting (Spring-in)

Model	H	Without Magnet						With Magnet								
		S			Z			W	S'			Z'				
		5st	10st	15st	5st	10st	15st		5st	10st	15st	5st	10st	15st		
C□UK6-□D	18	38	43	48	56	61	66	2.5	38	43	48	56	61	66		
C□UK10-□D	21	41	46	56	62	67	77	1	41	46	56	62	67	77		
C□UK16-□D	26	35	40	50	61	66	76	0	45	50	60	71	76	86		
C□UK20-□D	29	41	46	56	70	75	85	1	51	56	66	80	85	95		
C□UK25-□D	33	45	50	60	78	83	93	-1	55	60	70	88	93	103		
C□UK32-□D	42	47	52	62	89	94	104	-4	57	62	72	99	104	114		

Single Acting (Spring-out)

Model	H			ØT	U	Y	Without Magnet						With Magnet								
	5st	10st	15st				S			Z			W	S'			Z'				
							5st	10st	15st	5st	10st	15st		5st	10st	15st	5st	10st	15st		
C□UK6-□T	23	28	33	6 deep 4.8	10	10.5	38	43	48	61	71	81	2.5	38	43	48	61	71	81		
C□UK10-□T	26	31	36	6 deep 5	10.5	11.5	41	46	56	67	77	92	1	41	46	56	67	77	92		
C□UK16-□T	31	36	41	7.6 deep 6.5	12.5	15.5	45	50	60	76	86	101	0	45	50	60	76	86	101		
C□UK20-□T	34	39	44	9.3 deep 8	13.5	19.5	41	46	56	75	85	100	1	51	56	66	85	95	110		
C□UK25-□T	38	43	48	9.3 deep 9	19	24.5	45	50	60	83	93	108	-1	55	60	70	93	103	118		
C□UK32-□T	47	52	57	11 deep 11.5	21	30.5	47	52	62	94	104	119	-4	57	62	72	104	114	129		