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Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922) 49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Ижевск (3412)26-03-58
Иваново (4932)77-34-06
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
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Липецк (4742)52-20-81

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Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
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Новосибирск (383)227-86-73
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Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

Россия (495)268-04-70

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
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Самара (846)206-03-16
Саранск (8342)22-96-24
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Саратов (845)249-38-78
Севастополь (8692)22-31-93
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Ставрополь (8652)20-65-13
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Тамбов (4752)50-40-97

Казахстан (772)734-952-31

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

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Стандартные гидравлические цилиндры L-2 серии FA, FB, LA, LB, CA, CB, TC, TA

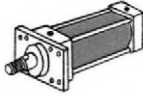
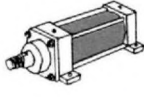
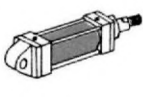
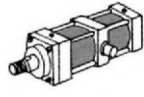
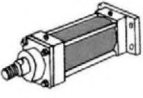
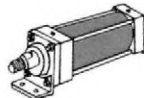
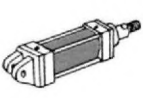
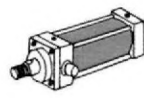
HYDRAULIC CYLINDERS



■ FEATURE:

1. These tubes are made of carbon steel ASTM A-5 13/5 (grade AISI 1026) or DIN 2393 (grade star DOM 520) and honed by precise honing machine: I.D. Surface roughness Ra max. 0.8 micron; I.D. Tolerance ISO H8/H9; straightness 1/1000 min.
2. Rods are made of steel S45C and surface is grind-processed and chrome-plated. Deposit hardness is Hv1000. Very high abrasive and corrosive resistance.
3. Oil seal, wearing and O-ring made from high quality materials, results in wear-proof, leakage-free, accurate and long-life using performances.
4. Specifications are made to international standards. It is easy to replace parts with other brands' products.
5. Wide and completed product ranges: Except standard specifications, custom-made special configurations and specifications for any purposes are available.

■ MOUNTING CONFIGURATIONS:

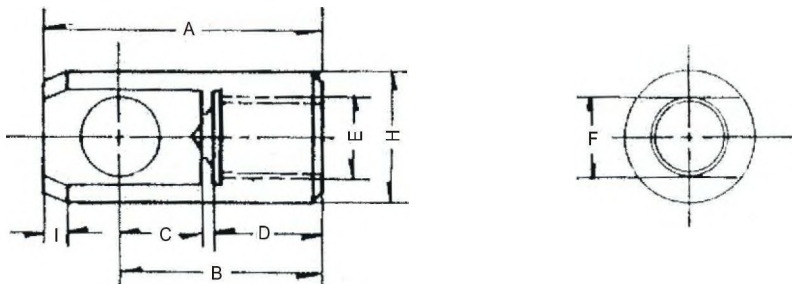
			
FA TYPE	LA TYPE	CA TYPE	TC TYPE
			
FB TYPE	LB TYPE	CB TYPE	TA TYPE

■ CYLINDER OUTPUT DATA (kgf/lbf):

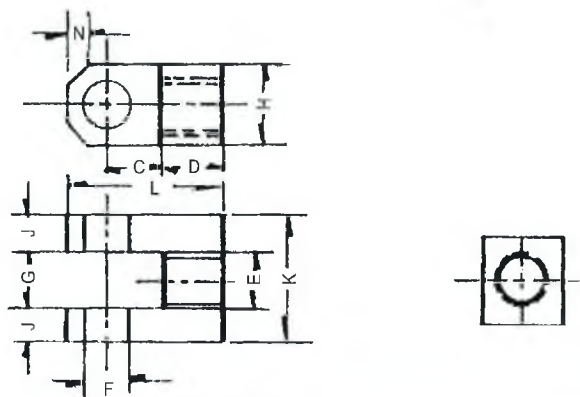
Tube Bore Ø (mm)	Rod Dia. Ø (mm)	Working Pressure (kgf/cm ² /psi)																	
		20/285		30/430		50/700		70/1000		100/1400		120/1700		140/2000		160/2300		210/3000	
		in	out	in	out	in	out	in	out	in	out	in	out	in	out	in	out	in	out
40	20	188 (414)	252 (555)	282 (621)	378 (833)	470 (1033)	630 (1388)	658 (1449)	882 (1943)	940 (2070)	1260 (2775)	1128 (2485)	1512 (3330)	1316 (2899)	1764 (3885)	1504 (3313)	2016 (4441)	1974 (43480)	2646 (5828)
50	25	294 (648)	392 (863)	441 (971)	558 (1295)	435 (958)	980 (2159)	1029 (2267)	1372 (3022)	1470 (3238)	1960 (4317)	1764 (3885)	2352 (5181)	2058 (4533)	2744 (6044)	2352 (5181)	3136 (6907)	3087 (6800)	4116 (9068)
63	30	482 (1062)	624 (1374)	723 (1593)	936 (2062)	1205 (2654)	1560 (3436)	1687 (3716)	2184 (4811)	2410 (5308)	3120 (6872)	2890 (6366)	3744 (8247)	3374 (7432)	4368 (9621)	3856 (8493)	4992 (10996)	5061 (11148)	6552 (14432)
80	40	754 (1661)	1006 (2216)	1131 (2491)	1509 (3324)	1885 (4152)	2515 (5540)	2633 (5800)	3521 (7756)	3770 (8304)	5030 (11079)	4524 (9965)	636 (1401)	5278 (11626)	7042 (15511)	6032 (13286)	8248 (18167)	7917 (17438)	10563 (23267)
100	50	1178 (2595)	1570 (3458)	1767 (3892)	2356 (5189)	2946 (6489)	3927 (8650)	4124 (9084)	5498 (12110)	5891 (12976)	7854 (17300)	7069 (15570)	9425 (20760)	8247 (18165)	1100 (2423)	9425 (20760)	12566 (27678)	12370 (27247)	16493 (36328)
120	60	1889 (4161)	2454 (5405)	2833 (6240)	3682 (8112)	4722 (10401)	6136 (13515)	6611 (14562)	8590 (18921)	9444 (20802)	12272 (27031)	11333 (24963)	14736 (32458)	13222 (29123)	17180 (37841)	15110 (33282)	19635 (43249)	19830 (43678)	25770 (56762)
150	70	2764 (6088)	3534 (7784)	4147 (9134)	5301 (11676)	6911 (15222)	8835 (19460)	9675 (21311)	12369 (27244)	13822 (30445)	17670 (38921)	16586 (36533)	21204 (46705)	19351 (42623)	24738 (54489)	22115 (48711)	28272 (62273)	29026 (63934)	37107 (81872)
180	80	4084 (8996)	5089 (11209)	6126 (13493)	7634 (16815)	10210 (22489)	12724 (28026)	14295 (31487)	17813 (39236)	20421 (44980)	25447 (56051)	24505 (53976)	30536 (67260)	28589 (62971)	35626 (78471)	32674 (71969)	40715 (89681)	42884 (94558)	53439 (117707)
200	100	4712 (10379)	6283 (13839)	7067 (15566)	9425 (20760)	11781 (25949)	15708 (34599)	16493 (36328)	21991 (48438)	23562 (51899)	31416 (69198)	28274 (62278)	37699 (83037)	32987 (72659)	43982 (96877)	37699 (83037)	50266 (110718)	49480 (108987)	65974 (145317)
250	140	6739 (14844)	9018 (19863)	10108 (22264)	14726 (32436)	16847 (37108)	22544 (49656)	23586 (51952)	31562 (69520)	33694 (74216)	49088 (108123)	40433 (89059)	58906 (129749)	47172 (103903)	68723 (151372)	53910 (118744)	72141 (158901)	70757 (155852)	94685 (208557)
300	180	9048 (19930)	14137 (31139)	13572 (29894)	21206 (46709)	22620 (49824)	35343 (77848)	31667 (69751)	49480 (108987)	45239 (99645)	70686 (155696)	54187 (119355)	84823 (186835)	63335 (139504)	98960 (217974)	72382 (159432)	113097 (249112)	95002 (209256)	118440 (260881)

■ ACCESSORIES:

I Type Adapter



Y Type Adapter



Unit:mm/(in)

Tube Bore Ø(mm)	A	B	C	D	E (mm)	ØF	G	H	I	J	K	L	N
40	66 (2.598)	50 (1.969)	20 (0.787)	25 (0.984)	M18XP1.5 M22XP1.5	16 (0.630)	16 (0.630)	30 (1.181)	5 (0.197)	7 (0.276)	30 (1.181)	66 (2.598)	8 (0.315)
50	75 (2.953)	55 (2.165)	25 (0.984)	30 (1.181)	M22XP1.5 M26XP1.5	20 (0.787)	20 (0.787)	40 (1.575)	7 (0.276)	10 (0.394)	40 (1.575)	75 (2.953)	10 (0.394)
63	80 (3.152)	60 (2.362)	25 (0.984)	30 (1.181)	M26XP1.5 M30XP1.5	20 (0.787)	20 (0.787)	40 (1.575)	9 (0.354)	10 (0.394)	40 (1.575)	80 (3.150)	15 (0.591)
80	105 (4.134)	75 (2.953)	35 (1.378)	40 (1.575)	M30XP1.5 M35XP1.5	30 (1.181)	30 (1.181)	60 (2.362)	9 (0.354)	15 (0.591)	60 (2.362)	105 (4.134)	15 (0.591)
100	130 (5.118)	90 (3.543)	40 (1.575)	50 (1.969)	M40XP1.5 M45XP1.5	40 (1.575)	40 (1.575)	80 (3.150)	12 (0.472)	20 (0.787)	80 (3.150)	130 (5.118)	15 (0.591)
125	155 (6.102)	105 (4.134)	50 (1.969)	55 (2.165)	M45XP1.5 M50XP2	50 (1.969)	50 (1.969)	100 (3.937)	15 (0.591)	25 (0.984)	100 (3.937)	155 (6.102)	20 (0.787)
150	170 (6.693)	120 (4.724)	55 (2.165)	65 (2.598)	M50XP2 M60XP2	50 (1.969)	50 (1.969)	100 (3.937)	20 (0.787)	25 (0.984)	100 (3.937)	170 (6.693)	20 (0.787)
180	195 (7.677)	135 (5.315)	65 (2.598)	70 (2.756)	M60XP2 M70XP2	60 (2.362)	60 (2.362)	120 (4.724)	25 (0.984)	30 (1.181)	120 (4.724)	195 (7.677)	25 (0.984)
200	280 (11.024)	200 (7.874)	90 (3.543)	80 (3.150)	M70XP2 M90XP2	80 (3.150)	80 (3.150)	150 (5.906)	30 (1.181)	35 (1.378)	150 (5.906)	280 (11.024)	30 (1.181)
224	330 (12.992)	230 (9.055)	105 (4.134)	90 (3.543)	M90XP2 M100XP2	100 (3.937)	100 (3.937)	200 (7.874)	30 (1.181)	50 (1.969)	200 (7.874)	330 (12.992)	30 (1.181)
250	330 (12.992)	230 (9.055)	105 (4.134)	90 (3.543)	M100XP2 M110XP2	100 (3.937)	100 (3.937)	200 (7.874)	30 (1.181)	50 (1.969)	200 (7.874)	330 (12.992)	30 (1.181)

Floating Connectors:

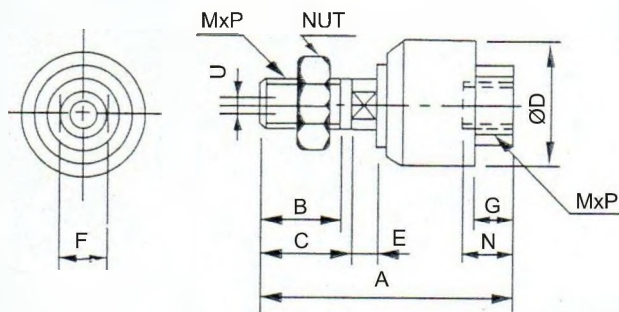
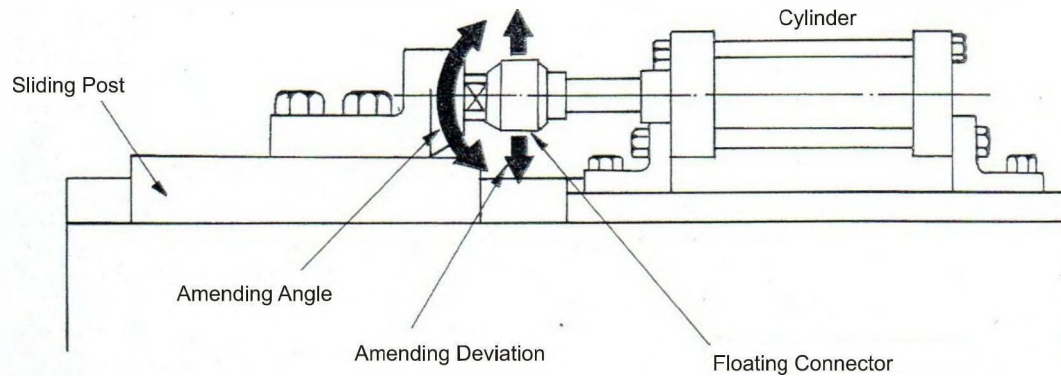


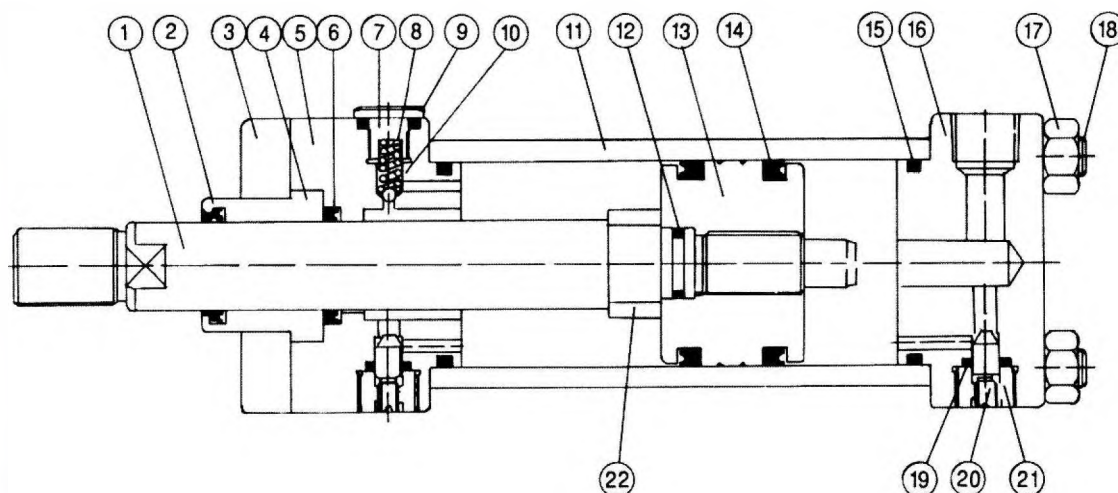
Fig 1

Fig 2

Unit:mm/(in)

Model	Tube BoreØ(mm)	MXP(mm)	A	B	C	D	E	F	G	H	N	Tolerance	Illustration
FC-1008	20	M8X1.25	50	18 (1.969)	20 (0.709)	24 (0.787)	4 (0.945)	8 (0.157)	7 (0.315)	13 (0.276)	8 (0.512)	0.5 (0.315)	Fig.-1 (0.0197)
FC-1010	25.30	M10X 1.25	58	20 (2.283)	22 (0.787)	26 (0.866)	5 (1.024)	10 (0.197)	8 (0.394)	17 (0.315)	9 (0.669)	0.75 (0.354)	Fig.-1 (0.0295)
FC-1012	40	M12X 1.25	58	21.5 (2.283)	22 (0.846)	28 (1.102)	5 (1.02)	12 (0.197)	8 (0.472)	17 (0.315)	9 (0.669)	0.75 (0.354)	Fig.-1 (0.0295)
FC-1014	40	M14X1.5	70	22.5 (2.756)	23 (0.886)	35 (0.906)	7 (1.378)	14 (0.276)	11 (0.551)	22 (0.433)	13 (0.866)	1 (0.512)	Fig.-1 (0.0394)
FC-1016	50.63	M16X1.5	90	27 (3.543)	28 (1.063)	45 (1.102)	9 (1.772)	17 (0.354)	12 (0.669)	27 (0.472)	14 (1.063)	1.25 (0.551)	Fig.-1 (0.0492)
FC-1018	50.63	M18X1.5	90	27 (3.543)	28 (1.063)	45 (1.102)	9 (1.772)	17 (0.354)	12 (0.669)	27 (0.472)	15 (0.541)	1.25 (0.551)	Fig.-1 (0.0492)
FC-1020	80	M20X1.5	102	29 (4.016)	32 (1.142)	53 (2.087)	10 (3.087)	22 (0.394)	14 (0.866)	33 (0.551)	18 (1.299)	2 (0.709)	Fig.-2 (0.0787)
FC-1022	80	M22X1.5	102	29 (4.016)	32 (1.142)	53 (2.087)	10 (3.087)	22 (0.394)	14 (0.866)	33 (0.551)	18 (1.299)	2 (0.709)	Fig.-2 (0.0787)
FC-1024	100	M24X1.5	124	35 (4.882)	38 (1.378)	61 (1.496)	12 (2.402)	26 (0.472)	22 (1.024)	41 (0.866)	24 (1.614)	2.5 (0.945)	Fig.-2 (0.0984)
FC-1026	100	M26X1.5	124	35 (4.882)	38 (1.378)	61 (1.496)	12 (2.402)	26 (0.472)	22 (1.024)	41 (0.866)	24 (1.614)	2.5 (0.945)	Fig.-2 (0.0984)

■ CROSS-SECTIONAL CHARTS:



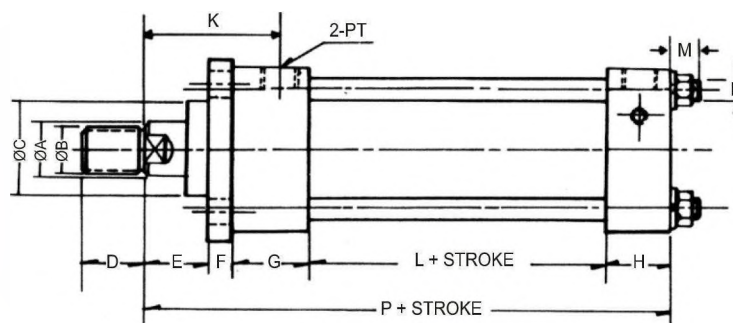
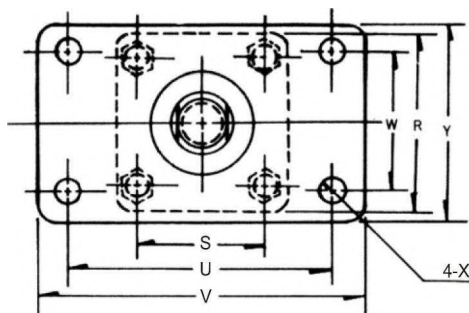
Item No.	Part Descriptions	Materials	Q'ty	Item No.	Part Descriptions	Materials	Q'ty
1	Rod	S45C	1	12	O-ring-2	NBR	1
2	Dust-proof oil seal	Synthetic resin	1	13	Piston	KCD	1
3	Follower plate	SS41	1	14	Piston oil seal	Synthetic resin	2
4	Sleeve	Bronze	1	15	O-ring-3	NBR	2
5	Front cover	SS41	1	16	Rear cover	SS41	1
6	Oil seal	Synthetic resin	1	17	Nut	S45C	8
7	Plug	S45C	2	18	Bolt	S45C	4
8	Spring	SUB	2	19	O-ring-4	NBR	2
9	O-ring-1	NBR	2	20	Cushion adjuster	SCM3	2
10	Steel ball	Bearing Steel	2	21	Plug	S45C	2
11	Tube	STKM13C	1	22	Cushion ring	S45C	1

Descriptions Tube Bore Q'ty	2.Dust-Proof Oil Seal		6 Oil Seal		9	12	14	15	19
	C Rod Dia.	B Rod Dia.	C Rod Dia.	B Rod Dia.	O-ring-1	O-ring-2	Piston Oil Seal	O-ring-3	O-ring-4
	1	1	1	1	2	1	2	2	2
Ø40	DSI-20	DSI-25	DSI-20	DSI-25	P12	P14	USI-30	G35	P8
Ø50	DSI-25	DSI-30	DSI-25	DSI-30	P12	P16	USI-40	G45	P8
Ø63	DSI-30	DSI-35	DSI-30	DSI-35	P12	P18	USI-53	G55	P8
Ø80	DSI-35	DSI-40	DSI-35	DSI-40	P12	P21	USI-71	G75	P8
Ø100	DSI-45	DSI-50	DSI-45	DSI-50	P12	G35	USI-85	G95	P8
Ø125	DSI-50	DSI-60	DSI-50	DSI-60	P12	G40	OSI-125	G95	P8
Ø150	DSI-60	DSI-70	DSI-60	DSI-70	P16	G45	OSI-140	G135	P10
Ø180	DSI-70	DSI-80	DSI-70	DSI-80	P16	G55	OSI-160	G150	P10
Ø200	DSI-80	DSI-100	DSI-80	DSI-100	P16	G60	OSI-180	G170	P10
Ø224	DSI-100	DSI-110	DSI-100	DSI-110	P16	G70	OSI-200	G190	P10
Ø250	DSI-110	DSI-125	DSI-110	DSI-125	P16	G80	OSI-250	G240	P10

●規格修改，本公司不另行通知
●Specification is subjected to change without notice.

STANDARD HYDRAULIC CYLINDERS

FA TYPE



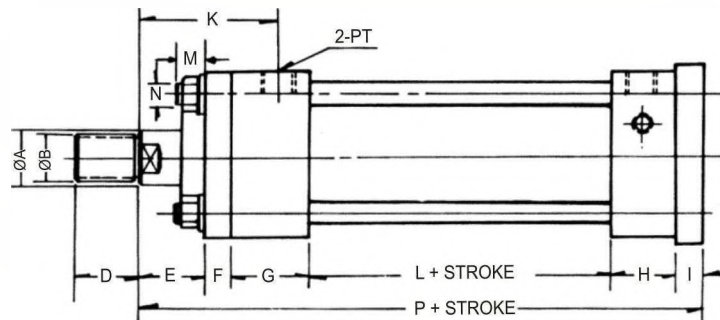
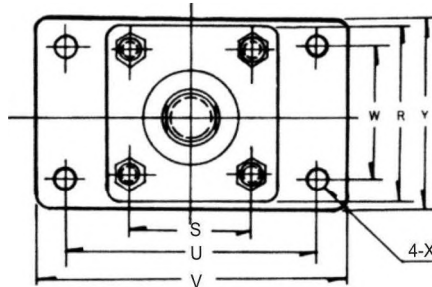
Tube Bore Ø(mm)	Rod Dia. Ø(mm)	Body Dimensions mm(inch)														Mounting Dimensions mm(inch)							
		A	B(mm)	D	E	F	G	H	K	L	M	N(mm)	P	R	S	PT	I	C	U	V	W	X	Y
40	C	20(0.787)	M18P1.5	25(0.984)	20	11	36	26	54	50	13	M10	143	65	45	1/4"	11	35(1.398)	95	118	46	11	69
	B	25(0.984)	M22P1.5	30(1.181)	(0.787)	0.433	(1.417)	(1.024)	(2.126)	(1.969)	(0.512)	P1.5	(5.630)	(2.559)	(1.792)		(0.433)	40(1.575)	(3.740)	(4.646)	(1.811)	(0.433)	(2.717)
50	C	25(0.984)	M22P1.5	30(1.181)	30	13	42	34	68	50	13	M10	169	75	52	3/8"	13	40(1.575)	115	145	58	13	85
	B	30(1.181)	M26P1.5	35(1.378)	(1.181)	0.512	(1.654)	(1.339)	(2.677)	(1.969)	(0.512)	P1.5	(6.654)	(2.953)	(2.047)		(0.512)	45(1.792)	(4.528)	(5.709)	(2.283)	(0.512)	(3.346)
63	C	30(1.181)	M26P1.5	35(1.378)	35	15	42	34	75	50	15	M12	176	90	63	3/8"	15	45(1.792)	132	165	69	15	98
	B	35(1.378)	M30P1.5	40(1.575)	(1.378)	0.591	(1.654)	(1.339)	(2.953)	(1.969)	(0.591)	P1.75	(6.929)	(3.543)	(2.480)		(0.591)	50(1.969)	(5.197)	(6.496)	(2.717)	(0.591)	(3.858)
80	C	35(1.378)	M30P1.5	40(1.575)	35	18	46	40	79	50	17	M16	189	110	80	1/2"	18	50(1.969)	155	190	87	18	118
	B	40(1.575)	M35P1.5	45(1.792)	(1.378)	0.709	(1.811)	(1.575)	(3.110)	(1.969)	(0.669)	P1.5	(7.441)	(4.331)	(3.150)		(0.709)	55(2.165)	(6.102)	(7.480)	(3.425)	(0.709)	(4.646)
100	C	45(1.792)	M40P1.5	45(1.792)	40	20	50	40	90	69	19	M18	219	135	98	1/2"	20	60(2.362)	185	224	109	20	145
	B	50(1.976)	M45P1.5	55(2.165)	(1.575)	0.787	(1.969)	(1.575)	(3.543)	(2.717)	(0.748)	P1.5	(8.622)	(5.315)	(3.858)		(0.787)	65(2.559)	(7.283)	(8.819)	(4.291)	(0.787)	(5.709)
125	C	50(1.969)	M45P1.5	55(2.165)	45	24	58	48	104	69	21	M22	244	165	122	3/4"	24	65(2.559)	224	272	132	24	175
	B	60(2.362)	M50P2	65(2.559)	(1.792)	0.945	(2.283)	(1.890)	(4.094)	(2.717)	(0.827)	P1.5	(9.606)	(6.496)	(4.803)		(0.945)	75(2.953)	(8.819)	(10.709)	(5.197)	(0.945)	(6.890)
150	C	60(2.362)	M50P2	60(2.362)	50	28	58	48	113	69	23	M24	253	195	148	3/4"	28	75(2.953)	265	315	155	28	206
	B	70(2.759)	M60P2	80(3.150)	(1.969)	1.102	(2.283)	(1.890)	(4.449)	(2.717)	(0.906)	P1.5	(9.961)	(7.677)	(5.827)		(1.102)	85(3.346)	(10.433)	(12.402)	(6.102)	(1.102)	(8.110)
180	C	70(2.759)	M60P2	110(4.331)	55	33	68	58	127	80	25	M30	295	235	182	1"	33	85(3.346)	315	375	185	33	243
	B	80(3.150)	M70P2	140(5.512)	(2.165)	1.299	(2.677)	(2.283)	(5.000)	(3.150)	(0.984)	P1.5	(11.614)	(9.252)	(7.165)		(1.299)	100(3.937)	(12.402)	(14.202)	(7.283)	(1.299)	(9.567)
200	C	80(3.150)	M70P2	120(4.724)	55	37	68	58	137	80	27	M32	298	262	200	1"	37	100(3.937)	355	425	206	36	272
	B	100(3.937)	M90P2	150(5.906)	(2.165)	1.457	(2.677)	(2.283)	(5.394)	(3.150)	(1.063)	P2.0	(11.732)	(10.315)	(7.874)		(1.457)	120(4.724)	(13.976)	(16.732)	(8.110)	(1.417)	(10.709)
224	C	100(3.937)	M90P2	140(5.512)	60	41	68	58	146	80	29	M32	307	292	225	1"	41	120(4.724)	395	475	230	42	310
	B	110(4.331)	M100P2	180(7.087)	(2.362)	(1.614)	(2.677)	(2.283)	(5.748)	(3.150)	(1.142)	P2.0	(12.087)	(11.496)	(8.858)		(1.614)	130(5.118)	(15.551)	(18.701)	(9.055)	(1.654)	(12.205)
250	C	110(4.331)	M100P2	150(5.906)	65	46	68	58	169	90	31	M38	327	325	250	1 1/4"	46	130(5.118)	425	515	250	45	335
	B	125(4.980)	M110P2	195(7.480)	(2.559)	(1.811)	(2.677)	(2.283)	(6.654)	(3.543)	(1.220)	P2.0	(12.874)	(12.793)	(9.843)		(1.811)	145(5.709)	(15.551)	(20.276)	(9.843)	(1.772)	(13.189)

Remarks: Rod Dia "C" & "B" are equipped with different Dust-proof oil seal and oil seal for rod. For details please refer to P.28 "Cross-sectional Charts".

- 規格修改，本公司不另行通知
- Specification is subjected to change without notice.

STANDARD HYDRAULIC CYLINDERS

FB TYPE

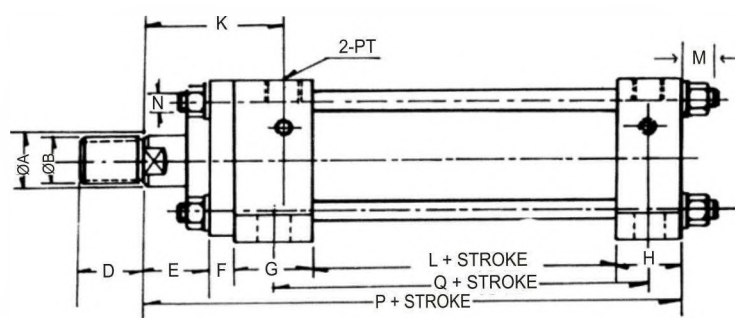
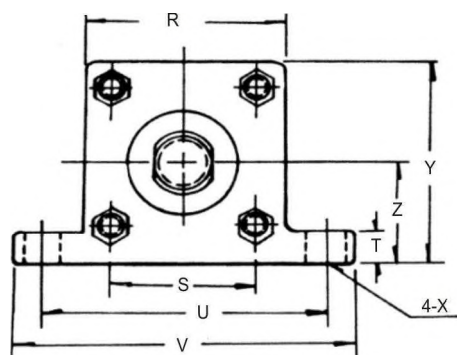


Tube Bore Ø(mm)	Rod Dia. Ø(mm)	Body Dimensions mm(inch)														Mounting Dimensions mm(inch)							
		A	B(mm)	D	E	F	G	H	K	L	M	N(mm)	P	R	S	PT	I	P	U	V	W	X	Y
40	C	20(0.787)	M18P1.5	25(0.984)	20	11	36	26	54	50	13	M10	143	65	45	1/4"	11	154	95	118	46	11	69
	B	25(0.984)	M22P1.5	30(1.181)	0.787	0.433	(1.417)	(1.024)	(2.126)	(1.969)	(0.512)	P1.5	(5.630)	(2.559)	(1.792)		(0.433)	(0.063)	(3.740)	(4.646)	(1.811)	(0.433)	(2.717)
50	C	25(0.984)	M22P1.5	30(1.181)	30	13	42	34	68	50	13	M10	169	75	52	3/8"	13	182	115	145	58	13	85
	B	30(1.181)	M26P1.5	35(1.378)	(1.181)	0.512	(1.654)	(1.339)	(2.677)	(1.969)	(0.512)	P1.5	(6.654)	(2.953)	(2.047)		(0.512)	(7.165)	(4.528)	(5.709)	(2.283)	(0.512)	(3.346)
63	C	30(1.181)	M26P1.5	35(1.378)	35	15	42	34	75	50	15	M12	176	90	63	3/8"	15	191	132	165	69	15	98
	B	35(1.378)	M30P1.5	40(1.575)	(1.378)	0.591	(1.654)	(1.339)	(2.953)	(1.969)	(0.591)	P1.75	(6.929)	(3.543)	(2.480)		(0.591)	(7.520)	(5.197)	(6.496)	(2.717)	(0.591)	(3.858)
80	C	35(1.378)	M30P1.5	40(1.575)	35	18	46	40	79	50	17	M16	189	110	80	1/2"	18	207	155	190	87	18	118
	B	40(1.575)	M35P1.5	45(1.792)	(1.378)	0.709	(1.811)	(1.575)	(3.110)	(1.969)	(0.669)	P1.5	(7.441)	(4.331)	(3.150)		(0.709)	(1.969)	(6.102)	(7.480)	(3.425)	(0.709)	(4.646)
100	C	45(1.792)	M40P1.5	45(1.792)	40	20	50	40	90	69	19	M18	219	135	98	1/2"	20	239	185	224	109	20	145
	B	50(1.967)	M45P1.5	55(2.165)	(1.575)	0.787	(1.969)	(1.575)	(3.543)	(2.717)	(0.748)	P1.5	(8.622)	(5.315)	(3.858)		(0.787)	(8.150)	(7.283)	(8.819)	(4.291)	(0.787)	(5.709)
125	C	50(1.967)	M45P1.5	50(2.165)	45	24	58	48	104	69	21	M22	244	165	122	3/4"	24	268	224	272	132	24	175
	B	60(2.362)	M50P2	60(2.559)	(1.792)	0.945	(2.283)	(1.890)	(4.094)	(2.717)	(0.827)	P1.5	(9.606)	(6.496)	(4.803)		(0.945)	(0.551)	(8.819)	(10.709)	(5.197)	(0.945)	(6.890)
150	C	60(2.362)	M50P2	60(2.362)	50	28	58	48	113	69	23	M24	253	195	148	3/4"	28	281	265	315	155	28	206
	B	70(2.756)	M60P2	80(3.150)	(1.969)	1.102	(2.283)	(1.890)	(4.449)	(2.717)	(0.906)	P1.5	(9.961)	(7.677)	(5.827)		(1.102)	(11.063)	(10.433)	(12.402)	(6.102)	(1.102)	(8.110)
180	C	70(2.756)	M60P2	110(4.331)	55	33	68	58	127	80	25	M30	295	235	182	1"	33	327	315	375	185	33	243
	B	80(3.150)	M70P2	140(5.512)	(2.169)	1.299	(2.677)	(2.283)	(5.000)	(3.150)	(0.984)	P1.5	(11.614)	(9.252)	(7.165)		(1.299)	(12.874)	(12.402)	(12.402)	(7.283)	(1.299)	(9.567)
200	C	80(3.150)	M70P2	120(4.724)	55	37	68	58	137	80	27	M32	298	262	200	1"	37	335	355	425	206	36	272
	B	100(3.937)	M90P2	150(5.905)	(2.169)	1.457	(2.677)	(2.283)	(5.394)	(3.150)	(1.063)	P2.0	(11.732)	(10.315)	(7.874)		(1.457)	(13.189)	(13.976)	(16.732)	(8.110)	(1.417)	(10.709)
224	C	100(3.937)	M90P2	140(5.512)	60	41	68	58	146	80	29	M32	307	292	225	1"	41	348	395	475	230	42	310
	B	110(4.331)	M100P2	180(7.087)	(2.362)	(1.614)	(2.677)	(2.283)	(5.748)	(3.150)	(1.142)	P2.0	(12.087)	(11.496)	(8.858)		(1.614)	(13.701)	(15.551)	(18.701)	(9.055)	(1.654)	(12.205)
250	C	110(4.331)	M100P2	150(5.905)	65	46	68	58	169	90	31	M38	327	325	250	1 1/4"	46	373	425	515	250	45	335
	B	125(4.980)	M110P2	195(7.480)	(2.559)	(1.811)	(2.677)	(2.283)	(6.654)	(3.543)	(1.220)	P2.0	(12.874)	(12.793)	(9.843)		(1.811)	(14.685)	(15.551)	(20.276)	(9.843)	(1.772)	(13.189)

Remarks: Rod Dia "C" & "B" are equipped with different Dust-proof oil seal and oil seal for rod. For details please refer to P.28 "Cross-sectional Charts".

STANDARD HYDRAULIC CYLINDERS

LA - TYPE

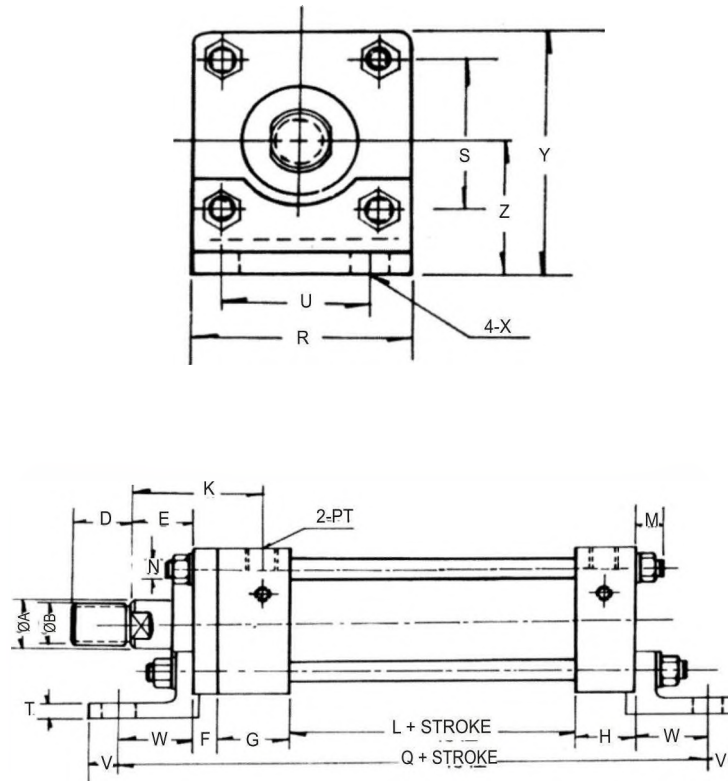


Tube Bore Ø(mm)	Rod Dia. Ø(mm)	Body Dimensions mm(inch)														Mounting Dimensions mm(inch)								
		A	B(mm)	D	E	F	G	H	K	L	M	N(mm)	C	R	S	PT	P	Q	T	U	V	X	Y	Z
40	C	20(0.787)	M18P1.5	25(0.984)	20	11	36	26	54	50	13	M10	35(1.398)	65	45	1/4"	143	81	13	90	112	11	65	32.5
	B	25(0.984)	M22P1.5	30(1.181)	0.787	0.433	1.417	1.024	2.126	1.969	0.512	P1.5	40(1.575)	2.559	1.792		5.130	3.189	0.512	3.543	4.409	0.433	2.559	1.260
50	C	25(0.984)	M22P1.5	30(1.181)	30	13	42	34	68	50	13	M10	40(1.575)	75	52	3/8"	169	88	15	109	132	13	75	37.5
	B	30(1.181)	M26P1.5	35(1.378)	1.181	0.512	1.654	1.339	2.677	1.969	0.512	P1.5	45(1.792)	2.953	2.047		6.654	3.465	0.591	4.291	5.197	0.512	2.953	1.475
63	C	30(1.181)	M26P1.5	35(1.378)	35	15	42	34	75	50	15	M12	45(1.792)	90	63	3/8"	176	88	18	128	154	15	90	45
	B	35(1.378)	M30P1.5	40(1.575)	1.378	0.591	1.654	1.339	2.953	1.969	0.591	P1.75	50(1.969)	3.543	2.480		7.047	3.465	0.709	5.039	6.063	0.591	3.543	1.772
80	C	35(1.378)	M30P1.5	40(1.575)	35	18	46	40	79	50	17	M16	50(1.969)	110	80	1/2"	189	93	20	152	184	18	110	55
	B	40(1.575)	M35P1.5	45(1.792)	1.378	0.709	1.811	1.575	3.110	1.969	0.669	P1.5	55(2.165)	4.331	3.150		7.441	3.661	0.787	5.984	7.244	0.709	4.331	2.165
100	C	45(1.792)	M40P1.5	45(1.792)	40	20	50	40	90	69	19	M18	60(2.362)	135	98	1/2"	219	114	24	178	210	20	135	67.5
	B	50(1.967)	M45P1.5	55(2.165)	1.575	0.787	1.969	1.575	3.543	2.717	0.748	P1.5	65(2.559)	5.315	3.858		8.622	4.488	0.945	7.008	8.268	0.787	5.315	2.657
125	C	50(1.967)	M45P1.5	55(2.165)	45	24	58	48	104	69	21	M22	65(2.559)	165	122	3/4"	244	122	28	211	250	24	165	82.5
	B	60(2.362)	M50P2	65(2.559)	1.792	0.945	2.283	1.890	4.094	2.717	0.827	P1.5	75(2.953)	6.496	4.803		9.606	4.803	1.102	8.307	9.843	0.945	6.496	3.248
150	C	60(2.362)	M50P2	60(2.362)	50	28	58	48	113	69	23	M24	75(2.953)	195	148	3/4"	253	122	32	255	300	28	195	97.5
	B	70(2.756)	M60P2	80(3.150)	1.969	1.102	2.283	1.890	4.449	2.717	0.906	P1.5	85(3.346)	7.677	5.827		9.961	4.803	1.260	10.039	11.811	1.102	7.677	3.839
180	C	70(2.756)	M60P2	110(4.331)	55	33	68	58	127	80	25	M30	85(3.346)	235	182	1"	294	143	37	300	354	33	235	117.5
	B	80(3.150)	M70P2	140(5.512)	2.165	1.299	2.677	2.283	5.000	3.150	0.984	P1.5	100(3.937)	9.252	7.165		11.575	5.630	1.457	11.811	13.937	1.299	9.252	4.628
200	C	80(3.150)	M70P2	120(4.724)	55	37	68	58	137	80	27	M32	100(3.937)	262	200	1"	298	143	42	326	385	33	262	131
	B	100(3.937)	M90P2	150(5.906)	2.165	1.457	2.677	2.283	5.394	3.150	1.063	P2.0	120(4.724)	10.315	7.874		11.732	5.630	1.654	12.835	15.157	0.945	10.315	5.157
224	C	100(3.937)	M90P2	140(5.512)	60	41	68	58	146	80	29	M32	120(4.724)	292	225	1"	307	143	47	360	420	36	292	146
	B	110(4.331)	M100P2	180(7.087)	2.362	1.614	2.677	2.283	5.748	3.150	1.142	P2.0	130(5.118)	11.496	8.858		12.087	5.630	1.850	14.173	16.535	1.417	11.496	5.748
250	C	110(4.331)	M100P2	150(5.906)	65	46	68	58	169	90	31	M38	130(5.118)	325	250	1 1/4"	327	153	52	405	476	42	325	162.5
	B	125(4.980)	M110P2	195(7.480)	2.559	1.811	2.677	2.283	6.654	3.543	1.220	P2.0	145(5.709)	12.793	9.843		12.874	6.024	2.047	15.945	18.740	1.654	12.793	6.398

Remarks: Rod Dia "C" & "B" are equipped with different Dust-proof oil seal and oil seal for rod. For details please refer to P.28 "Cross-sectional Charts".

STANDARD HYDRAULIC CYLINDERS

LB - TYPE

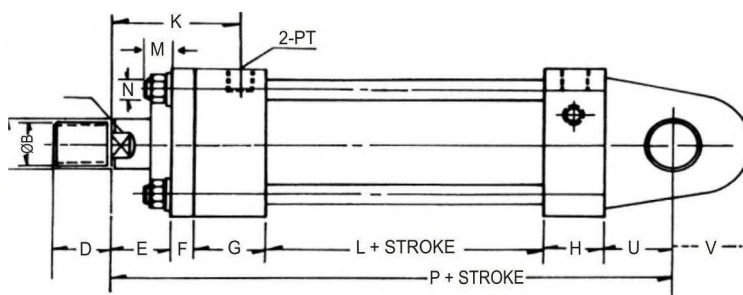
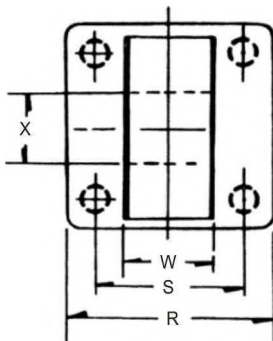


Tube Bore Ø(mm)	Rod Dia Ø(mm)	Body Dimensions mm(inch)														Mounting Dimensions mm(inch)									
		A	B(mm)	D	E	F	G	H	K	L	M	N(mm)	C	R	S	PT	Q	T	U	V	W	X	Y	Z	
40	C	20(0.787)	M18P1.5	25(0.984)	20	11	36	26	54	50	13	M10	35(1.398)	65	45	1/4"	187	8	45	13	32	11	75.5	43	
	B	25(0.984)	M22P1.5	30(1.181)	0.787	0.433	1.417	1.024	2.126	1.969	0.512	P1.5	40(1.575)	2.559	1.792		(7.362)	0.315	1.772	0.512	1.260	0.433	2.972	1.6593	
50	C	25(0.984)	M22P1.5	30(1.181)	30	13	42	34	68	50	13	M10	40(1.575)	75	52	3/8"	209	8	52	15	35	13	87.5	50	
	B	30(1.181)	M26P1.5	35(1.378)	1.181	0.512	1.654	1.339	2.677	1.969	0.512	P1.5	45(1.792)	2.953	2.047		(8.228)	0.315	2.047	0.591	1.378	0.512	3.445	1.969	
63	C	30(1.181)	M26P1.5	35(1.378)	35	15	42	34	75	50	15	M12	45(1.792)	90	63	3/8"	225	10	63	18	42	15	105	60	
	B	35(1.378)	M30P1.5	40(1.575)	1.378	0.591	1.654	1.339	2.953	1.969	0.591	P1.75	50(1.969)	3.543	2.480		(8.858)	0.394	2.480	0.709	1.654	0.591	4.134	2.362	
80	C	35(1.378)	M30P1.5	40(1.575)	35	18	46	40	79	50	17	M16	50(1.969)	110	80	1/2"	254	12	80	20	50	18	127	72	
	B	40(1.575)	M35P1.5	45(1.792)	1.378	0.709	1.811	1.575	3.110	1.969	0.669	P1.5	55(2.165)	4.331	3.150		(10.000)	0.472	3.150	0.787	1.969	0.709	5.000	2.835	
100	C	45(1.792)	M40P1.5	45(1.792)	40	20	50	40	90	69	19	M18	60(2.362)	135	98	1/2"	289	12	98	23	55	20	152.5	85	
	B	50(1.967)	M45P1.5	55(2.165)	1.3575	0.787	1.969	1.575	3.543	2.717	0.748	P1.5	65(2.559)	5.315	3.858		(11.378)	0.472	3.858	0.906	2.165	0.787	6.004	3.246	
125	C	50(1.967)	M45P1.5	55(2.165)	45	24	58	48	104	69	21	M22	65(2.559)	165	122	3/4"	331	15	122	29	66	24	187.5	105	
	B	60(2.362)	M50P2	65(2.559)	1.792	0.945	2.283	1.890	4.094	2.717	0.827	P1.5	75(2.953)	6.496	4.803		(13.031)	0.591	4.803	1.142	2.598	0.945	7.382	4.134	
150	C	60(2.362)	M50P2	60(2.362)	50	28	58	48	113	69	23	M24	75(2.953)	195	148	3/4"	353	18	148	30	75	28	211	123	
	B	70(2.576)	M60P2	80(3.150)	1.969	1.102	2.283	1.890	4.449	2.717	0.906	P1.5	85(3.346)	7.677	5.827		(13.898)	0.709	5.827	1.181	2.953	1.102	8.307	4.843	
180	C	70(2.756)	M60P2	110(4.331)	55	33	68	58	127	80	25	M30	85(3.346)	235	182	1"	409	20	182	40	85	33	265.5	148	
	B	80(3.150)	M70P2	140(5.512)	2.165	1.299	2.677	2.283	5.000	3.150	0.984	P1.5	100(3.937)	9.252	7.165		(16.102)	0.787	7.165	1.575	3.346	1.299	10.453	5.827	
200	C	80(3.150)	M70P2	120(4.724)	55	37	68	58	137	80	27	M32	100(3.937)	262	200	1"	439	25	200	40	98	36	296	165	
	B	100(3.937)	M90P2	150(5.906)	2.165	1.457	2.677	2.283	5.394	3.150	1.063	P2.0	120(4.724)	10.315	7.874		(17.283)	0.984	7.874	1.575	3.858	1.417	11.654	6.496	
224	C	100(3.937)	M90P2	140(5.512)	60	41	68	58	146	80	29	M32	120(4.724)	292	225	1"	477	30	225	45	115	41	331	185	
	B	110(4.331)	M100P2	180(7.087)	2.362	1.614	2.677	2.283	5.748	3.150	1.142	P2.0	130(5.118)	11.496	8.858		(18.780)	1.181	8.858	1.772	4.528	1.164	13.031	2.283	
250	C	110(4.331)	M100P2	150(5.906)	65	46	68	58	169	90	31	M38	130(5.118)	325	250	1 1/4"	522	35	250	50	130	46	370.5	208	
	B	125(4.980)	M110P2	195(7.480)	2.559	1.811	2.677	2.283	6.654	3.543	1.220	P2.0	145(5.709)	12.793	9.843		(20.551)	1.378	9.843	1.969	5.118	1.811	14.414	8.189	

Remarks: Rod Dia "C" & "B" are equipped with different Dust-proof oil seal and oil seal for rod. For details please refer to P.28 "Cross-sectional Charts".

STANDARD HYDRAULIC CYLINDERS

CA - TYPE

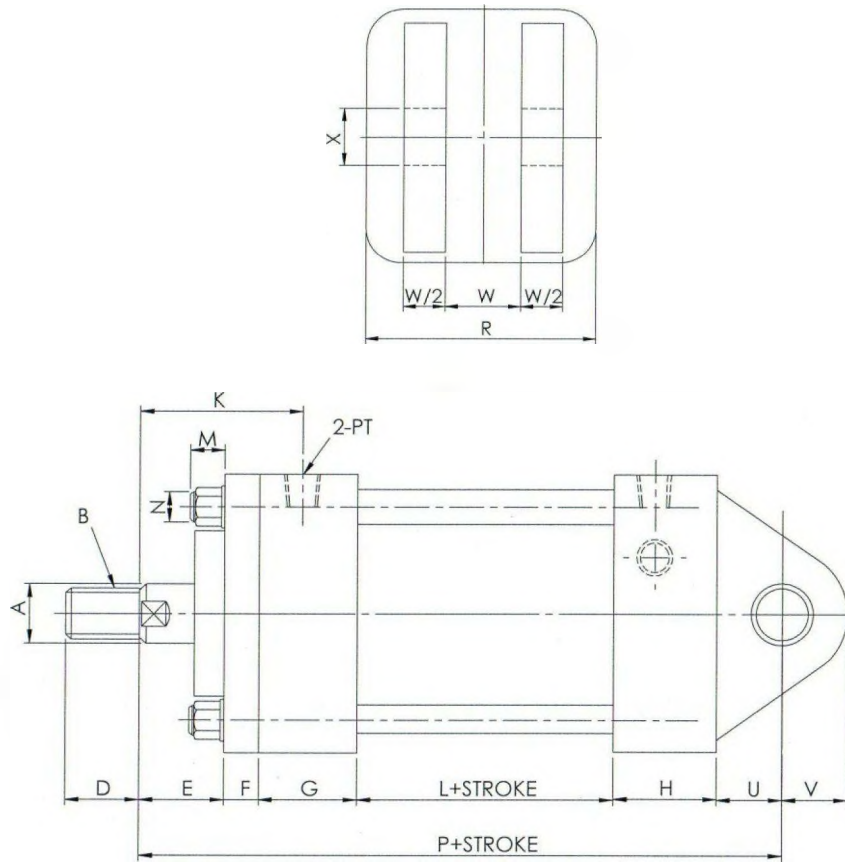


Tube Bore Ø(mm)	Rod Dia. Ø(mm)															Mounting Dimensions					mm(inch)				
		A	B(mm)	D	E	F	G	H	K	L	M	N	C	R	S	PT	P	U	V	W	X				
40	C	20(0.787)	M18P1.5	25(0.984)	20	11	36	26	54	50	13	M10	35(1.398)	65	45	1/4"	181	38	16	25	16				
	B	25(0.984)	M22P1.5	30(1.181)	(0.787)	(0.433)	(1.417)	(1.024)	(2.126)	(1.969)	(0.512)	P1.5	40(1.575)	(2.559)	(1.792)		(7.126)	(1.417)	(0.630)	(0.984)	(0.630)				
50	C	25(0.984)	M22P1.5	30(1.181)	30	13	42	34	68	50	13	M10	40(1.575)	75	52	3/8"	214	45	20	31.5	20				
	B	30(1.181)	M26P1.5	35(1.378)	(1.181)	(0.512)	(1.654)	(1.339)	(2.677)	(1.969)	(0.512)	P1.5	45(1.792)	(2.953)	(2.047)		(8.425)	(1.772)	(0.787)	(1.240)	(0.787)				
63	C	30(1.181)	M26P1.5	35(1.378)	35	15	42	34	75	50	15	M12	45(1.792)	90	63	3/8"	239	63	31.5	40	31.5				
	B	35(1.378)	M30P1.5	40(1.575)	(1.378)	(0.591)	(1.654)	(1.339)	(2.953)	(1.969)	(0.591)	P1.75	50(1.969)	(3.543)	(2.480)		(9.409)	(2.480)	(1.240)	(1.575)	(1.240)				
80	C	35(1.378)	M30P1.5	40(1.575)	35	18	46	40	79	50	17	M16	50(1.969)	110	80	1/2"	261	72	31.5	40	31.5				
	B	40(1.575)	M35P1.5	45(1.792)	(1.378)	(0.709)	(1.811)	(1.575)	(3.110)	(1.969)	(0.669)	P1.5	55(2.165)	(4.331)	(3.150)		(10.276)	(2.835)	(1.240)	(1.575)	(1.240)				
100	C	45(1.792)	M40P1.5	45(1.792)	40	20	50	40	90	69	19	M18	60(2.362)	135	98	1/2"	303	84	40	50	40				
	B	50(1.967)	M45P1.5	55(2.165)	(1.575)	(0.787)	(1.969)	(1.575)	(3.543)	(2.717)	(0.748)	P1.5	65(2.559)	(5.315)	(3.858)		(11.929)	(3.307)	(1.575)	(1.969)	(1.575)				
125	C	50(1.967)	M45P1.5	55(2.165)	45	24	58	48	104	69	21	M22	65(2.559)	165	122	3/4"	307	63	50	63	50				
	B	60(2.362)	M50P2	65(2.559)	(1.792)	(0.945)	(2.283)	(1.890)	(4.094)	(2.717)	(0.827)	P1.5	75(2.953)	(6.496)	(4.803)		(12.087)	(2.480)	(1.969)	(2.480)	(1.969)				
150	C	60(2.362)	M50P2	60(2.362)	50	28	58	48	113	69	23	M24	75(2.953)	195	148	3/4"	333	80	63	80	63				
	B	70(2.759)	M60P2	80(3.150)	(1.969)	(1.102)	(2.283)	(1.890)	(4.449)	(2.717)	(0.906)	P1.5	85(3.346)	(7.677)	(5.827)		(13.087)	(3.150)	(2.480)	(3.150)	(2.480)				
180	C	70(2.756)	M60P2	110(4.331)	55	33	68	58	127	80	25	M30	85(3.346)	235	182	1"	394	100	80	100	80				
	B	80(3.150)	M70P2	140(5.512)	(2.169)	(1.299)	(2.677)	(2.283)	(5.000)	(3.150)	(0.984)	P1.5	100(3.937)	(9.252)	(7.165)		(15.512)	(3.937)	(3.150)	(3.937)	(3.150)				
200	C	80(3.150)	M70P2	120(4.724)	55	37	68	58	137	80	27	M32	100(3.937)	262	200	1"	413	115	90	125	90				
	B	100(3.937)	M90P2	150(5.906)	(2.165)	(1.457)	(2.677)	(2.283)	(5.394)	(3.150)	(1.063)	P2.0	120(4.724)	(10.315)	(7.874)		(16.260)	(4.528)	(3.543)	(4.921)	(3.543)				
224	C	100(3.937)	M90P2	140(5.512)	60	41	68	58	146	80	29	M32	120(4.724)	292	225	1"	432	125	100	125	100				
	B	110(4.331)	M100P2	180(7.087)	(2.362)	(1.614)	(2.677)	(2.283)	(5.748)	(3.150)	(1.142)	P2.0	130(5.118)	(11.496)	(8.856)		(17.008)	(4.921)	(3.937)	(4.921)	(3.937)				
250	C	110(4.331)	M100P2	150(5.906)	65	46	68	58	169	90	31	M38	130(5.118)	325	250	1 1/4"	452	125	100	125	100				
	B	125(4.980)	M110P2	195(7.480)	(2.559)	(1.811)	(2.677)	(2.283)	(6.654)	(3.543)	(1.220)	P2.0	145(5.708)	(12.793)	(9.843)		(17.008)	(4.921)	(3.937)	(4.921)	(3.937)				

Remarks: Rod Dia "C" & "B" are equipped with different Dust-proof oil seal and oil seal for rod. For details please refer to P.28 "Cross-sectional Charts".

STANDARD HYDRAULIC CYLINDERS

CB - TYPE

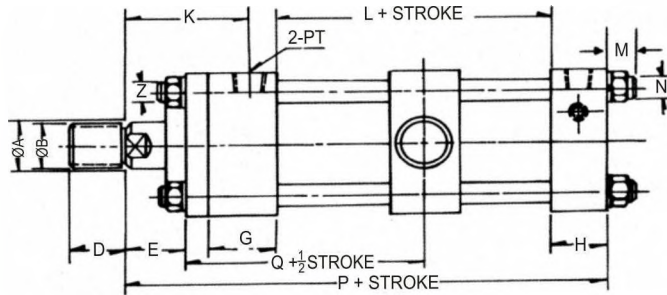
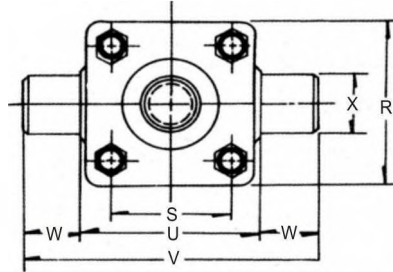


Tube Bore Ø(mm)	Rod Dia. Ø(mm)	Body Dimensions mm(inch)														Mounting Dimensions mm(inch)					
		A	B(mm)	D	E	F	G	H	K	L	M	N	C	R	W 2	PT	P	U	V	W	X
40	C	20(0.787)	M18P1.5	25(0.984)	20	11	36	26	54	50	13	M10	35(1.378)	65	12.5	1/4"	181	38	16	25	16
	B	25(0.984)	M22P1.5	30(1.181)	(0.787)	(0.433)	(1.417)	(1.024)	(2.126)	(1.969)	(0.512)	P1.5	40(1.575)	(2.559)	(0.492)		(7.126)	(1.496)	(0.630)	(0.984)	(0.630)
50	C	25(0.984)	M22P1.5	30(1.181)	30	13	42	34	68	50	13	M10	40(1.575)	75	15.75	3/8"	214	45	20	31.5	20
	B	30(1.181)	M26P1.5	35(1.378)	(1.181)	(0.512)	(1.654)	(1.339)	(2.677)	(1.969)	(0.512)	P1.5	45(1.792)	(2.953)	(0.62)		(8.425)	(1.772)	(0.787)	(1.240)	(0.787)
63	C	30(1.181)	M26P1.5	35(1.378)	35	15	42	34	75	50	15	M12	45(1.792)	90	20	3/8"	239	63	31.5	40	31.5
	B	35(1.378)	M30P1.5	40(1.575)	(1.378)	(0.591)	(1.654)	(1.339)	(2.953)	(1.969)	(0.591)	P1.75	50(1.969)	(3.543)	(0.787)		(9.409)	(2.480)	(1.240)	(1.575)	(1.140)
80	C	35(1.378)	M30P1.5	40(1.575)	35	18	46	40	79	50	17	M16	50(1.969)	110	20	1/2"	261	72	31.5	40	31.5
	B	40(1.575)	M35P1.5	45(1.792)	(1.378)	(0.709)	(1.811)	(1.575)	(3.110)	(1.969)	(0.669)	P1.5	55(2.165)	(4.331)	(0.787)		(10.276)	(2.835)	(1.240)	(1.575)	(1.240)
100	C	45(1.792)	M40P1.5	45(1.792)	40	20	50	40	90	69	19	M18	60(2.362)	135	25	1/2"	303	84	40	50	40
	B	50(1.967)	M45P1.5	55(2.165)	(1.575)	(0.787)	(1.969)	(1.575)	(3.543)	(2.717)	(0.748)	P1.5	65(2.559)	(5.315)	(0.984)		(11.929)	(3.307)	(1.575)	(1.969)	(1.575)
125	C	50(1.967)	M45P1.5	55(2.165)	45	24	58	48	104	69	21	M22	65(2.559)	165	31.5	3/4"	307	63	50	63	50
	B	60(2.362)	M50P2	65(2.559)	(1.792)	(0.945)	(2.283)	(1.890)	(4.094)	(2.717)	(0.827)	P1.5	75(2.953)	(6.496)	(1.240)		(12.087)	(2.480)	(1.969)	(2.480)	(1.969)
150	C	60(2.362)	M50P2	60(2.362)	50	28	58	48	113	69	23	M24	75(2.953)	195	40	3/4"	333	80	63	80	63
	B	70(2.756)	M60P2	80(3.150)	(1.969)	(1.102)	(2.283)	(1.890)	(4.449)	(2.717)	(0.906)	P1.5	85(3.346)	(7.677)	(1.575)		(13.110)	(3.150)	(2.480)	(3.150)	(2.480)
180	C	70(2.756)	M60P2	110(4.331)	55	33	68	58	127	80	25	M30	85(3.346)	235	50	1"	394	100	80	100	80
	B	80(3.150)	M70P2	140(5.512)	(2.169)	(1.299)	(2.677)	(2.283)	(5.000)	(3.150)	(0.984)	P1.5	100(3.937)	(9.252)	(1.969)		(15.512)	(3.937)	(3.150)	(3.937)	(3.150)
200	C	80(3.150)	M70P2	120(4.724)	55	37	68	58	137	80	27	M32	100(3.937)	262	62.5	1"	413	115	90	125	90
	B	100(3.937)	M90P2	150(5.906)	(2.165)	(1.457)	(2.677)	(2.283)	(5.394)	(3.150)	(1.063)	P2.0	120(4.724)	(10.315)	(2.461)		(16.260)	(4.528)	(3.543)	(4.921)	(3.543)
224	C	100(3.937)	M90P2	140(5.512)	60	41	68	58	146	80	29	M32	120(4.724)	292	62.5	1"	432	125	100	125	100
	B	110(4.331)	M100P2	180(7.087)	(2.362)	(1.614)	(2.677)	(2.283)	(5.748)	(3.150)	(1.142)	P2.0	130(5.118)	(11.496)	(2.461)		(17.008)	(4.921)	(3.937)	(4.921)	(3.937)
250	C	110(4.331)	M100P2	150(5.906)	65	46	68	58	169	90	31	M38	130(5.118)	325	62.5	1 1/4"	452	125	100	125	100
	B	125(4.980)	M110P2	195(7.480)	(2.559)	(1.811)	(2.677)	(2.283)	(6.654)	(3.543)	(1.220)	P2.0	145(5.709)	(12.793)	(2.461)		(17.795)	(4.921)	(3.937)	(4.921)	(3.937)

Remarks: Rod Dia "C" & "B" are equipped with different Dust-proof oil seal and oil seal for rod. For details please refer to P.28 "Cross-sectional Charts".

STANDARD HYDRAULIC CYLINDERS

TC - TYPE



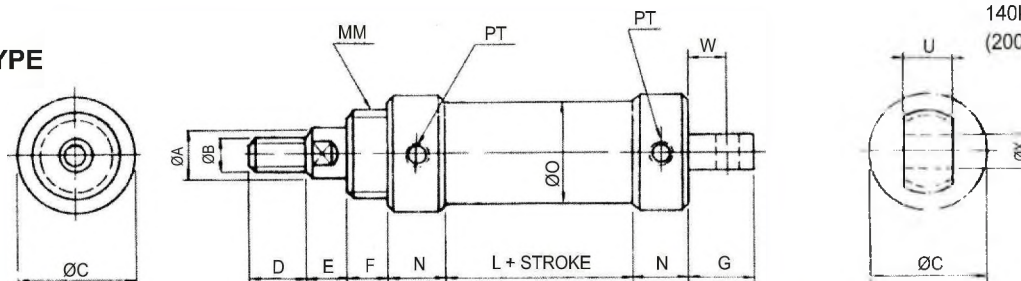
Tube Bore Ø(mm)	Rod Dia. Ø(mm)															Mounting Dimensions mm(inch)						
		A	B(mm)	D	E	F	G	H	K	L	M	N(mm)	C	R	S	PT	P	Q	U	V	W	X
40	C	20(0.787)	M18P1.5	25(0.984)	20	11	36	26	54	50	13	M10	35(1.378)	65	45	1/4"	143	72	69	109	20	20
	B	25(0.984)	M22P1.5	30(1.181)	(0.787)	(0.433)	(1.417)	(1.024)	(2.126)	(1.969)	(0.512)	P1.5	40(1.575)	(2.559)	(1.792)		(5.634)	(2.835)	(2.717)	(4.291)	(0.787)	(0.787)
50	C	25(0.984)	M22P1.5	30(1.181)	30	13	42	34	68	50	13	M10	40(1.575)	75	52	3/8"	169	80	85	135	25	25
	B	30(1.181)	M26P1.5	35(1.378)	(1.181)	(0.512)	(1.654)	(1.339)	(2.677)	(1.969)	(0.512)	P1.5	45(1.792)	(2.953)	(2.047)		(6.654)	(3.150)	(3.346)	(5.315)	(0.984)	(0.984)
63	C	30(1.181)	M26P1.5	35(1.378)	35	15	42	34	75	50	15	M12	45(1.792)	90	63	3/8"	176	82	98	161	31.5	31.5
	B	35(1.378)	M30P1.5	40(1.575)	(1.378)	(0.591)	(1.654)	(1.339)	(2.953)	(1.969)	(0.591)	P1.75	50(1.969)	(3.543)	(2.480)		(6.929)	(3.228)	(3.858)	(6.339)	(1.246)	(1.246)
80	C	35(1.378)	M30P1.5	40(1.575)	35	18	46	40	79	50	17	M16	50(1.969)	110	80	1/2"	189	89	118	181	31.5	31.5
	B	40(1.575)	M35P1.5	45(1.792)	(1.378)	(0.709)	(1.811)	(1.575)	(3.110)	(1.969)	(0.669)	P1.5	55(2.165)	(4.331)	(3.150)		(7.441)	(3.504)	(4.646)	(7.126)	(1.246)	(1.246)
100	C	45(1.792)	M40P1.5	45(1.792)	40	20	50	40	90	69	19	M18	60(2.362)	135	98	1/2"	219	104	145	225	40	40
	B	50(1.967)	M45P1.5	55(2.165)	(1.575)	(0.787)	(1.969)	(1.575)	(3.543)	(2.717)	(0.748)	P1.5	65(2.559)	(5.315)	(3.858)		(8.622)	(4.114)	(5.709)	(8.858)	(1.575)	(1.575)
125	C	50(1.967)	M45P1.5	55(2.165)	45	24	58	48	104	69	21	M22	65(2.559)	165	122	3/4"	244	116.5	175	275	50	50
	B	60(2.362)	M50P2	65(2.559)	(1.792)	(0.945)	(2.283)	(1.890)	(4.094)	(2.717)	(0.827)	P1.5	75(2.953)	(6.496)	(4.803)		(9.606)	(4.587)	(6.890)	(10.827)	(1.969)	(1.969)
150	C	60(2.362)	M50P2	60(2.362)	50	28	58	48	113	69	23	M24	75(2.953)	195	148	3/4"	253	120.5	206	332	63	63
	B	70(2.756)	M60P2	80(3.150)	(1.969)	(1.102)	(2.283)	(1.890)	(4.449)	(2.717)	(0.906)	P1.5	85(3.346)	(7.677)	(5.827)		(9.961)	(4.744)	(8.110)	(13.071)	(2.480)	(2.480)
180	C	70(2.756)	M60P2	110(4.331)	55	33	68	58	127	80	25	M30	85(3.346)	235	182	1"	294	141	243	103	80	80
	B	80(3.150)	M70P2	140(5.512)	(2.165)	(1.299)	(2.677)	(2.283)	(5.000)	(3.150)	(0.984)	P1.5	100(3.937)	(9.252)	(7.165)		(11.575)	(5.551)	(9.567)	(4.055)	(3.150)	(3.150)
200	C	80(3.150)	M70P2	120(4.724)	55	37	68	58	137	80	27	M32	100(3.937)	262	200	1"	298	145	272	452	90	90
	B	100(3.937)	M90P2	150(5.906)	(2.165)	(1.457)	(2.677)	(2.283)	(5.394)	(3.150)	(1.063)	P2.0	120(4.724)	(10.315)	(7.874)		(11.732)	(5.709)	(10.709)	(17.795)	(3.543)	(3.543)
224	C	100(3.937)	M90P2	140(5.512)	60	41	68	58	146	80	29	M32	120(4.724)	292	225	1"	307	149	300	500	100	100
	B	110(4.331)	M100P2	180(7.087)	(2.362)	(1.614)	(2.677)	(2.283)	(5.748)	(3.150)	(1.142)	P2.0	130(5.118)	(11.496)	(8.858)		(12.087)	(5.866)	(11.811)	(19.585)	(3.937)	(3.937)
250	C	110(4.331)	M100P2	150(5.906)	65	46	68	58	169	90	31	M38	130(5.118)	325	250	1 1/4"	327	159	335	535	100	100
	B	125(4.980)	M110P2	195(7.480)	(2.559)	(1.811)	(2.677)	(2.283)	(6.654)	(3.543)	(1.220)	P2.0	145(5.709)	(12.793)	(9.843)		(12.874)	(6.260)	(13.189)	(21.063)	(3.937)	(3.937)

Remarks: Rod Dia "C" & "B" are equipped with different Dust-proof oil seal and oil seal for rod. For details please refer to P.28 "Cross-sectional Charts".

SHAFT TEETH SCREW ON & SHAFT KEY INSERT TYPE (SMALL)

OMC SERIES

CA TYPE

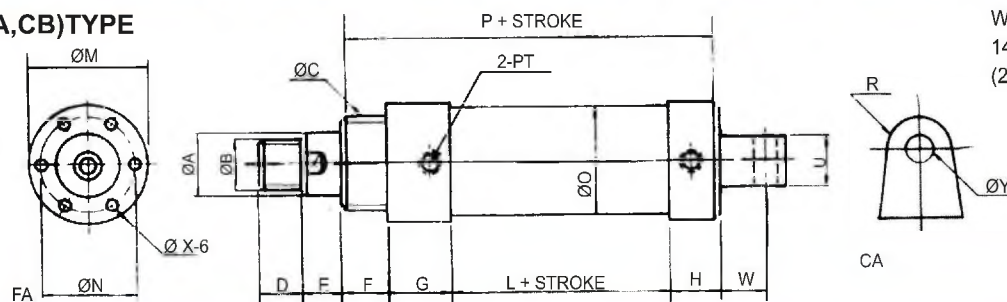


Working Pressure:
140kgf/cm²
(2000psi)

Unit:mm/(in)

Tube Bore Ø(mm)	ØA	B (mm)	C	D	E	F	G	L	B (mm)	N	O	X	U	W	PT
20	12 (0.472)	M10XP1.5	32 (1.260)	20 (0.787)	14 (0.551)	22 (0.866)	22 (0.866)	40 (1.575)	M22XP1.5	16 (0.630)	30 (1.181)	10 (0.394)	14 (0.551)	12 (0.472)	1/8"
25	14 (0.551)	M12XP1.75	36 (1.417)	20 (0.787)	16 (0.630)	24 (0.945)	24 (0.945)	44 (1.732)	M26XP1.5	16 (0.630)	35 (1.378)	12 (0.472)	14 (0.551)	13 (0.512)	1/8"
30	18 (0.709)	M16XP1.5	40 (1.575)	25 (0.984)	18 (0.709)	24 (0.945)	24 (0.945)	54 (2.126)	M35XP1.5	22 (0.866)	40 (1.575)	12 (0.472)	16 (0.630)	13 (0.512)	1/4"
40	20 (0.781)	M18XP1.5	50 (1.969)	25 (0.984)	20 (0.787)	32 (1.260)	32 (1.260)	54 (2.126)	M32XP2.0	22 (0.866)	50 (1.969)	16 (0.630)	20 (0.787)	18 (0.709)	1/4"

FA(CA,CB)TYPE



Working Pressure:
140kgf/cm²
(2000psi)

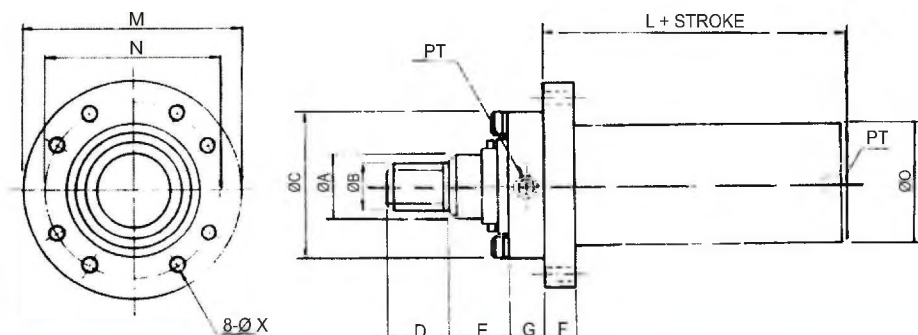
Unit:mm/(in)

Tube Bore Ø(mm)	A	B (mm)	C (mm)	D	E	F	G	H	L	M	N	O	P	R	ØX	ØY	W	U	PT
50	25 (0.984)	M22XP1.5	45XP1.5	30 (1.181)	30 (1.181)	15 (0.591)	35 (1.378)	25 (0.984)	60 (2.362)	100 (3.937)	80 (3.150)	60 (2.362)	135 (5.315)	20 (0.787)	11 (0.433)	20 (0.787)	30 (1.181)	25 (0.984)	1/4"
63	30 (1.181)	M26XP1.5	65XP1.5 35	35 (1.378)	35 (1.378)	18 (0.709)	37 (1.457)	30 (1.181)	60 (2.362)	125 (4.921)	100 (3.937)	73 (2.874)	145 (5.709)	30 (1.181)	14 (0.551)	30 (1.181)	45 (1.792)	30 (1.181)	3/8"
70	35 (1.378)	M30XP1.5	70XP1.5 40	40 (1.575)	40 (1.575)	18 (0.709)	37 (1.457)	30 (1.181)	66 (2.598)	130 (5.118)	105 (4.131)	80 (3.150)	151 (5.945)	30 (1.181)	14 (0.551)	30 (1.181)	45 (1.792)	30 (1.181)	3/8"
80	40 (1.575)	M35XP1.5	80XP2	45 (1.792)	45 (1.792)	20 (0.787)	40 (1.575)	30 (1.181)	80 (3.150)	155 (6.102)	125 (4.921)	90 (3.543)	170 (6.693)	35 (1.378)	18 (0.709)	35 (1.378)	50 (1.969)	35 (1.378)	3/8"
90	45 (1.792)	M40XP1.5	90XP2	50 (1.969)	50 (1.969)	20 (0.787)	45 (1.772)	35 (1.378)	95 (3.740)	165 (6.496)	135 (5.315)	100 (3.937)	195 (7.677)	40 (1.575)	18 (0.709)	40 (1.575)	55 (2.165)	35 (1.398)	1/2"
100	50 (1.969)	M45XP2	100XP2	55 (2.165)	55 (2.165)	25 (0.984)	45 (1.772)	40 (1.575)	101 (3.976)	185 (7.283)	155 (6.102)	114 (4.488)	211 (8.307)	40 (1.575)	20 (0.781)	40 (1.575)	55 (2.165)	40 (1.575)	1/2"
110	55 (2.169)	M50XP2	110XP2	60 (2.362)	60 (2.362)	25 (0.984)	45 (1.772)	40 (1.575)	105 (4.131)	205 (8.071)	170 (6.693)	125 (4.921)	215 (8.465)	50 (1.969)	20 (0.781)	50 (1.969)	70 (2.756)	40 (1.575)	3/4"
125	60 (2.362)	M55XP2	125XP2	60 (2.362)	60 (2.362)	30 (1.181)	55 (2.165)	50 (1.969)	105 (4.131)	220 (8.661)	180 (7.087)	140 (5.512)	240 (9.449)	50 (1.969)	20 (0.781)	50 (1.969)	70 (2.756)	63 (2.480)	3/4"
140	65 (2.557)	M60XP2	140XP2	65 (2.559)	65 (2.559)	36 (1.417)	55 (2.165)	50 (1.969)	115 (4.528)	250 (9.843)	205 (8.071)	160 (6.299)	256 (10.079)	60 (2.362)	24 (0.945)	60 (2.362)	95 (3.740)	63 (2.480)	3/4"
150	70 (2.756)	M65XP2	150XP2	70 (2.756)	70 (2.756)	36 (1.417)	55 (2.165)	50 (1.969)	115 (4.528)	260 (10.236)	220 (8.661)	168 (6.614)	256 (10.079)	60 (2.362)	24 (0.945)	60 (2.362)	95 (3.740)	80 (3.150)	3/4"

SHAFT TEETH SCREW ON & SHAFT KEY INSERT TYPE (LARGE FA)

OMB SERIES

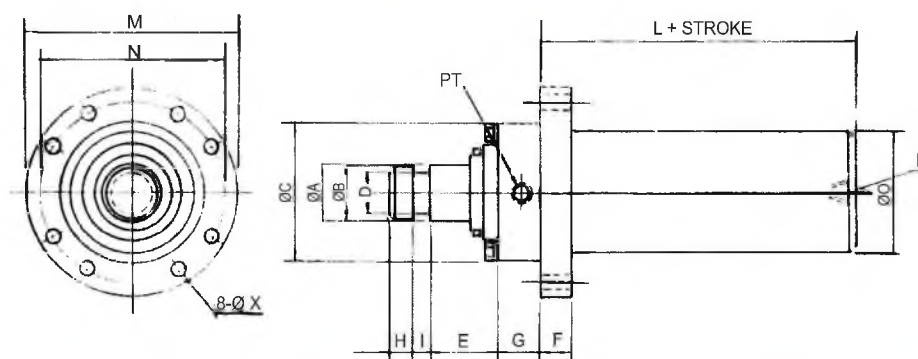
FA-I TYPE
Shaft Teeth Screw on



Unit:mm/(in)

Tube Bore Ø(mm)	ØA	B	ØC	D	E	F	G	L	M	N	ØO	ØX	PT
160	110 (4.331)	M10XP3	230 (9.055)	140 (5.512)	60 (2.362)	60 (2.362)	60 (2.362)	160 (6.299)	320 (12.598)	280 (11.054)	205 (8.071)	18 (0.709)	3/4"
180	125 (4.921)	M110XP4	260 (10.236)	150 (5.906)	60 (2.362)	65 (2.559)	60 (2.362)	165 (6.496)	360 (14.178)	310 (12.205)	216 (8.504)	20 (0.787)	3/4"
200	140 (5.512)	M120XP4	270 (10.630)	160 (6.299)	70 (2.756)	70 (2.756)	65 (2.559)	180 (7.087)	380 (14.961)	330 (12.992)	242 (9.528)	20 (0.787)	1"
224	160 (6.299)	M120XP4	310 (12.205)	160 (6.299)	70 (2.756)	70 (2.756)	65 (2.559)	180 (7.087)	420 (16.535)	370 (14.567)	273 (10.748)	22 (0.866)	1"
250	180 (7.087)	M150XP4	330 (12.992)	190 (7.480)	80 (3.150)	80 (3.150)	75 (2.953)	210 (8.268)	450 (17.717)	390 (15.354)	298 (11.732)	24 (0.945)	1 1/4"
280	200 (7.874)	M150XP4	370 (14.567)	190 (7.480)	80 (3.150)	90 (3.543)	75 (2.953)	240 (9.449)	500 (19.685)	440 (17.323)	340 (13.386)	26 (1.024)	1 1/4"
300	224 (8.819)	M180XP4	390 (15.354)	220 (8.661)	90 (3.543)	100 (3.937)	85 (3.346)	256 (10.433)	515 (20.276)	450 (17.717)	355 (13.976)	28 (1.102)	1 1/2"
350	250 (9.843)	M200XP4	460 (18.110)	220 (8.661)	100 (3.937)	120 (4.724)	85 (3.346)	300 (11.811)	600 (23.622)	540 (21.260)	425 (16.732)	32 (1.260)	1 1/2"

FA-II TYPE
Shaft Key Insert



Unit:mm/(in)

Tube Bore Ø(mm)	ØA	B	C	D	E	F	H	I	G	L	M	N	ØO	ØX	PT
160	110 (4.331)	105 (4.134)	230 (9.055)	85 (3.346)	80 (3.150)	60 (2.362)	25 (0.984)	20 (0.787)	60 (2.362)	160 (6.299)	320 (12.598)	280 (11.054)	205 (8.071)	18 (0.709)	3/4"
180	125 (4.921)	120 (4.724)	260 (10.236)	100 (3.937)	80 (3.150)	65 (2.559)	25 (0.984)	20 (0.787)	60 (2.362)	165 (6.496)	360 (14.178)	310 (12.205)	216 (8.504)	20 (0.787)	3/4"
200	140 (5.512)	135 (5.315)	270 (10.630)	115 (4.528)	90 (3.543)	70 (2.756)	30 (1.181)	25 (0.984)	65 (2.559)	180 (7.087)	380 (14.961)	330 (12.992)	242 (9.528)	20 (0.787)	1"
224	160 (6.299)	155 (6.102)	310 (12.205)	135 (5.315)	90 (3.543)	70 (2.756)	30 (1.181)	25 (0.984)	65 (2.559)	180 (7.087)	420 (16.535)	370 (14.567)	273 (10.748)	22 (0.866)	1"
250	180 (7.087)	175 (6.890)	330 (12.994)	150 (5.906)	100 (3.937)	80 (3.150)	35 (1.378)	30 (1.181)	75 (2.953)	210 (8.268)	450 (17.717)	390 (15.354)	298 (11.732)	24 (0.945)	1 1/4"
280	200 (7.874)	195 (6.890)	370 (14.567)	170 (6.693)	100 (3.937)	90 (3.543)	35 (1.378)	30 (1.181)	75 (2.953)	240 (9.449)	500 (19.685)	440 (17.323)	340 (13.386)	26 (1.024)	1 1/4"
300	224 (8.819)	220 (8.661)	390 (15.354)	190 (7.480)	120 (4.724)	100 (3.937)	40 (1.575)	35 (1.378)	85 (3.346)	256 (10.433)	515 (20.276)	450 (17.717)	355 (13.976)	28 (1.102)	1 1/2"
350	250 (9.843)	245 (9.646)	460 (18.110)	220 (8.661)	120 (4.724)	120 (4.724)	40 (1.575)	35 (1.378)	85 (3.346)	300 (11.811)	600 (23.622)	540 (21.260)	425 (16.732)	32 (1.260)	1 1/2"

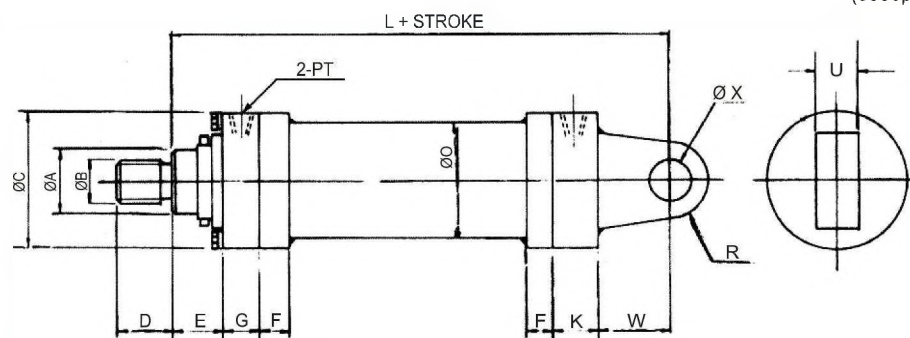
SHAFT TEETH SCREW ON & SHAFT KEY INSERT TYPE (LARGE FA)

OMA SERIES

CA- I TYPE

Shaft Teeth Screw on

Working Pressure:
210kgf/cm²
(3000psi)



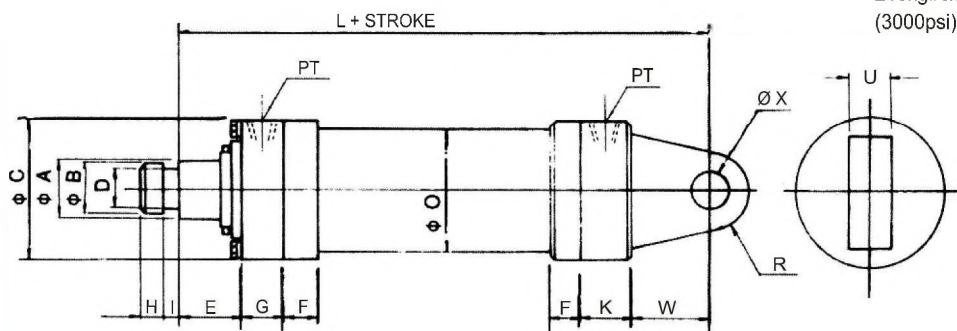
Unit:mm/(in)

Tube Bore Ø(mm)	A	B(mm)	C	D	E	F	G	L	K	R	ØO	ØX	U	W	PT
160	110 (4.331)	M100XP3	230 (9.055)	140 (5.512)	60 (2.362)	45 (1.772)	60 (2.362)	160 (6.496)	55 (2.165)	70 (2.756)	205 (8.071)	70 (2.756)	100 (3.937)	100 (3.937)	3/4"
180	125 (4.921)	M110XP4	260 (10.236)	150 (5.906)	60 (2.362)	50 (1.969)	60 (2.362)	165 (6.496)	55 (2.165)	80 (3.150)	216 (8.504)	80 (3.150)	110 (4.331)	110 (4.331)	3/4"
200	140 (5.512)	M120XP4	270 (10.630)	160 (6.299)	70 (2.756)	55 (2.165)	65 (2.559)	180 (7.087)	60 (2.362)	90 (3.543)	242 (9.528)	90 (3.543)	115 (4.528)	120 (4.927)	1"
224	160 (6.299)	M120XP4	310 (12.205)	160 (6.299)	70 (2.756)	55 (2.165)	65 (2.559)	180 (7.087)	60 (2.362)	90 (3.543)	273 (10.748)	90 (3.543)	115 (4.528)	120 (4.927)	1"
250	180 (7.087)	M150XP4	330 (12.994)	190 (7.480)	80 (3.150)	65 (2.559)	75 (2.953)	210 (8.268)	68 (2.677)	100 (3.937)	298 (11.732)	100 (3.937)	120 (4.927)	130 (5.118)	1 1/4"
280	200 (7.874)	M150XP4	370 (14.567)	190 (7.480)	80 (3.150)	65 (2.559)	75 (2.953)	240 (9.449)	68 (2.677)	110 (4.331)	340 (13.386)	110 (4.331)	130 (5.118)	140 (5.512)	1 1/4"
300	224 (8.819)	M180XP4	390 (15.354)	220 (8.661)	90 (3.543)	70 (2.756)	85 (3.346)	256 (10.433)	74 (2.913)	120 (4.927)	355 (13.976)	120 (4.927)	140 (5.512)	150 (5.906)	1 1/2"
350	250 (9.843)	M200XP4	460 (18.110)	220 (8.661)	100 (3.937)	80 (3.150)	85 (3.346)	300 (11.811)	74 (2.913)	140 (5.512)	425 (16.732)	140 (5.512)	150 (5.906)	170 (6.693)	1 1/2"

CA- II TYPE

Shaft Key Insert

Working Pressure:
210kgf/cm²
(3000psi)



Unit:mm/(in)

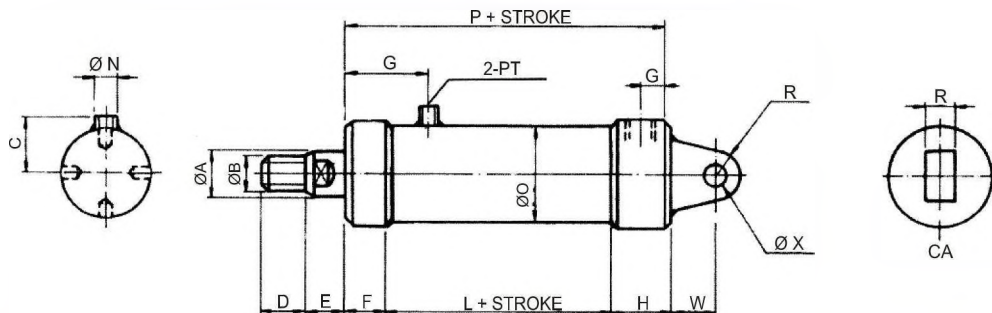
Tube Bore Ø(mm)	ØA	B	C	D	E	F	H	I	G	L	K	R	ØO	ØX	U	W	PT
160	110 (4.331)	105 (4.134)	230 (9.055)	85 (3.346)	80 (3.150)	45 (1.772)	25 (0.984)	20 (0.787)	60 (2.362)	160 (6.496)	55 (2.165)	70 (2.756)	205 (8.071)	70 (2.756)	100 (3.937)	100 (3.937)	3/4"
180	125 (4.921)	120 (4.724)	260 (10.236)	100 (3.937)	80 (3.150)	50 (1.969)	25 (0.984)	20 (0.787)	60 (2.362)	165 (6.496)	55 (2.165)	80 (3.150)	216 (8.504)	80 (3.150)	110 (4.331)	110 (4.331)	3/4"
200	140 (5.512)	135 (5.315)	270 (10.630)	115 (4.528)	90 (3.543)	55 (2.165)	30 (1.181)	25 (0.984)	65 (2.559)	180 (7.087)	60 (2.362)	90 (3.543)	242 (9.528)	90 (3.543)	115 (4.528)	120 (4.927)	1"
224	160 (6.299)	155 (6.102)	310 (12.205)	135 (5.315)	90 (3.543)	55 (2.165)	30 (1.181)	25 (0.984)	65 (2.559)	180 (7.087)	60 (2.362)	90 (3.543)	273 (10.748)	90 (3.543)	115 (4.528)	120 (4.927)	1"
250	180 (7.087)	175 (6.890)	330 (12.994)	150 (5.906)	100 (3.937)	65 (2.559)	35 (1.378)	30 (1.181)	75 (2.953)	210 (8.268)	68 (2.677)	100 (3.937)	298 (11.732)	100 (3.937)	120 (4.927)	130 (5.118)	1 1/4"
280	200 (7.874)	195 (7.667)	370 (14.567)	170 (6.693)	100 (3.937)	65 (2.559)	35 (1.378)	30 (1.181)	75 (2.953)	240 (9.449)	68 (2.677)	110 (4.331)	340 (13.386)	110 (4.331)	130 (5.118)	140 (5.512)	1 1/4"
300	224 (8.819)	220 (8.661)	390 (15.354)	190 (7.480)	120 (4.724)	70 (2.756)	40 (1.575)	35 (1.378)	85 (3.346)	256 (10.433)	74 (2.913)	120 (4.927)	355 (13.976)	120 (4.927)	140 (5.512)	150 (5.906)	1 1/2"
350	250 (9.843)	245 (9.646)	460 (18.110)	220 (8.661)	120 (4.724)	80 (3.150)	40 (1.575)	35 (1.378)	85 (3.346)	300 (11.811)	74 (2.913)	140 (5.512)	425 (16.732)	140 (5.512)	150 (5.906)	170 (6.693)	1 1/2"

●規格修改，本公司不另行通知
●Specification is subjected to change without notice.

PRODUCTION MACHINERY HYDRAULIC CYLINDERS

OMD SERIES (shaft teeth screw on and shaft inset type)

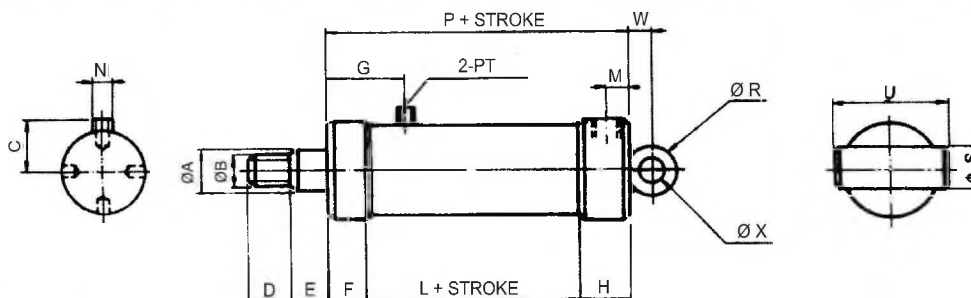
CA- I TYPE



Unit:mm/(in)

Tube Bore Ø(mm)	A	B (mm)	C	D	E	F	G	H	L	M	ØN	O	P	R	ØX	W	U	PT
50	25 (0.984)	M22XP1.5	45 (1.792)	30 (1.181)	30 (1.181)	15 (0.591)	53 (2.087)	30 (1.181)	80 (3.150)	12 (0.472)	20 (0.787)	60 (2.362)	125 (4.921)	20 (0.787)	20 (0.787)	30 (1.181)	25 (0.984)	1/4"
63	30 (1.181)	M26XP1.5	57 (2.244)	35 (1.378)	35 (1.378)	15 (0.591)	58 (2.283)	35 (1.378)	85 (3.346)	15 (0.591)	23 (0.906)	73 (2.874)	135 (5.315)	30 (1.181)	30 (1.181)	45 (1.792)	30 (1.181)	3/8"
70	35 (1.378)	M30XP1.5	60 (2.362)	40 (1.575)	35 (1.378)	15 (0.591)	65 (2.559)	35 (1.378)	92 (3.622)	15 (0.591)	23 (0.906)	80 (3.152)	142 (5.591)	30 (1.181)	30 (1.181)	45 (1.792)	30 (1.181)	3/8"
80	40 (1.575)	M35XP1.5	65 (2.559)	45 (1.792)	40 (1.575)	15 (0.591)	65 (2.559)	35 (1.378)	92 (3.622)	15 (0.591)	23 (0.906)	90 (3.543)	142 (5.591)	35 (1.378)	35 (1.378)	50 (1.969)	35 (1.378)	3/8"
90	45 (1.792)	M40XP1.5	70 (2.756)	50 (1.969)	45 (1.792)	15 (0.591)	68 (2.677)	45 (1.792)	100 (3.937)	20 (0.787)	28 (1.102)	100 (3.937)	160 (6.299)	40 (1.575)	40 (1.575)	55 (2.165)	35 (1.378)	1/2"
100	50 (1.969)	M45XP2	75 (2.953)	55 (2.165)	45 (1.792)	15 (0.591)	68 (2.677)	45 (1.792)	100 (3.937)	20 (0.787)	28 (1.102)	114 (4.488)	160 (6.299)	40 (1.575)	40 (1.575)	55 (2.165)	40 (1.575)	1/2"
110	55 (2.169)	M50XP2	80 (3.150)	60 (2.362)	45 (1.792)	15 (0.591)	68 (2.677)	45 (1.792)	100 (3.937)	20 (0.787)	28 (1.102)	125 (4.921)	160 (6.299)	50 (1.969)	50 (1.969)	70 (2.756)	40 (1.575)	1/2"
125	60 (2.362)	M55XP2	94 (3.701)	60 (2.362)	45 (1.792)	18 (0.709)	74 (2.913)	55 (2.155)	128 (5.039)	25 (0.984)	35 (1.378)	140 (5.512)	201 (7.913)	50 (1.969)	50 (1.969)	70 (2.756)	63 (3.480)	3/4"
140	65 (2.559)	M60XP2	104 (4.094)	65 (2.559)	50 (1.969)	18 (0.709)	75 (2.953)	55 (2.165)	135 (5.315)	25 (0.984)	35 (1.378)	160 (6.299)	208 (8.189)	60 (2.362)	60 (2.362)	95 (3.740)	63 (3.480)	3/4"
150	70 (2.756)	M65XP2	108 (4.252)	70 (2.756)	50 (1.969)	18 (0.709)	76 (2.992)	55 (2.165)	137 (5.394)	25 (0.984)	35 (1.378)	168 (6.614)	210 (8.268)	60 (2.362)	60 (2.362)	95 (3.740)	80 (3.150)	3/4"

CA- II TYPE

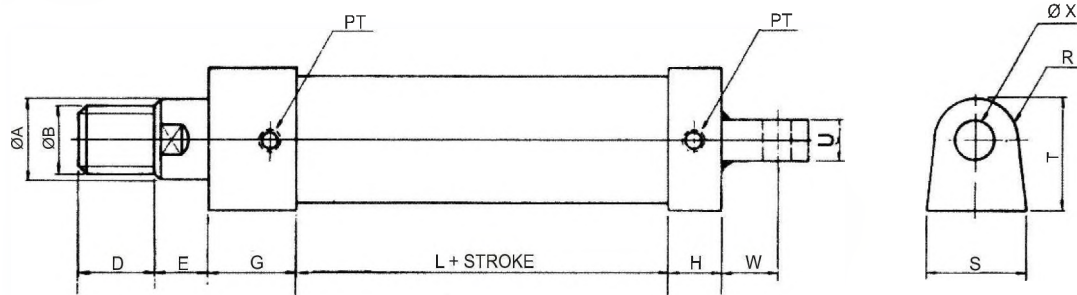


Unit:mm/(in)

Tube Bore Ø(mm)	A (mm)	B (mm)	C	D	E	F	G	H	L	M	N	O	P	R	ØS	ØX	W	U	PT
50	25 (0.984)	M22XP1.5	45 (1.792)	30 (1.181)	30 (1.181)	15 (0.591)	53 (2.087)	30 (1.181)	80 (3.150)	12 (0.472)	20 (0.787)	60 (2.362)	125 (4.921)	20 (0.787)	38 (1.496)	25 (0.984)	19 (0.748)	70 (2.756)	1/4"
63	30 (1.181)	M26XP1.5	57 (2.244)	35 (1.378)	35 (1.378)	15 (0.591)	58 (2.283)	35 (1.378)	85 (3.346)	15 (0.591)	23 (0.906)	73 (2.874)	135 (5.315)	30 (1.181)	45 (1.772)	30 (1.181)	22.5 (0.886)	85 (3.346)	3/8"
70	35 (1.378)	M30XP1.5	60 (2.362)	40 (1.575)	35 (1.378)	15 (0.591)	65 (2.559)	35 (1.378)	92 (3.622)	15 (0.591)	23 (0.906)	80 (3.152)	142 (5.591)	30 (1.181)	45 (1.772)	30 (1.181)	22.5 (0.886)	95 (3.740)	3/8"
80	40 (1.575)	M35XP1.5	65 (2.559)	45 (1.792)	40 (1.575)	15 (0.591)	65 (2.559)	35 (1.378)	92 (3.622)	15 (0.591)	23 (0.906)	90 (3.543)	142 (5.591)	35 (1.378)	50 (1.969)	35 (1.378)	25 (0.984)	105 (4.134)	3/8"
90	45 (1.792)	M40XP1.5	70 (2.756)	50 (1.969)	45 (1.792)	15 (0.591)	68 (2.677)	45 (1.792)	100 (3.937)	20 (0.787)	28 (1.102)	100 (3.937)	160 (6.299)	40 (1.575)	60 (2.362)	40 (1.575)	30 (1.181)	115 (4.528)	1/2"
100	50 (1.969)	M45XP2	75 (2.953)	55 (2.165)	45 (1.792)	15 (0.591)	68 (2.677)	45 (1.792)	100 (3.937)	20 (0.787)	28 (1.102)	114 (4.488)	160 (6.299)	40 (1.575)	60 (2.362)	40 (1.575)	30 (1.181)	130 (5.118)	1/2"
110	55 (2.169)	M50XP2	80 (3.150)	60 (2.362)	45 (1.792)	15 (0.591)	68 (2.677)	45 (1.792)	100 (3.937)	20 (0.787)	28 (1.102)	125 (4.921)	160 (6.299)	50 (1.969)	75 (2.953)	50 (1.969)	37.5 (1.476)	140 (5.512)	1/2"
125	60 (2.362)	M55XP2	94 (3.701)	60 (2.362)	45 (1.792)	18 (0.709)	74 (2.913)	55 (2.165)	128 (5.039)	25 (0.984)	35 (1.378)	140 (5.512)	201 (7.913)	50 (1.969)	75 (2.953)	50 (1.969)	37.5 (1.476)	160 (6.299)	3/4"
140	65 (2.559)	M60XP2	104 (4.094)	65 (2.559)	50 (1.969)	18 (0.709)	75 (2.953)	55 (2.165)	135 (5.315)	25 (0.984)	35 (1.378)	160 (6.299)	208 (8.189)	60 (2.362)	85 (3.346)	60 (2.362)	42.5 (1.673)	180 (7.087)	3/4"
150	70 (2.756)	M65XP2	108 (4.252)	70 (2.756)	50 (1.969)	18 (0.709)	76 (2.992)	55 (2.165)	137 (5.394)	25 (0.984)	35 (1.398)	168 (6.614)	210 (8.268)	60 (2.362)	85 (3.346)	60 (2.362)	42.5 (1.673)	190 (7.480)	3/4"

●規格修改・本公司不另行通知
●Specification is subjected to change without notice.

CA- I TYPE

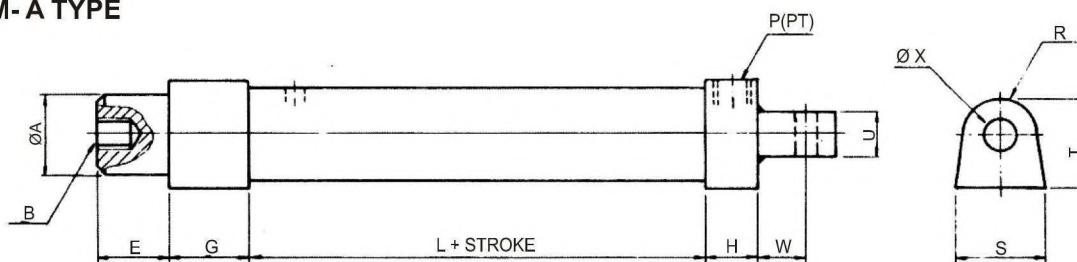


Unit:mm/(in)

Type	Tube Bore Ø(mm)	A	B (mm)	D	E	G	H	L	R	S	T	U	ØX	PT
1	60	45	M35XP1.5	60	30	60	30	130	30	60	70	30	26	3/8"
	75	(1.772)		(2.362)	(1.181)	(2.362)	(1.181)	(5.118)	(1.181)	(2.362)	(2.756)	(1.181)	(1.024)	
2	63	50	M40XP1.5	70	30	60	30	130	30	60	70	30	26	3/8"
	80	(1.969)		(2.756)	(1.181)	(2.362)	(1.181)	(5.118)	(1.181)	(2.362)	(2.756)	(1.181)	(1.024)	
3	80	60	M50XP2.0	80	40	70	40	150	35	70	80	35	36	1/2"
	100	(2.362)		(3.150)	(1.575)	(2.756)	(1.575)	(5.906)	(1.378)	(2.756)	(3.150)	(1.378)	(1.417)	
4	100	75	M65XP2.0	90	40	70	40	150	40	80	95	40	41	1/2"
	125	(2.953)		(3.543)	(1.575)	(2.756)	(1.575)	(5.906)	(1.575)	(3.150)	(3.740)	(1.575)	(1.614)	

This type can be welded to become mounting type FB.

RAM- A TYPE



Unit:mm/(in)

Type	A	B (mm)	ØC	E	G	H	L	R	S	T	U	ØX	PT
1	80	M16XP2.0	Ø120	100	30	35	70	30	60	70	30	26	1/2"
	(3.150)			(3.937)	(1.181)	(1.378)	(2.756)	(1.181)	(2.362)	(2.756)	(1.181)	(1.024)	
2	100	M20XP2.5	Ø140	100	30	45	90	35	70	80	35	30	1/2"
	(3.937)			(3.937)	(1.181)	(1.792)	(3.543)	(1.378)	(2.756)	(3.150)	(1.378)	(1.181)	
3	125	M20XP2.5	Ø163	100	30	45	120	40	80	95	40	40	1/2"
	(4.921)			(3.937)	(1.181)	(1.792)	(4.724)	(1.575)	(3.150)	(3.740)	(1.575)	(1.575)	

This type can be welded to become mounting type FB.

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Ангарск (3955)60-70-56
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Киров (8332)68-02-04
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Кострома (4942)77-07-48
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Ноябрьск (3496)41-32-12
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Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

Россия (495)268-04-70

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Ростов-на-Дону (863)308-18-15
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Ярославль (4852)69-52-93