

Brackets for Compact Cylinders

Foot / Pivot Mount

Brackets for Compact Cylinders – Foot Brackets

Type	Material	Surface Treatment
CFKPB	Low Carbon Steel	Black Oxide
CFKPM	Low Carbon Steel	Electroless Nickel Plating

Dimensions when cylinder is mounted. $\phi 32$ or more

ⓁB refers to dimensions with hex socket low head cap screws.

Part Number	*A	B	d	Fd	*L ₁	Ld	LB	LP	t	LU	LJ	LM	LW	P	R	RA	U	W	LH	LL
12	50.8 (30.3)	22	4.5	10	24 (3.5)	4.5	2.8	10	2	34	29.5	17	44	15.5	16	2	8	4.5	—	—
16	52.3 (30.3)	22	4.5	12	25.5 (3.5)	4.5	2.8	10	2	38	33.5	19	48	20	19	2	8	5	—	—
20	65.2 (41.2)	29.5	6.5	14	28.5 (4.5)	6.6	4	17.5	3.2	48	42	24	62	25.5	23.5	3.2	9.2	5.8	—	—
25	72.2 (44.7)	32.5	6.5	16	32.5 (5)	6.6	4	17.5	3.2	52	46	26	66	28	26	3.2	10.7	5.8	—	—
32	78.7 (47.2)	33	6.5	—	38.5 (7)	6.6	4	17	3.2	57	19	30	71	34	3.2	3.2	11.2	5.8	57	13
40	85.2 (53.7)	39.5	6.6	—	38.5 (7)	6.6	4	23.5	3.2	64	18.5	33	78	40	3.2	3.2	11.2	7	64	13
50	92.2 (56.7)	40.5	9	—	43.5 (8)	9	5	17.5	3.2	79	21	39	95	50	3.2	3.2	14.7	8	78	14

() dimensions are for bracket mounted MSCCN (Standard Stroke Type).

Brackets for Compact Cylinders – Pivot Mount Brackets

Type	Material	Surface Treatment	Accessories
CTKB	1045 Carbon Steel or Equivalent	Black Oxide	Pin 1 pc. (1045 Carbon Steel or Equivalent Electroless Nickel Plating 40–45 HRC min.)
CTKM	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Pivot Shafts 2 pcs. (Spring Steel)

Note) Chamfer C5 is for Tube I.D. 40, C8 is for Tube I.D. 50.

Part Number	*A	B	*CL	*L ₁	Cd	CH	CS	H	Ct	CA	CQ	CB	CW	CT	CP	C	d
12	56 (45.5)	22	50.0 (39.5)	14 (3.5)	5	14	6	7	4	25	15.5	5	10	—	12	C2	4.5
16	58.5 (46.5)	22	52.5 (40.5)	15.5 (3.5)	5	15	6	10	4	29	20	6.5	12	—	14	C2	4.5
20	75 (61)	29.5	66.0 (52.0)	18.5 (4.5)	8	18	9	12	5	36	25.5	8	16	—	20	C3	6.5
25	85 (67.5)	32.5	75.0 (57.5)	22.5 (5)	10	20	10	14	5	40	28	10	20	—	24	C3	6.5
32	91.5 (70)	33	81.5 (60.0)	28.5 (7)	10	20	10	14	5	45	34	18	36	20	—	—	6.5
40	100 (78.5)	39.5	90 (68.5)	28.5 (7)	10	22	10	14	6	52	40	18	36	20	—	C5	6.5
50	116 (90.5)	40.5	102 (76.5)	33.5 (8)	14	28	14	20	7	64	50	22	44	28	—	C8	8.5

() dimensions are for bracket mounted MSCCN (Standard Stroke Type).

Accessories of U-Shaped Crevice Brackets

No.	D ₀₉	d	L ₂	L ₃	N	M	Retaining Ring
12	5	-0.030 -0.060	4.8 -0.04	10.2 14.6	2.2	0.7 +0.10 0	C Type for Shaft 5
16	8	-0.040 -0.076	7.6 -0.06	16.2 21	2.4	0.9 +0.10 0	C Type for Shaft 8
25	10	-0.040 -0.076	9.6 -0.09	20.2 25.6	2.7	1.15 +0.14 0	C Type for Shaft 10
32	14	-0.050 -0.093	13.4 -0.11	44.2 50.6	3.2	—	C Type for Shaft 14

Part Number Example: **CFKPB32**, **CTKB20**

Brackets for Compact Cylinders / Cylinder Trunnion Plates

L-Shaped / T-Shaped / Standard / Configurable

Brackets for Compact Cylinders

Type	Material	Surface Treatment
L-Shaped MSCLB	General Structural Steel	Black Oxide
T-Shaped MSCTB	General Structural Steel	Black Oxide

Hole Selection

Hole Type	Through Hole	Tapped Hole (Coarse)
Code	N	M
Shape		
Machining Specs	Dimension: d	Nominal Diameter: 3, 5, 6

L-Shaped

Part Number	H	Hole Selection	A	B	L	T	F	D	S	V	d
12	25-40	M Tapped Hole N Through Hole	13	18	27	6	15.5	15.5	12	15	5.5
16	26-40		15	18	31	6	20	21	12	20	5.5
20	33-50		18	22	38	8	25.5	14	15	25	6.5
25	35-50		20	22	42	8	28	16	15	30	6.5
32	42-55		23	25	47	10	34	22	18	32	9
40	45-60		26	25	54	10	40	29	18	40	9
50	51-65	32	32	66	10	50	36	18	50	9	

T-Shaped

Part Number	H	Hole Selection	A	L	P	F	L ₁	D	T	S	d
12	20-50	M Tapped Hole N Through Hole	13	50	38	15.5	26	15.5	10	10	5.5
16	20-50		15	50	40	20	30	21	10	10	5.5
20	25-60		18	65	50	25.5	36	14	12	15	6.5
25	25-60		20	75	60	28	40	16	12	15	6.5
32	30-70		23	75	60	34	46	22	12	15	6.5
40	30-70		26	100	82	40	52	29	16	16	9
50	35-80	32	100	82	50	64	36	16	16	9	

Part Number Example: **MSCLB16 - H30 - N3**, **MSCTB40 - H60 - M5**

Cylinder Trunnion Plates for Compact Cylinders

Type	Material	Surface Treatment
Standard CYPN	1018 Carbon Steel or Equivalent	Black Oxide
Configurable CYPF	1018 Carbon Steel or Equivalent	Black Oxide

Hole Selection

Hole Type	Through Hole	Tapped Hole (Coarse Thread)
Code	N	M
Shape		

Part Number	S	W	A	H	B	F	Mounting Hole	G	T	D	Applicable Cylinder Tube I.D.
12	19	19-29	16	40	30	15.5	M3 (Coarse Thread)	6	9	5	012
16	21	21-31	21	42	30	20					016
20	27	27-37	25	52	38	25.5	M5	8	12	6	020
25	29	29-39	28	57	44	28					025
32	35	35-45	32	66	50	34					032
40	40	40-50	42	75	55	40					040
50	50	50-60	54	95	65	50	M6	9	17	19	050
63	60	60-70	62	111	80	60					M8

Ⓛ No. 12 is only available for CYPF.
Ⓛ No. 16 and 63 are only available for CYPN and CYPF.

Part Number Example: **CYPN32**, **CYPF50 - S55 - W19**

Application Example: **MSCLB**, **Compact Cylinder MSCCN (P.3586)**, **Hinge Plate HPAN (P.3583)**, **CYPN**