

Brackets for Compact Cylinders

Brackets for Compact Cylinders / Cylinder Trunnion Plates

L-Shaped / T-Shaped

Fixed / Configurable

Foot Brackets

Type	Material	Surface Treatment
CFKPB	EN 1.0330	Black Oxide
CFKPM	Equiv.	Electroless Nickel Plating

Dimensions when cylinder is mounted. $\frac{25}{\sqrt{3}}$ or More

RoHS 10

LB refers to dimensions with hex socket low head cap screws.

Part Number	Type	Tube I.D. (mm)	*A	B	d	Fd	*L1	Ld	LB	LP	t	LU	LJ	LM	LW	P	R	RA	U	W	LH	LL	Unit Price			
																							CFKPB	CFKPM		
12		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		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		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		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		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		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		50	92.2(56.7)	40.5	6	-	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).

U-Shaped Clevis Mount Brackets

Type	Material	Surface Treatment	Accessory
CTKB	EN 1.1191	Black Oxide	Pin 1 pc. (EN 1.1191 Equiv. Electroless Nickel Plating 40 ~ 45HRC)
CTKM	Equiv.	Electroless Nickel Plating	Pivot Shafts 2 pcs. (Spring Steel)

Dimensions when cylinder is mounted.

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

RoHS 10

Part Number	Type	Tube I.D. (mm)	*A	B	*CL	*L1	Cd	CH	CS	H	Ct	CA	CQ	CB	CW	CT	CP	C	d	Unit Price	
																				CTKB	CTKM
12		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		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		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		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		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		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		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).

Ordering Example

Part Number

CFKPB32

CFKPB20

Accessories of U-Shaped Clevis Brackets

No.	D ₉	d	L ₂	L ₃	N	M	Retaining Ring
12	5	4.8	10.2	14.6	2.2	0.7	C Type for Shaft 5
16	5	4.8	12.2	16.6	2.2	0.7	C Type for Shaft 5
20	8	7.6	16.2	21	2.4	0.9	C Type for Shaft 8
25	8	7.6	20.2	25.6	2.4	0.9	C Type for Shaft 8
32	10	9.6	36.2	41.6	2.7	1.15	C Type for Shaft 10
40	10	9.6	36.2	41.6	2.7	1.15	C Type for Shaft 10
50	14	13.4	44.2	50.6	3.2	1.15	C Type for Shaft 14

Brackets for Compact Cylinders

Type	Material	Surface Treatment
L-Shaped	EN 1.0038 Equiv.	Black Oxide
T-Shaped	EN 1.0038 Equiv.	Black Oxide

Hole Selection

RoHS 10

L-Shaped

Part Number	Type	Tube I.D. (mm)	H 1mm Increment	Hole Selection		a	B	L	T	F	D	S	V	d	Unit Price
				Selection	Nominal Dia.										
MSCLB	(Tapped Hole)	12	25-40	M	3	13	18	27	6	15.5	15.5	12	15	5.5	-
		16	26-40			15	31	20	21	20	-	-			
		20	33-50			18	38	25.5	14	25	6.5	-			
		25	35-50			20	42	28	16	30	-	-			
		32	42-55			23	47	34	22	32	-	-			
	(Through Hole)	40	45-60	N	5	26	25	54	10	40	29	18	40	9	-
		50	51-65			32	66	50	36	50	-	-			

T-Shaped

Part Number	Type	Tube I.D. (mm)	H 1mm Increment	Hole Selection		a	L	P	F	L1	D	T	S	d	Unit Price
				Selection	Nominal Dia.										
MSCTB	(Tapped Hole)	12	20-50	M	3	13	50	38	15.5	26	15.5	10	10	5.5	-
		16	20-50			15	40	20	30	21	-	-			
		20	25-60			18	65	50	25.5	36	14	-	-		
		25	25-60			20	28	40	16	-	-	-			
		32	30-70			23	75	60	34	46	22	12	15	6.5	-
	(Through Hole)	40	30-70	N	5	26	65	40	52	29	-	-	-	-	-
		50	35-80			32	100	82	50	64	36	16	9	-	

Part Number - H - Hole Selection

MSCLB16 - H30 - N3

MSCTB40 - H60 - M5

Cylinder Trunnion Plates

Type	Material	Surface Treatment
Fixed	EN 1.0038 Equiv.	Black Oxide
Configurable	EN 1.0038 Equiv.	Black Oxide

Hole Selection

RoHS 10

Part Number	Type	No.	S		W		A		H		B	F	G	T	d	Applicable Cylinder Tube I.D.	Tapped Hole		Through Hole		
			Fixed	Configurable	Fixed	Configurable	Fixed	Configurable	Fixed	Configurable							Unit Price	Volume	Unit Price	Volume	
CYPN	Fixed	12	19	19-29	10	8-10	16	40	H+15	25	S+6	30	15.5	9	5	Ø12	-	-	-	-	
		16	21	21-31			21	42	H+18	34	27	38	25.5	M3	-	6	9	Ø16	-	-	-
		20	27	27-37			25	52	H+21	36	S+7	44	28	M5	6.5	8	12	6	Ø20	-	-
	Configurable	25	29	29-39	12	10-12	28	57	H+23	43	S+8	50	34	12	16	8	Ø25	-	-	-	
		32	35	35-45			42	66	H+26	49	S+9	55	40	M6	9	17	10	Ø32	-	-	-
		40	40	40-50			42	75	H+26	49	S+9	55	40	M8	-	19	12	Ø40	-	-	-
CYPF	Configurable	50	50	50-60	19	12-19	54	95	H+33	62	S+12	80	60	19	12	Ø50	-	-	-		
		60	60	60-70			62	111	H+39	72	S+12	80	60	M8	-	20	19	12	Ø63	-	-

Ordering Example

Part Number - S - W

CYPN32

CYPF50 - S55 - W19

Example

MSCCLB

Compact Cylinder MSCCS (P.1486)

Hinge Plate HPAN (P.1570)