



KAVITA ENTERPRISES

ALL TYPES OF CYLINDER MANUFACTURER



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9403987712, 8975186373



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K232/33, MULAY I SQUARE, WALUJ MIDC CHH. SAMBAJINAGAR,
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PRODUCT OVERVIEW



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PRODUCT INDEX

SR. NO.	DESCRIPTION
1	CRADLE
2	FLANGE MOUNTING CYLINDER
3	SWIZER LIFTER CYLINDER
4	TAI-ROD CYLINDER
5	HYDRAULIC BLOCK CYLINDER
6	COMPACT CYLINDER
7	LINK CAMPING CYLINDER
8	FLOW CONTROL
9	THREADED BODY CYLINDER
10	SEQUENCE VALVE



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PRODUCT CODE : HC001

300 X 1080 MM

1. AXIS ROTARY CRADLE

- The Axis Rotary Cradle is a precision workholding device designed for VMC machines to enable accurate rotational and angular positioning of workpieces. It allows multi-side machining in a single setup, improving accuracy and productivity.



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PRODUCT CODE : FC001

2.FLANGE MOUNTING CYLINDER

- HYDRAULIC - DOUBLE ACTING



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PRODUCT CODE : LC001

3.SWIZER LIFTER CYLINDER

- HYDRAULIC - DOUBLE ACTING



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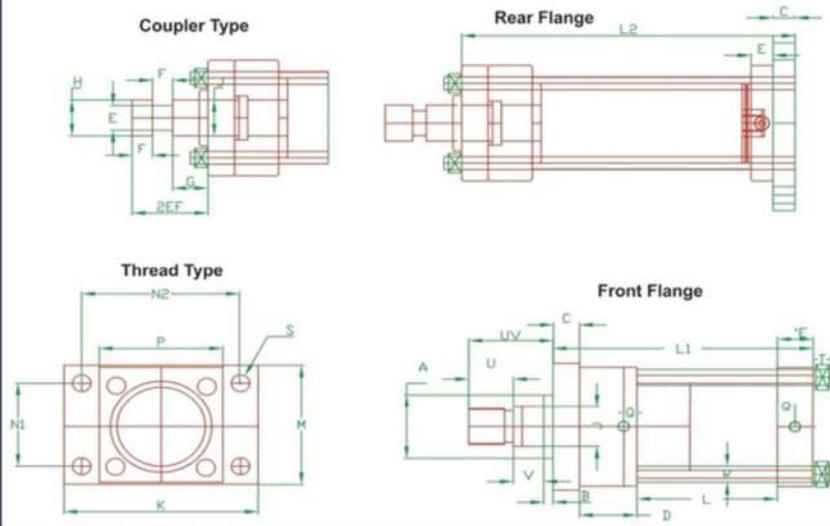
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PRODUCT CODE : TC501

4.TAI-ROD CYLINDER

- HYDRAULIC - DOUBLE ACTING



Features: Cylinders With M.S. end cover and round profile M.S. hone tube. Working Pressure up to 140 bar. Piston rod is available with thread & coupler type version. Front & rear flange mounting are available. Construction: Tube Mild steel seamless tube with ID honed

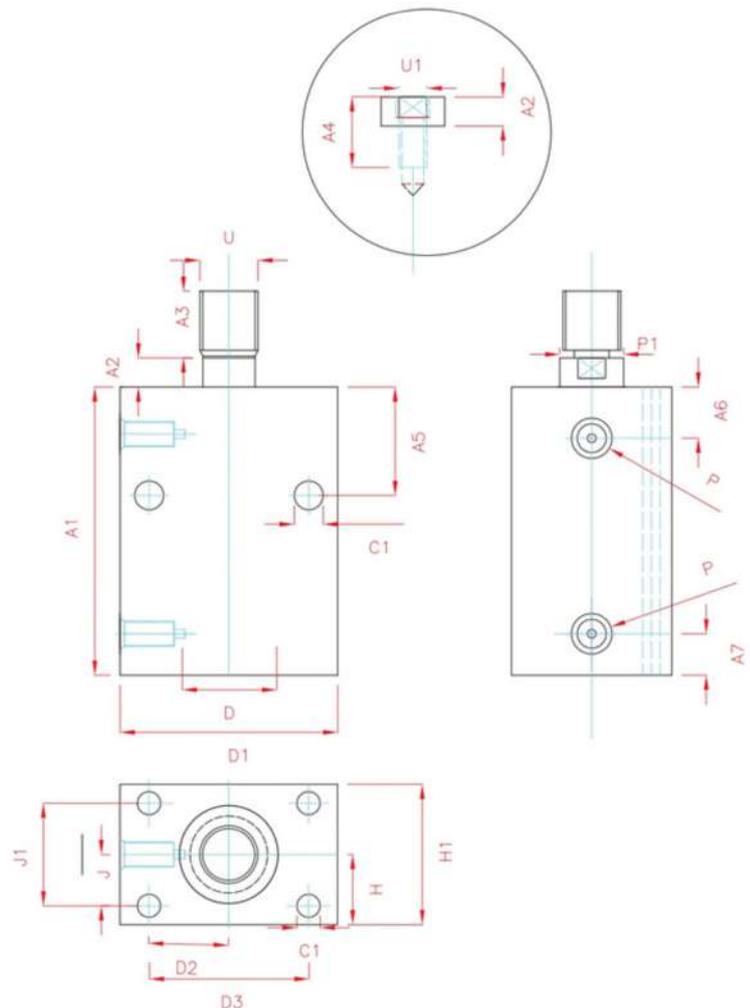
PRODUCT CODE COUPLER TYPE	CYLINDER BORE	COUPLER TYPE						PRODUCT CODE THREADED FRONT FLANGE	THREADED TYPE ---REAR FLANGE / FRONT FLANGE																				REAR FLANGE				
		ROD Dia	H	E	G	F	2EF		TF	U	V	UV	A	B	C	D	E	L	STROKE LENGTH	L1	K	M	N1	N2	P	Q	TR	R	S	T	PRODUCT CODE THREADED REAR FLANGE	L2	C
			J	Dia	Dia.	THDS	Dia.																										
TC-501	40	20	18	16	30	20	70	TTF-501	M16X2.0	20	20	40	38	5	20	30	20	120	68	190	110	65	40	94	60	13	1/4" BSP	12	13	20	TTR-501	210	20
TC-502	50	25	22	16	30	20	70	TTF-502	M20X2.0	25	20	45	45	5	20	30	20	122	70	192	130	80	50	108	80	13	1/4" BSP	12	13	20	TTR-502	212	20
TC-503	63	28	28	20	30	20	70	TTF-503	M24X2.0	32	25	57	50	5	20	40	20	127	75	207	160	100	65	130	100	13	1/4" BSP	12	17	20	TTR-503	227	20
TC-504	70	32	31.5	20	30	20	70	TTF-504	M26X2.0	32	25	57	50	7	20	40	22	132	80	214	170	100	70	138	100	13	1/4" BSP	12	17	20	TTR-504	234	20
TC-505	80	36	35.5	25	30	20	70	TTF-505	M30X2.0	36	25	61	65	10	25	50	25	137	85	237	180	120	80	150	110	15	1/2" BSP	16	17	20	TTR-505	262	25
TC-506	90	40	40	25	50	25	100	TTF-506	M36X2.0	36	35	71	70	10	25	55	25	142	90	247	190	128	90	158	120	15	1/2" BSP	16	17	25	TTR-506	272	25
TC-507	100	45	45	30	50	25	100	TTF-507	M40X2.0	50	35	85	70	10	30	55	25	173	100	283	219	145	100	180	140	15	1/2" BSP	16	21	25	TTR-507	313	25
TC-508	110	50	50	30	50	25	100	TTF-508	M40X2.0	50	40	90	80	10	30	55	25	185	105	295	234	160	115	196	150	15	1/2" BSP	16	21	25	TTR-508	325	25
TC-509	125	56	56	35	60	30	120	TTF-509	M50X2.0	50	40	90	85	10	30	55	30	190	110	305	255	175	125	210	165	20	3/4" BSP	20	25	30	TTR-509	335	30
TC-510	140	63	63	42	60	30	120	TTF-510	M58X2.0	62	50	112	90	10	30	55	30	192	112	307	295	195	140	240	185	20	3/4" BSP	20	25	30	TTR-510	337	30



PRODUCT CODE : TMBC

5. HYDRAULIC BLOCK CYLINDER

- HYDRAULIC - DOUBLE ACTING
- Double Acting Block Cylinder Male & Female threaded piston ends. Minimum Operating Pressure: 0.5Mpa APPLICATION: * Can be used For Positioning, support & direct clamping Maximum Operating Pressure: 16Mpa



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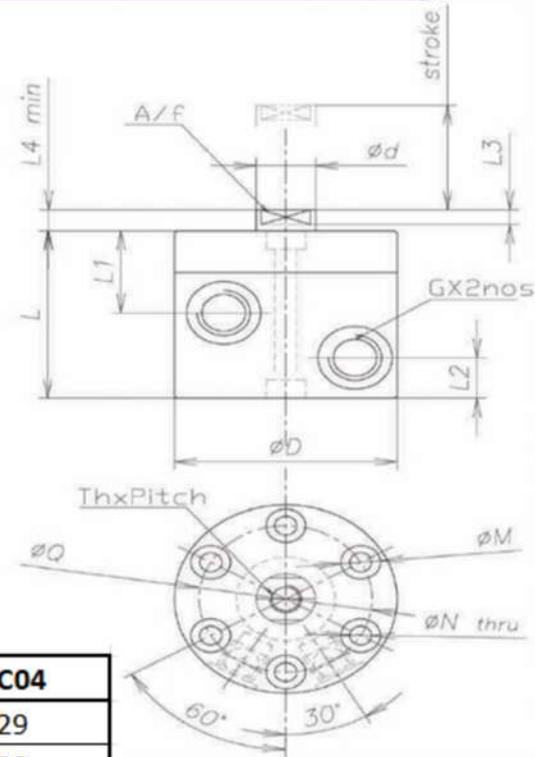
ALL TYPES OF CYLINDER MANUFACTURER

PRODUCT CODE	BORE ID (PISTON OD)	PISTON ROD DIA. P1	STROKE	C1	A1	A2	A3	A4	A5	A6	A7	D1	D2	D3	H	H1	J	J1	HYD PORT	A/F	U	U1	Pushing Force At 75 Bar (KN)	Pulling Force At 75 Bar (KN)
TMBC-F-2016	20	12	15	9	66																			
TMBC-F-2025	20	12	24	9	75	8	16	16	35	19	16.5	60	22.5	45	20	40	12.5	25	G1/8"	10	M10X1.5	M6	2.31	1.48
TMBC-F-2050	20	12	50	9	100																			
TMBC-F-2516	25	16	15	9	66																			
TMBC-F-2525	25	16	24	9	75	8	18	19	35	19	16.5	65	25	50	22.5	45	15	30	G1/8"	13	M14X1.5	M10	3.60	2.13
TMBC-F-2550	25	16	50	9	100																			
TMBC-F-3225	32	20	26	11	80																			
TMBC-F-3250	32	20	51	11	105	12	22	21	40	22.5	17	75	27.5	55	27.5	55	17.5	35	G1/8"	17	M16X1.5	M12	5.81	3.60
TMBC-F-3275	32	20	74	11	130																			
TMBC-F-4025	40	25	26	11	80																			
TMBC-F-4050	40	25	51	11	105	12	28	25	40	22.5	17	85	31.5	63	31.5	63	21.5	43	G1/4"	23	M20X1.5	M16	9.23	5.63
TMBC-F-4075	40	25	74	11	130																			
TMBC-F-5025	50	32	25	13	95																			
TMBC-F-5050	50	32	50	13	120																			
TMBC-F-5075	50	32	75	13	145	14	36	25	50	30.5	17	100	38	76	38	76	22.5	45	G1/4"	26	M24X1.5	M20	14.43	8.53
TMBC-F-50100	50	32	100	13	170																			
TMBC-F-6325	63	40	24	13	100																			
TMBC-F-6350	63	40	51	13	125																			
TMBC-F-6375	63	40	74	13	150																			
TMBC-F-63100	63	40	100	13	175																			
TMBC-F-7225	72	45	24	17	100																			
TMBC-F-7250	72	45	51	17	125																			
TMBC-F-7275	72	45	74	17	150																			
TMBC-F-72100	72	45	100	17	175																			
TMBC-F-8025	80	50	24	22	105																			
TMBC-F-8050	80	50	51	22	130																			
TMBC-F-8075	80	50	74	22	155																			
TMBC-F-80100	80	50	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24	22	105																			
TMBC-F-10050	100	60	51	22	130																			
TMBC-F-10075	100	60	74	22	155																			
TMBC-F-100100	100	60	100	22	180																			
TMBC-F-10025	100	60	24																					



PRODUCT CODE : CC01

6. COMPACT CYLINDER



MODEL	CC01	CC02	CC03	CC04
PUSHING FORCE (KN)	4.7	12	19	29
PULLING FORCE (KN)	3	9	14	22
THXPITCH	M6x10 DEEP	M10x18 DEEP	M12x20 DEEP	M16x25 DEEP
L4	6	6	7	6
d	12	16	20	25
D	45	65	76	95
G	1/8"	1/8"	1/8"	1/4"
A/F	10	14	17	22
L1	16.5	16.5	17.5	22.5
L2	12	12	12	12
L3	4	4	4	4
ØN	4.5	6.6	6.6	9
ØM X DEEP	8x5	11x7	11x7	14.5x9
ØQ(PCD)	35	50	60	75
STROKE	25	25	25	25
L	63	63	67	73
OIL VALVE PUSHING(CC)	8	20	31	49
OIL VALVE PULLING(CC)	5	15	24	37

7. LINK CAMPING CYLINDER

- HYDRAULIC - DOUBLE ACTING

DESCRIPTION: Double Acting LH, RH & Centre Port Configurations Alloy Steel Body Integrated Hinge Mechanism

Flange Mounting:

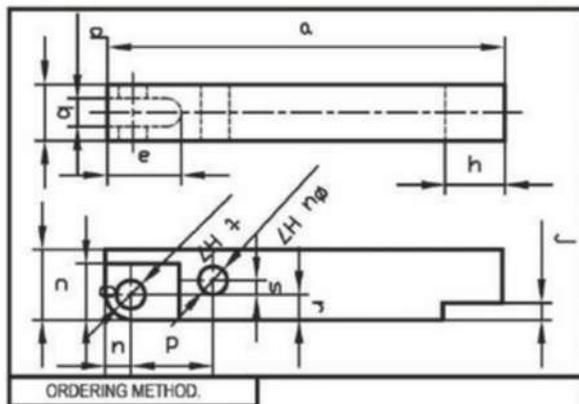
Min Operating Pressure : 5.5 bar

Max Operating Pressure : 70 bar

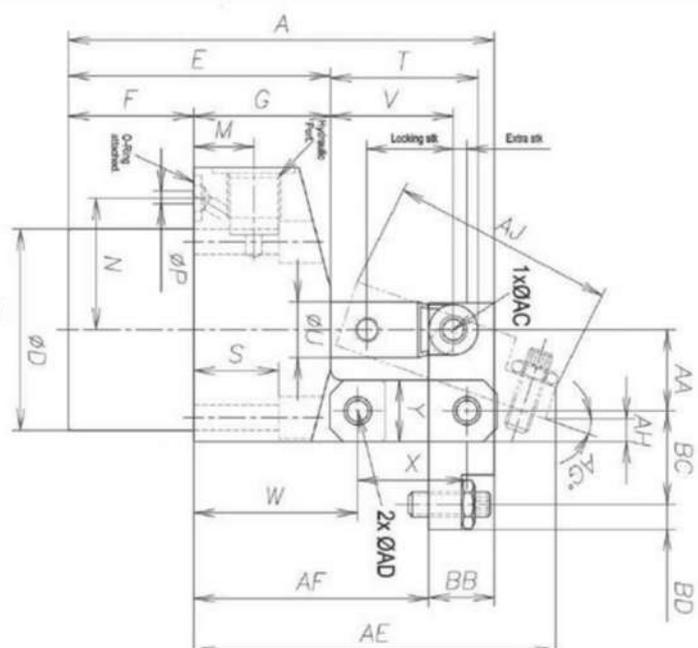
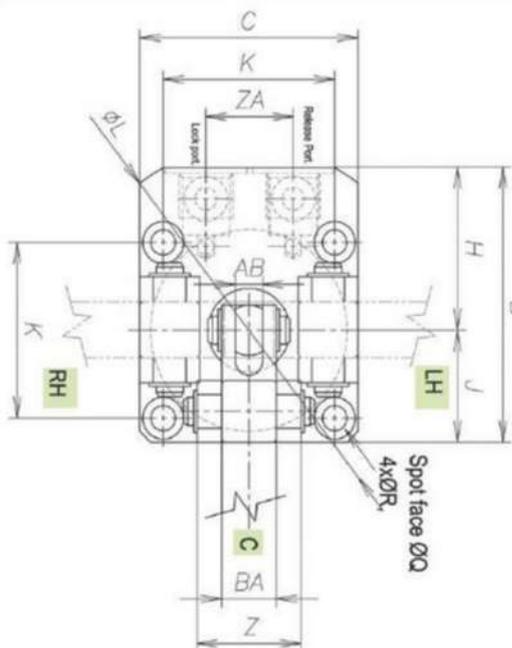
Operating Temperature : 0-75 Degree Celsius



PRODUCT CODE : 0101



MODEL	101L	008x	009x	010x	020x	030x	040x	050x	060x
	102L	036x	040x	048x	055x	065x	075x	090x	105x
a		70	75	85	90	105	110	150	200
b ^{-0.1}		10	12	12	16	19	22	25	32
c		13	14	16	20	25	32	38	45
d		5	6	6	8	10	11	13	16
e		13	14.5	16	17	22	26	31	36
g		10	12	13	17	18	22	26	31
h		10.5	13	13	17	22	25	31	38
j		3	3	3	4	5	5	6	6
n		4.5	5.5	6	6	8	10	11	13
p		14.5	16	18.5	21	24.5	30	36	44
r		4.5	5.5	6	6	8	10	11	13
s		2.5	2.5	3.5	6	7.5	9.5	13	16
t ^{H7}		5	6	6	6	8	10	12	15
u ^{H7}		5	6	6	8	10	12	15	18





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ALL TYPES OF CYLINDER MANUFACTURER

MODEL	101036C	101040C	101048C	101055C	101065C	101075C	101090C	101105C	
	101036R	101040R	101048R	101055R	101065R	101075R	101090R	101105R	
	101036L	101040L	101048L	101055L	101065L	101075L	101090L	101105L	
A	79	87.5	101	112.5	129.5	153	182	211	
B	50	54	61	69	81	94.5	111	127	
C	41	45	51	60	70	85	100	120	
D	36	40	48	55	65	75	90	105	
E	54	56	62	67	75.5	86	103	117	
F	29	31	34	39	45.5	49	63	67	
G	25	25	28	28	30	37	40	50	
H	29.5	31.5	35.5	39	46	52	61	67	
J	20.5	22.5	25.5	30	35	42.5	50	60	
K	31.5	34	40	47	55	63	75	88	
L	68	73	83	88	106	116	136	152	
M	11	11	11	11	12	12	12	15	
N	23.5	26	30	33.5	39.5	45	52.5	60	
P	3	3	3	3	3	3	3	4	
Q	7.5	9.5	9.5	11	11	14	17.5	20	
R	4.5	5.5	5.5	6.8	6.8	9	11	14	
S	18	15	17.5	15	15.5	19.5	19	24.5	
T	27	30.5	35	37.5	45	55	65.5	77	
U	10	12	14	16	18	22	28	35.5	
V	22.5	25	29	31.5	37	45	52	62	
W	30	30.5	34.5	35.5	39	48	52.5	64	
X	20	22	26	30	35.5	43.5	52.5	64	
Y	12	12	12	16	19.5	24.5	29	31	
Z	19	21	21	28	37	40	49	64	
ZA	16	18	22	24	30	32	37	45	
HYD PORT	G1/8"	G1/8"	G1/8	G1/8	G1/4	G1/4	G1/4	G3/8	
LINK LEAVER	AA	14.5	16	18.5	21	24.5	30	36	44
	AB	5	5	6	8	10	11	13	16
	AC	5	5	6	6	8	10	12	15
	AD	6	6	6	8	10	12	15	18
	AE	AE	AE	92.4	101.9	111.4	130.8	146.5	173.6
	AF	43	44.5	51	53.5	59	72	81	98
	AG ^o	19.6 ^o	20.2 ^o	18.9 ^o	19.9 ^o	20.5 ^o	21.4 ^o	22.4 ^o	23.1 ^o
	AH	5	6	4.3	4.7	4.3	4.5	5	4.1
	AJ	AJ	AJ	61.2	71.7	78.7	90.8	104.6	122.5
	BA	10	12	12	16	19	22	25	32
	BB	12.5	14	16	20	25	32	38	45
	BC	BC	BC	23.5	29	32	37.5	41.5	51
BD	BD	BD	6	8	10	11	14	17	
LOCK CYL. AREA	CM ²	3.8	4.9	7.07	9.62	15.9	23.7	33.2	44.2
FULL STROKE	MM	19	20.5	24	26.5	30	35.5	41.5	49.5
LOCKING STROKE	MM	15.5	17	20.5	23	26.5	32	38	46
EXTRA STROKE	MM	3	3	3	3	3	3	3	3
CYLINDER VOLUME	AT LOCK CM ³	5.9	8.33	14.5	22.13	42.14	75.85	126.2	203.35
	AT RELEASE CM ³	4.7	6.4	11.33	17.5	35.4	63.8	102.6	157.7
WEIGHT	KG	0.72	1.15	1.5	1.8	2.5	4.2	6.5	10.2



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PRODUCT CODE : FC01

8.FLOW CONTROL

A HYDRAULIC FLOW CONTROL VALVE REGULATES THE FLOW OF HYDRAULIC FLUID TO CONTROL THE SPEED OF CYLINDERS AND MOTORS. IT ENSURES SMOOTH, STABLE, AND EFFICIENT OPERATION OF HYDRAULIC SYSTEMS.

FEATURES:

- CONTROLS FLOW RATE AND ACTUATOR SPEED
- SMOOTH AND PRECISE OPERATION
- HIGH-PRESSURE, DURABLE CONSTRUCTION
- EASY TO INSTALL AND MAINTAIN



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PRODUCT CODE : TP01-018

9. THREADED BODY CYLINDER

- **HYDRAULIC - MANIFOLD MOUNTING**
- Compact design, Space saving mounting, Male & Female threaded piston ends Cylinders are threaded directly into manifold, Spring Return Type Cylinder.

APPLICATIONS

- Industrial automation systems
- Clamping and fixturing equipment
- Packaging and assembly machines
- Material handling systems
- Special purpose machines (SPMs)

PRODUCT CODE	SIZE	TYPE	SL	PRODUCT CODE	SIZE	TYPE	SL
TP01	M16 X 1.5	S	8	TP010	M30 X 1.5	S	9
TP02	M16 X 1.5	M	12	TP011	M30 X 1.5	M	13
TP03	M16 X 1.5	EL	18	TP012	M30 X 1.5	EL	21
TP04	M22 X 1.5	S	8	TP013	M36 X 1.5	S	11
TP05	M22 X 1.5	M	12	TP014	M36 X 1.5	M	17
TP06	M22 X 1.5	EL	18	TP015	M36 X 1.5	EL	26
TP07	M24 X 1.5	S	9	TP016	M45 X 1.5	S	11
TP08	M24 X 1.5	M	13	TP017	M45 X 1.5	M	17
TP09	M24 X 1.5	EL	21	TP018	M45 X 1.5	EL	26



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ALL TYPES OF CYLINDER MANUFACTURER



PRODUCT CODE : SV01

10. SEQUENCE VALVE

- A hydraulic sequence valve controls the order of operation in a hydraulic system by allowing flow only after a preset pressure is reached

Features:

- Ensures sequential actuator operation
- Pressure-controlled opening
- Adjustable pressure setting
- Reliable and compact design



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