

Brackets for Compact Cylinders

Brackets for Compact Cylinders / Cylinder Trunnion Plates

L-Shaped / T-Shaped

Fixed / Configurable

Foot Brackets

Type	Material	Surface Treatment
CFKPB	SPCC	Black Oxide
CFKPM	SPCC	Electroless Nickel Plating

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	S45C	Black Oxide	Pin 1 pc. (S45C Electroless Nickel Plating 40 ~ 45HRC)
CTKM	S45C	Electroless Nickel Plating	Pivot Shafts 2 pcs. (Spring Steel)

RoHS 10

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

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 ₀₉	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	8	7.6	12.2	16.6	2.4	0.9	C Type for Shaft 8
20	10	9.6	20.2	25.6	2.7	1.15	C Type for Shaft 10
32	14	13.4	44.2	50.6	3.2	-	C Type for Shaft 14

Brackets for Compact Cylinders

Type	Material	Surface Treatment
L-Shaped	SS400	Black Oxide
T-Shaped	SS400	Black Oxide

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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	26	54	40	29	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	75	60	28	40	16	-	-		
		32	30-70			23	82	64	46	22	12	15	6.5	-	
	(Through Hole)	40	30-70	26	90	65	40	29	12	15	6.5	-	-	-	-
		50	35-80	32	100	82	50	64	16	-	-	-	-	-	-

Part Number - H - Hole Selection

MSCLB16 - H30 - N3

MSCTB40 - H60 - M5

Cylinder Trunnion Plates

Type	Material	Surface Treatment
Fixed	Steel for General Structure	Black Oxide
Configurable	Steel for General Structure	Black Oxide

RoHS 10

Part Number	Type	No.	S		W		A		H		B	F	Mounting Hole	G	T	d	Applicable Cylinder Tube I.D.	Tapped Hole		Through Hole	
			Fixed	Configurable	Fixed	Configurable	Fixed	Configurable	Fixed	Configurable								Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
CYPN	Fixed	12	19	19-29	10	8-10	16	40	H+15	25	S+6	30	M3	6	9	5	Ø12	-	-	-	-
		16	21	21-31	12	10-12	21	42	H+18	34	S+7	38	M3	8	12	6	Ø16	-	-	-	-
		20	27	27-37	12	10-12	25	52	H+18	34	S+7	38	M3	8	12	6	Ø20	-	-	-	-
	Configurable	25	29	29-39	16	10-16	28	57	H+21	36	S+9	44	M5	6.5	12	6	Ø25	-	-	-	-
		32	35	35-45	16	10-16	32	66	H+23	43	S+8	50	M5	12	16	8	Ø32	-	-	-	-
		40	40	40-50	16	10-16	42	75	H+26	49	S+9	55	M5	14	16	10	Ø40	-	-	-	-
CYPF	Configurable	50	50	50-60	19	12-19	54	95	H+33	62	S+12	65	M6	9	17	12	Ø50	-	-	-	-
		60	60	60-70	19	12-19	62	111	H+39	72	S+12	80	M8	20	19	12	Ø63	-	-	-	-

Ordering Example

Part Number - S - W

CYPN32

CYPF50 - S55 - W19

Example

MSCLB

Compact Cylinder MSCCS (P.1486)

Hinge Plate HPAN (P.1570)