

TECPOS[®]

Technology Power System

CE | ISO 14001 ISO 9001

- CYLINDERS
- PUMPS
- TOOLS
- PUNCH



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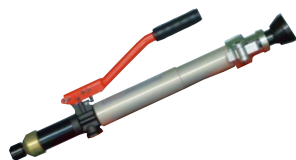
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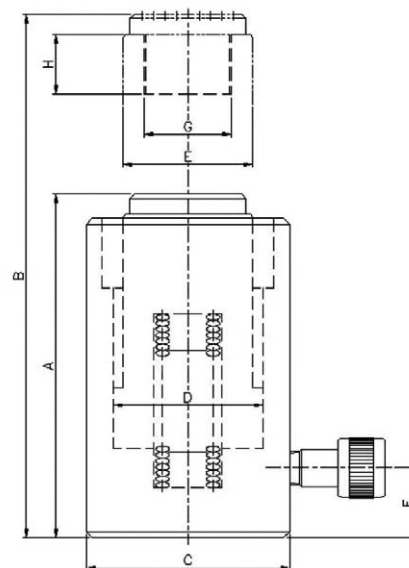
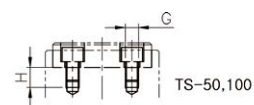
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Single Acting - Cylinders



Spring return type

- Capacity : 5~100ton
- Stroke : 50~200mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Pump : To use 30% more than oil capacity of Cylinder

■ How to understand Model No.

T S - 5 5

- Stroke, 50mm
- Capacity, 5ton
- Single Acting Cylinder
- TECPOS

A TYPE TS



B TYPE TSC



■ Specifications

※ Please refer to page 30, 32 for the pump detail.

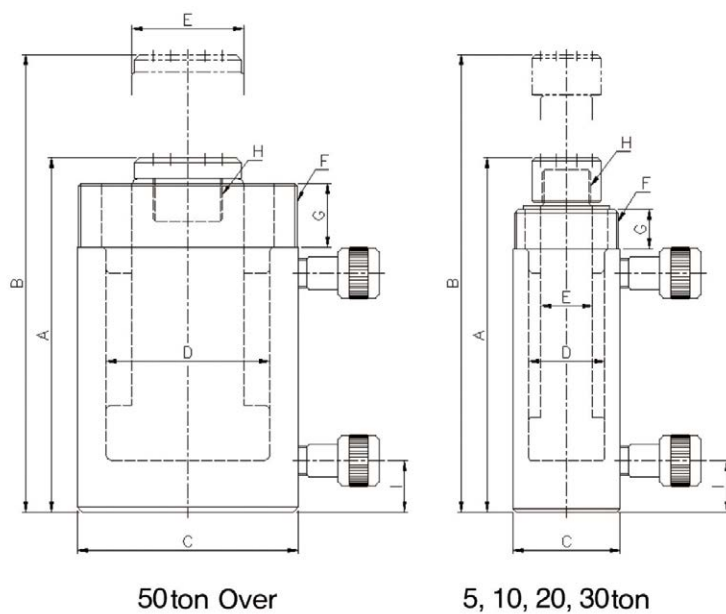
Model	Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Cylinder Bore Dia.	Piston Rod Dia.	Base to Inlet port	Piston Rod Internal Thread	Piston Rod Thread Length	Weight (kg)	Pump
					A	B								
TS-55	5 (45kN)	50	6.38	35	134	184	38	28.5	25	25	3/4-16 UNF	16	1.1	1B or 08
TS-510		100		70	184	284							1.4	
TS-515		150		106	234	384							1.7	
TS-520		200		140	284	484							2.1	
TS-105	10 (108kN)	50	15.2	76	133	183	58	44	38	20	1-8 UNC	19	2.4	
TS-1010		100		152	183	283							3.2	
TS-1015		150		228	233	383							4.0	
TS-1020		200		304	283	483							4.8	
TS-255	25 (236kN)	50	33.18	166	165	215	88	65	57	35	M38×2.0	26	7	1C or 17
TS-2510		100		332	215	315							8.9	
TS-2515		150		498	265	415							10.8	
TS-2520		200		664	315	515							12.7	
TS-305	30 (315kN)	50	44.18	220	172	222	102	75	65	35	M44×2.0	30	9.7	1B or 08
TS-3010		100		440	222	322							12.3	
TS-3015		150		660	272	422							14.9	1C or 17
TS-3020		200		880	322	522							17.5	
TS-505	50 (505kN)	50	70.88	355	173	223	127	95	85	35	M10×1.5	15	15.4	1B or 08
TS-5010		100		710	223	323							19.5	
TS-5015		150		1070	273	423							23.5	1C or 17
TS-5020		200		1425	323	523							27.5	
TS-10010	95 (947kN)	100	132.7	1330	226	326	165	130	110	40	M10×1.5	15	32.7	25
TS-10015		150		1991	286	436							41.1	

※ The above options are subject to change without prior notice

Double Acting - Cylinders



- Capacity : 5~1000ton
- Stroke : 150~300mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Faster Retraction under hydraulic power
- Removable plunger caps



■ How to understand Model No.

TDC-1015

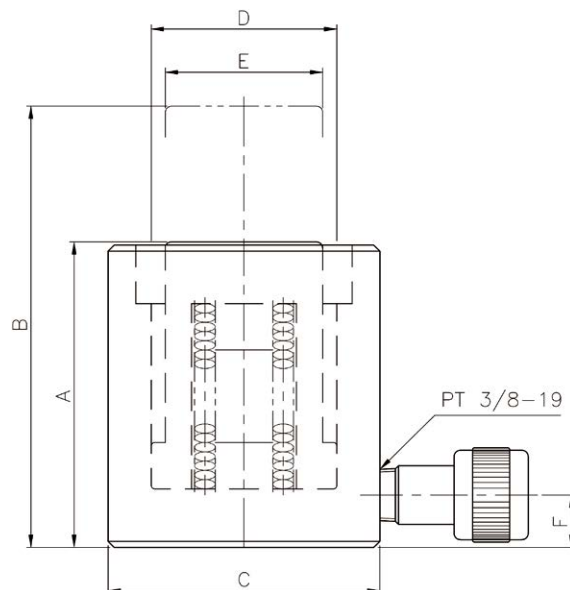
- Stroke, 150mm
- Capacity, 10ton
- Double-Acting Cylinder
- TECPOS

■ Specifications

Model	Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Cylinder Bore Dia.	Piston Rod Dia.	Coller Thread	Coller Thread Length	Piston Rod Thread Length	Base to Inlet Port	Weight (kg)	Pump	
					A	B	C	D	E	F	G	H	I			
TDC-515	5 (45kN)	150	9.6	144	285	435	45	35	25	M45 × P1.5	25	M20 × P1.5	25	3.1	1B or 08 Double	
TDC-530		300		288	433	733							30	4.4		
TDC-1015	10 (108kN)	150	15	228	314	464	62	44	30	M60 × P2.0	30	M28 × P2	30	6.0		1C or 17 Double
TDC-1030		300		456	464	764								8.7		
TDC-2515	25 (236kN)	150	33.2	497.7	363	513	88	65	45	M85 × P2.5	50	M40 × P2	36	14.0	25 Double	
TDC-2530		300		995.4	513	813								19.4		
TDC-3015	30 (315kN)	150	44.2	662.6	398	548	105	75	55	M100 × P2.5	55	M50 × P2	40	22.4	3B Double	
TDC-3030		300		1325.2	548	848								30.4		
TDC-5015	50 (505kN)	150	70.8	1063	343	493	128	95	65	M127 × P2.5	45	M40 × P2	45	28.5	5HP- Double	
TDC-5030		300		2126	493	793								39.2		
TDC-10015	95 (947kN)	150	132.7	1990	352	502	178	130	100	M175 × P3	50	M65 × P3	45	58.6	5HP- Double	
TDC-10030		300		3980	502	802								82.2		
TDC-15015	150 (1495kN)	150	213.8	3207	381	531	218	165	120	M215 × P3.5	55	M70 × P4	50	95	5HP- Double	
TDC-15030		300		6414	531	831								125.6		
TDC-20015	200 (1982kN)	150	283.5	4253	400	550	248	190	135	M245 × P4	60	M80 × P4	55	129	5HP- Double	
TDC-20030		300		8506	550	850								169		
TDC-30015	300 (3033kN)	150	433.7	6506	433	583	315	235	170	M315 × P4	70	M80 × P4	55	230	5HP- Double	
TDC-30030		300		13012	583	883								298		
TDC-50015	500 (4944kN)	150	706.8	10603	475	625	405	300	215	-	-	M90 × P4	75	490	5HP- Double	
TDC-50030		300		21206	625	925								590		
TDC-80015	800 (8143kN)	150	1164.2	17462	550	700	525	385	280	-	-	M150 × P4	100	782	5HP- Double	
TDC-80030		300		34924	700	1000								989		
TDC-100015	1000 (10157kN)	150	1452.2	21783	610	760	585	430	-	-	-	-	-	1216	5HP- Double	
TDC-100030		300		43566	760	1060								1533		

※ The above options are subject to change without prior notice

Shorty Cylinders



- Capacity : 10~200ton
- Stroke : 25~50mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Compact, flat design specific places.

■ How to understand Model No.

TSSC-1044

- Stroke, 44mm
- Capacity, 10ton
- Shorty cylinder
- TECPOS

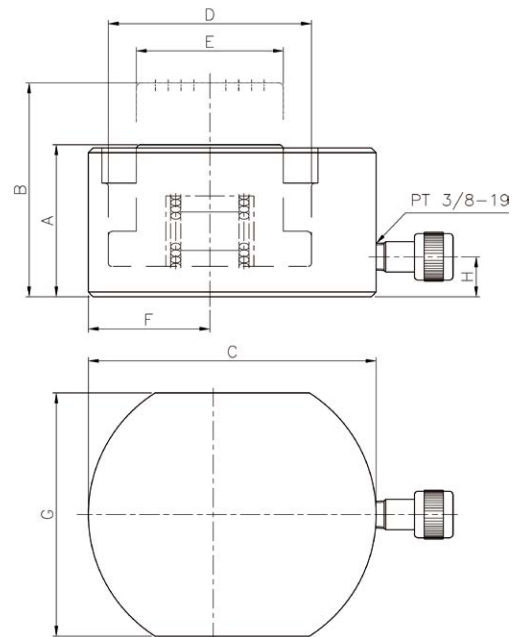
■ Specifications

Model	Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Cylinder Bore Dia.	Piston Rod Dia.	Base to Inlet Port	Weight (kg)	Pump
					A	B						
TSSC-1025	10 (105kN)	25	15.2	38	80	105	68	44	38	17	2.2	1B or 08
TSSC-1044	10 (105kN)	44	15.2	66	99	143	68	44	38	17	2.6	
TSSC-2025	20 (198kN)	25	28.3	71	80	105	88	60	51	17	3.5	
TSSC-2044	20 (198kN)	44	28.3	124	99	143	88	60	51	17	4.3	
TSSC-3025	30 (308kN)	25	44.2	111	80	105	104	75	65	17	4.9	
TSSC-3044	30 (308kN)	44	44.2	194	99	143	104	75	65	17	6.0	
TSSC-5025	45 (444kN)	25	63.6	160	84	109	125	90	78	17	7.5	1C or 17
TSSC-5050	45 (444kN)	50	63.6	318	109	159	125	90	78	17	9.5	
TSSC-10050	95 (928kN)	50	132.7	663	139	189	165	130	100	22	20.2	
TSSC-15050	150 (1406kN)	50	201.06	1005	170	220	208	160	135	28	40	
TSSC-20050	200 (1982kN)	50	283.5	1417	180	230	245	190	170	33	60.1	

Low Profile Cylinders



- Capacity : 5~150ton
- Stroke : 6~16mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- TECPOS low profile cylinders are designed for use where there is a minimum of clearance for insertion of cylinders
- From 10 to 150ton capacity single-acting spring Return



■ How to understand Model No.

TSLC-1011

- Stroke, 11mm
- Capacity, 10ton
- Low Profile Cylinder
- TECPOS

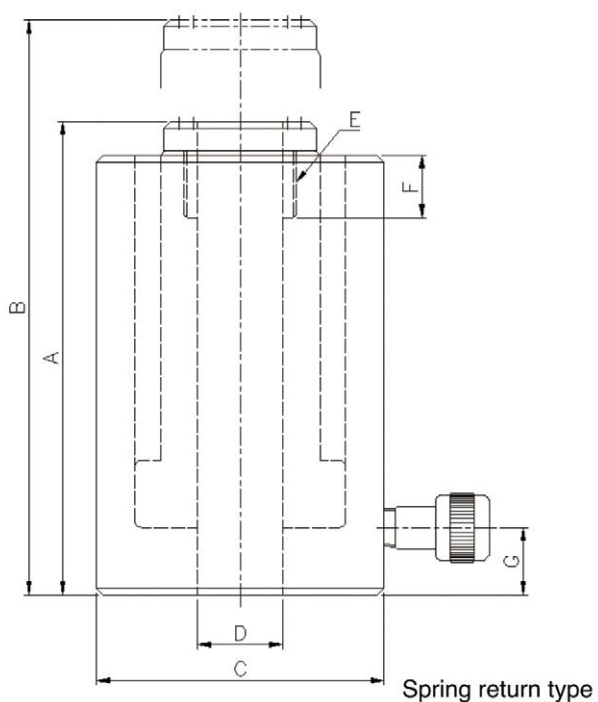
■ Specifications

Model	Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Cylinder Bore Dia.	Piston Rod Dia.	Plunger to Base	Cylinder Dimension	Base to Inlet Port	Weight (kg)	Pump
					A	B	C	D	E	F	G	H		
TSLC-56	5 (42kN)	6	6.16	3.7	40	46	59	28	25	21.5	42	21	0.7	1B or 08
TSLC-516	5 (42kN)	16	6.16	9.9	40	56	59	28	25	21.5	42	20	0.8	
TSLC-1011	10 (105kN)	11	15.2	16	45	56	84	44	38	28.5	56	21	1.5	
TSLC-2011	20 (198kN)	11	28.3	31	52	63	102	60	54	42	76	21	2.7	
TSLC-3013	30 (292kN)	13	41.85	53	59	72	115	73	64	48	95	21	4.1	
TSLC-5016	45 (424kN)	16	60.8	99	67	83	139	88	75	57.5	114	21	6.8	1C or 17
TSLC-7516	75 (726kN)	16	103.87	164	79	95	165	115	85	70	140	21	11.2	
TSLC-10016	90 (885kN)	16	126.7	203	86	102	179	127	95	77.5	152	25	14.3	
TSLC-15016	150 (1405kN)	16	201	317	100	116	215	160	115	97	190	24	25	

Single - Acting Center hole Cylinders



- Capacity : 10~100ton
- Stroke : 41~150mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Designed for use with screws, rods, cables, etc.



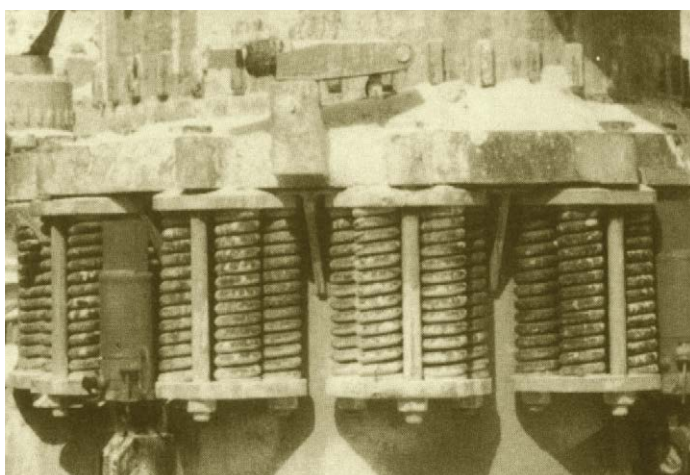
■ How to understand Model No.

TCH-1041

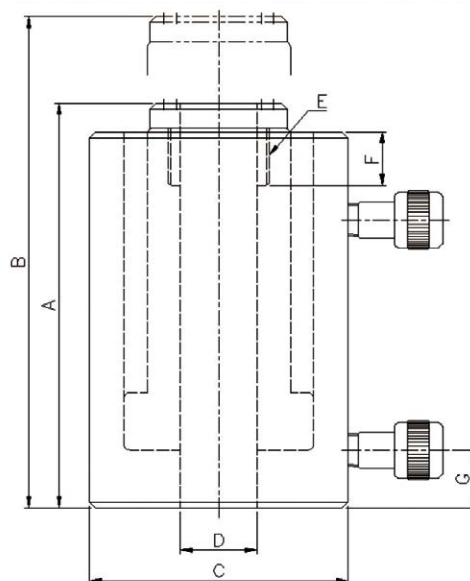
- Stroke, 41mm
- Capacity, 10ton
- Center Hole Cylinder
- TECPOS

■ Specifications

Model	Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Center Hole Dia.	Coller Thread	Coller Thread Length	Base to Inlet Port	Weight (kg)	Pump
					A	B	C	D	E	F	G		
TCH-128	12 (122kN)	41	18.4	14.7	55	63	69	17.3	3/4"-16UNF	16	20	1.7	1B or 08
TCH-1241	12 (122kN)	41	17.6	70.5	121	162	69	20	-	-	25	2.7	
TCH-1276	12 (122kN)	41	17.6	133.7	184	260	69	20	-	-	25	2.7	
TCH-2050	20 (221kN)	50	31.67	158.4	162	212	98	27	1 $\frac{9}{16}$ - 16	24	20	7.5	
TCH-20150	20 (221kN)	150	31.67	475	295	445	98	27	1 $\frac{9}{16}$ - 16	24	25	16	
TCH-3063	30 (333kN)	63	47.7	300.6	179	242	115	33	M48×P1.5	20	21	10.7	1C or 17
TCH-30150	30 (333kN)	150	47.7	716	320	470	115	33	M48×P1.5	20	24	20.2	
TCH-6075	60 (611kN)	75	87.46	656	249	324	158	54	M70×P2.0	28	30	27.6	
TCH-60150	60 (611kN)	150	87.46	1311	334	484	158	54	M70×P2.0	28	30	38	
TCH-10075	100 (1000kN)	75	143.13	1049	254	329	216	80	M103×P2.0	28	35	51.5	



Double - Acting Center hole Cylinders



- Capacity : 10~100ton
- Stroke : 156~254mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Designed for use with screws, rods, cables, etc

■ How to understand Model No.

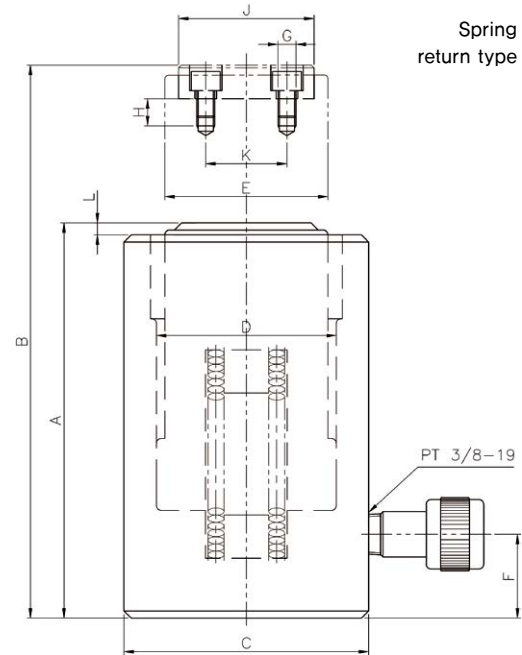
TDCH-10254

- Stroke, 254mm
- Capacity, 10ton
- Double -Acting Center Hole
- TECPOS

■ Specifications

Model	Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Center Hole Dia.	Coller Thread	Coller Thread Length	Base to Inlet Port	Weight (kg)	Pump
					A	B	C	D	E	F	G		
TDCH-12254	12 (122kN)	254	14.4	365	406	660	70	20	M32×P1.5	20	50	9.2	1B or 08 Double
TDCH-30210	30 (333kN)	210	44.2	928	425	635	115	33	M54×P2.5	50	55	27.5	1C or 17 Double
TDCH-60156	60 (611kN)	156	87.46	1365	380	536	158	54	M74×P2.0	36	55	42	
TDCH-100168	100 (1000kN)	168	140.39	2358	382	550	216	80	M116×P3.0	50	65	79	50 Double

Aluminum Cylinders



- Capacity : 20~150ton
- Stroke : 50~150mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- TECPOS Aluminum cylinders are almost half weight of steel cylinders

■ How to understand Model No.

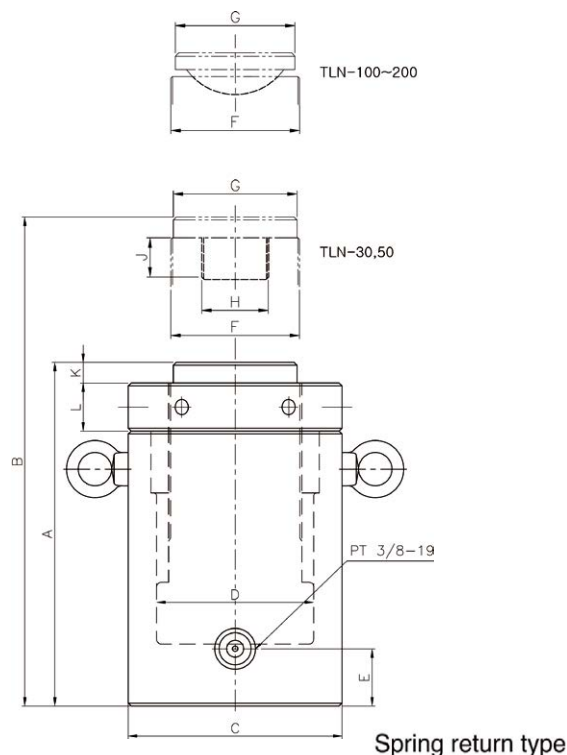
TAR-2050

- Stroke, 50mm
- Capacity, 20ton
- Aluminum Cylinder
- TECPOS

■ Specifications

Model	Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Cylinder Bore Dia.	Piston Rod Dia.	Base to Inlet Port	Piston Rod Interval Thread	Piston Rod Thread Length	Head Dia.	Bolt Interval	Head Length	Weight (kgs)	Pump
					A	B											
TAR-2050	20 (198kN)	50	28.3	145	150	200	89	60	54	28	M6	10	46	25	7	3.2	1B or 08
TAR-20100		100		290	200	300										4.1	
TAR-20150		150		435	250	400										4.8	
TAR-3050	30 (308kN)	50	44.18	220	168	218	108	75	65	35	M6	15	57	36	7	5.0	1C or 17
TAR-30100		100		440	218	318										6.3	
TAR-30150		150		660	268	418										7.5	
TAR-5050	50 (494kN)	50	70.88	355	182	232	134	95	85	35	M10	15	75	45	9	8.7	1B or 08
TAR-50100		100		708	232	332										10.2	
TAR-50150		150		1063	282	432										12.9	
TAR-10050	95 (928kN)	50	132.73	660	193	243	189	130	110	40	M10	15	98	60	8	16.5	25
TAR-100100		100		1320	243	343										20.6	
TAR-100150		150		1980	293	443										23.4	
TAR-15050	150 (1406kN)	50	201.06	1005	208	258	238	160	135	45	M10	20	119	75	8	27	50
TAR-150100		100		2010	258	358										33.4	
TAR-150150		150		3016	308	458										39.8	

Lock Nut Cylinders



- Capacity : 30~200ton
- Stroke : 200~230mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Particularly use in the building industry to support a bridge during construction

■ How to understand Model No.

TLN-30200

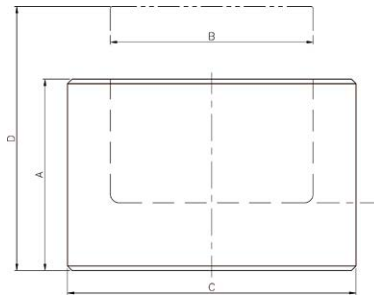
- Stroke, 200mm
- Capacity, 30ton
- Lock Nut Cylinder
- TECPOS

■ Specifications

Model	Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height A	Extended Height B	Cylinder Out Dia. C	Cylinder Bore Dia. D	Base to Inlet Port E	Piston Bore Dia. F	Head Dia. G	Piston rod Interval Thread H	Piston rod Thread Length J	Head Length K	Lock Nut Height L	Weight (kg)	Pump
TLN-30200	30 (309kN)	200	44.1	883	365	565	102	75	35	Tr68	60	M30x2.0	20	15	35	23	1C or 17
TLN-50200	50 (496kN)	200	70.8	1418	385	585	127	95	40	Tr88	80	M38x2.0	25	15	40	38	
TLN-100230	95 (928kN)	230	132.7	3052	475	705	168	130	50	Tr110	100	-	-	25	55	75	50
TLN-150230	150 (1496kN)	230	213.8	4918	532	762	225	165	60	Tr140	130	-	-	32	75	164	3B
TLN-200230	200 (1983kN)	230	283.5	6521	552	782	255	190	65	Tr165	152	-	-	32	80	224	

Hydraulic Jacks

• Propeller Fitting jacks



- Capacity : 50~200ton
- Stroke : 10~20mm
- Maximum Pressure : 700~2000bar
- For use of mounting, demounting of marine propellers

■ Specifications

Model	Cylinder Capacity ton (kN)	Stroke (mm)	Cylinder Effective Area (cm ²)	Max Pressure (bar)	Jack Height	Cylinder Bore Dia.	Cylinder Out Dia.	Extended Height
					A	B	C	D
TPFJ-5012	50 (495kN)	12	70.8	700	85	95	127	97
TPFJ-10010	100 (1001kN)	10	50.2	2000	50	80	118	60
TPFJ-10015	100 (1003kN)	15	143.1	700	110	135	183	125
TPFJ-20020	200 (2075kN)	20	298.6	700	130	190	245	150
TPFJ-20011	200 (2089kN)	11	103.8	2000	60	115	175	71

• Disk Ram Type

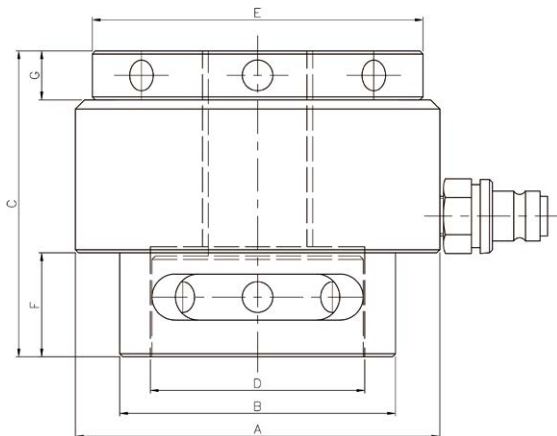


- Capacity : 300~1500ton
- Stroke : 10~12mm
- Maximum Pressure : 700bar
- To fit marine propellers pressurizing by single Disk Ram

■ Specifications

Model	Cylinder Capacity ton (kN)	Cylinder Effective Area (cm ²)	Stroke (mm)	Closed Height (mm)	Weight (kg)
TDR-30010	300 (2998kN)	428.5	10	80	≒109.4
TDR-50010	500 (4996kN)	714.2	10	90	≒179.5
TDR-80010	800 (7994kN)	1142.8	10	100	≒280.4
TDR-100012	1000 (9993kN)	1428.5	12	110	≒428.4
TDR-150012	1500 (14989kN)	2142.8	12	120	≒569.1

Bolt Tensioners



- Capacity : 19~580ton
- Stroke : 6~15mm
- Bolt Range : M20~M100
- Maximum Pressure : 1500bar
- Hydraulic Coupler : CEJN(PF1/4)
- Fitted with single acting spring return cylinders for use of Bolts/Nuts connection

■ How to understand Model No.

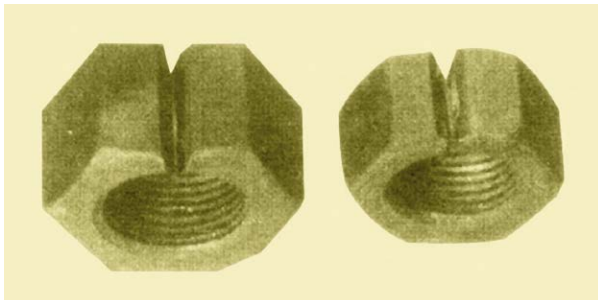
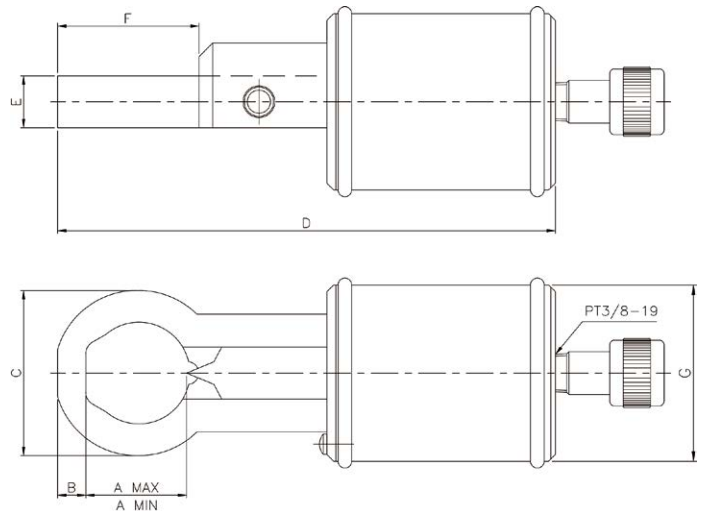
T B T - M 2 0

- Bolt Range
- Bolt Tensioner
- TECPOS

■ Specifications

Model	Cylinder Capacity (ton)	Stroke (mm)	Dimension							Weight (kg)
			A	B	C	D	E	F	G	
TBT-M20	19	6	69	53	75	40	59	20	11	2
TBT-M24	28	6	89	65	80	49	79	23	13	3
TBT-M30	43	8	99	79	90	60	89	25	13	5
TBT-M36	66	8	119	90	100	70	109	34	16	6
TBT-M42	93	10	139	107	110	84	129	35	16	9.5
TBT-M48	120	10	149	120	110	94	139	39	18	11.5
TBT-M56	162	10	179	140	135	109	169	45	18	19
TBT-M64	222	10	215	155	155	120	205	55	22	28
TBT-M72	230	10	238	170	170	130	229	55	22	40
TBT-M80	363	10	269	195	180	140	259	55	22	55
TBT-M90	466	15	299	215	190	160	289	60	26	70
TBT-M100	580	15	339	240	200	180	329	70	26	94

Nut Splitters



- Capacity : 14~32.5ton
- Bolt Range : 14ton(M12~M24)
32.5ton(M20~M33)
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)

■ How to understand Model No.

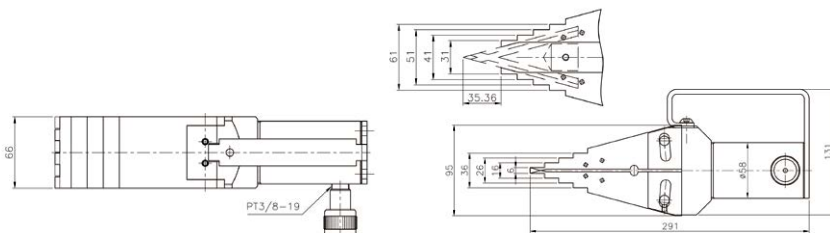
TNS-1415

- Stroke, 15mm
- Capacity, 14ton
- Nut splitter
- TECPOS

■ Specifications

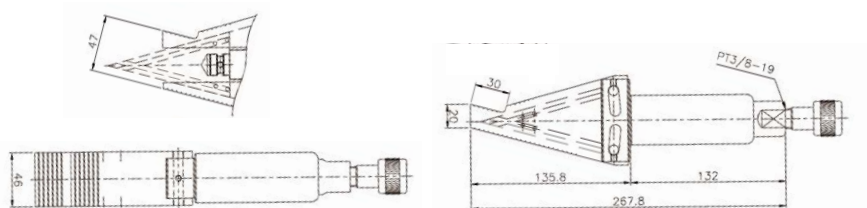
Model	Cylinder Capacity (ton)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Dimension										Weight (kg)	Pump
					A Max (mm)	A Min (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)		
TNS-1415	14	15	21.2	31.8	44.5	29.5	12.5	73	220	23	62.5	78	17	101	3.2	1B, 08 TMPM 1/2HP
TNS-32.520	32.5	20	46.5	93	57	44	19	98	277	29	85	115	28	128	12	

Hydraulic Flange Spreaders



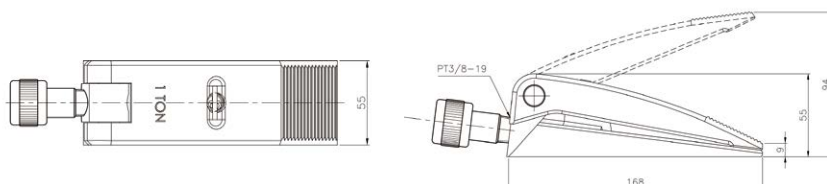
Specifications

Model	TFS 661	Max. Spread(mm)	61	Maximum Pressure(bar)	700	Weight(kg)	7.1
Output Force(ton)	14	Tip Clearance(mm)	6	Hydraulic Coupler	TBC 381F(PT3/8)	Pump	1B, 08 or 1/2HP



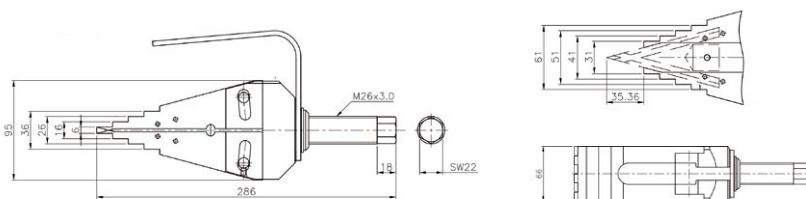
Specifications

Model	TFS 555	Max. Spread(mm)	47	Maximum Pressure(bar)	700	Weight(kg)	3.4
Output Force(ton)	5	Tip Clearance(mm)	20	Hydraulic Coupler	TBC 381F(PT3/8)	Pump	1B, 08 or 1/2HP



Specifications

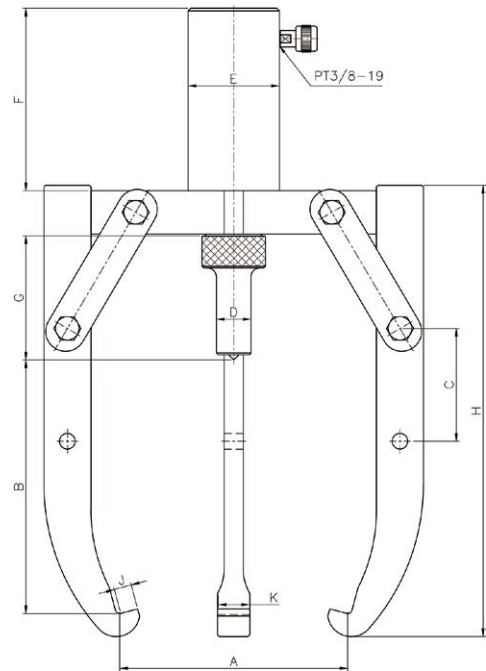
Model	TFS 949	Max. Spread(mm)	94	Maximum Pressure(bar)	700	Weight(kg)	2.0
Output Force(ton)	1	Tip Clearance(mm)	9	Hydraulic Coupler	TBC 381F(PT3/8)	Pump	1B, 08 or 1/2HP



Specifications

Model	TFSM 661	Max. Spread	61	Weight(kg)	5.6
Output Force(ton)	8	Tip Clearance(mm)	6	Work type	Hand operated

Hydraulic Pullers



- Capacity : 10~50ton
- Stroke : 150mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Hydraulic pullers used when removing bearing, gear or pulley from shafts

■ Specifications

Model	Cylinder Capacity (ton)	Stroke (mm)	Oil Capacity (cc)	Max. Spread (mm)	Max. Reach (mm)	Distance Between Hole (mm)	Puller Center Dia.	Cylinder Out Dia.	Retracted Height	Puller Center Length	Puller Leg Length	Tip Depth	Jaw Width	Weight (kg)	Pump
				A	B	C	D								
TPUL-10	10	150	228	180	240	75	22	62	180	135	379.5	16	26	13.5	1B or 08
TPUL-20	20	150	498	280	400	130	35	88	205	138	480	21	31	30.5	
TPUL-30	30	150	660	280	420	130	40	104	210	145	520	25	37	45.4	1C or 17
TPUL-50	50	150	1070	360	520	150	60	128	220	180	653	27	45	84	



- This tool is for pulling out the connector (linked with orbit) when repairing orbit of various heavy equipments

Model	Cylinder (ton)	Stroke (mm)	Oil Capacity (cc)	Max. Pressure (bar)
TPUL-K1	17.8	73	570	700

Oil - L - Jacks

TLJ-52.5



TLJ-105

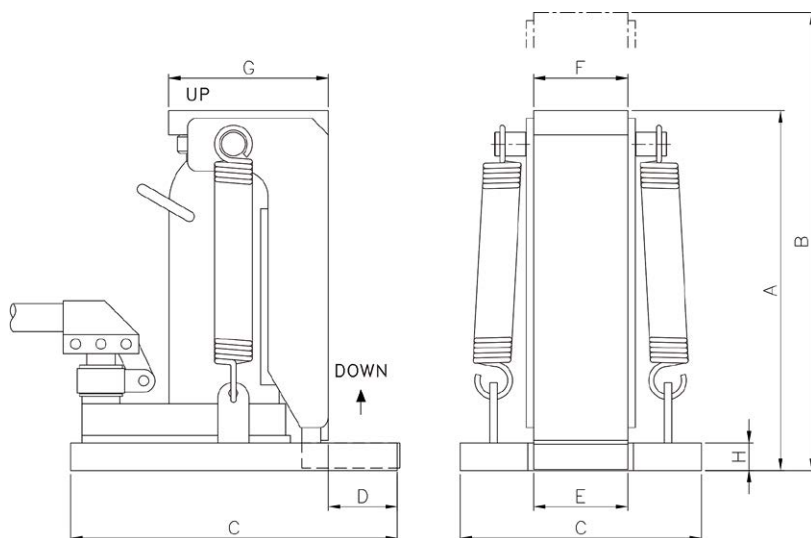


TLJ-2010



TLJ-3015





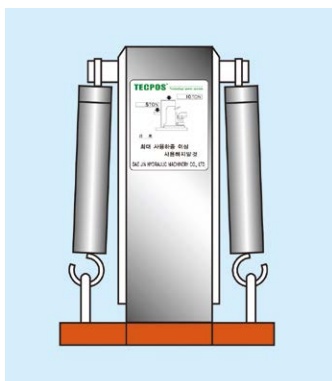
- Capacity : 2.5~15ton(Down), 5~30ton(Up)
- Stroke : 120~160mm
- Maximum Pressure : 140bar
- For use in very confined work areas

■ How to understand Model No.

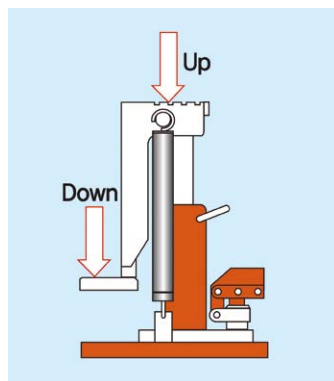
TLJ-52.5

- Down Capacity
- Up Capacity
- L - Jack
- TECPOS

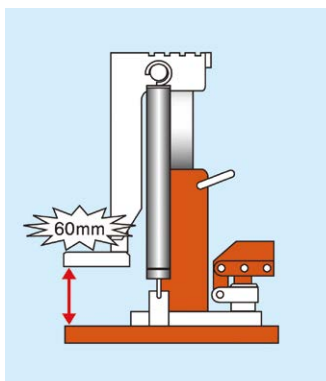
■ How to use Oil-L-JACKS



Never exceed the maximum capacity.



When lifting an object, support the top in the center and press to the inside edge of the bottom plate.



Keep the stroke less than 60mm when lifting an object from the bottom.



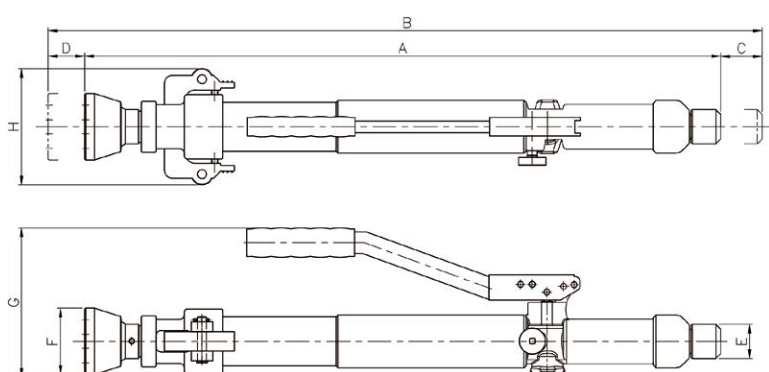
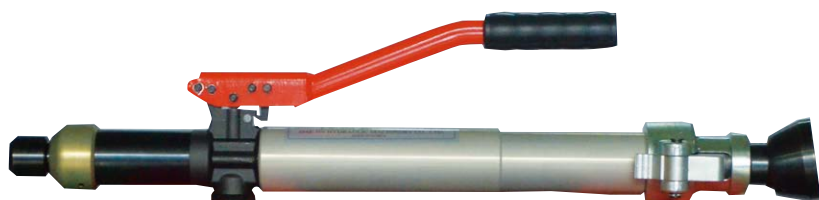
Keep the Jack even at all times on level ground.

■ Specifications

Model	Cylinder Capacity(ton)		Stroke (mm)	Retracted Height	Extended Height	Base Dimension					Base Thickness	Weight (kg)
	UP	Down		A	B	C	D	E	F	G	H	
TLJ-52.5	5	2.5	120	237	357	173×226	45	65	65	105	19	11.6
TLJ-105	10	5	150	286	436	192×260	57	75	75	127	22	18.9
TLJ-2010	20	10	160	327	487	246×288	69	100	100	148	28	34.3
TLJ-3015	30	15	160	352	512	273×306	60	120	122	165	32	51.1

Hydraulic Tools

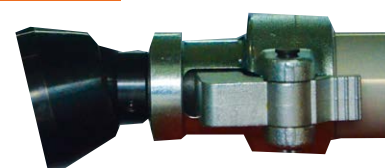
• Welding Jack Pump



Head Type



Saddle Type



- Capacity : 5~10ton
- Stroke : 90~200mm
- Maximum Pressure : 700bar
- Cylinders are load return "C" and spring return



■ Specifications

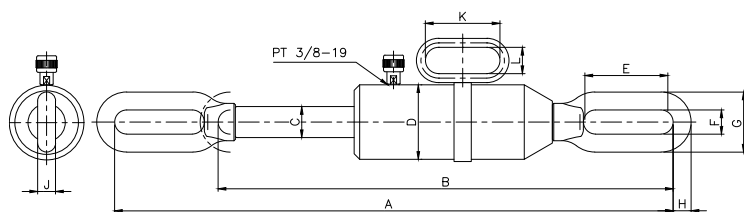
Model	Output Force (ton)	Retracted Height (mm)	Extended Height (mm)	Output Piston Stroke (mm)	Output Saddle Stroke (mm)	Head Dia. (mm)	Saddle Dia.(mm)	Welding Jack Height (mm)	Welding Jack Width (mm)	Weight (kg)
		A	B	C	D	E	F	G	H	
TWJ 5B -580	4.8	580	675	95	128	35	68	153	68	5.4
TWJ 5B-650	4.8	650	873	95	128	35	68	153	119	6.7
TWJ 5B-750	4.8	750	1069	95	224	35	68	153	119	7.6
TWJ 10C-680	8.7	680	877	85	112	35	68	147	124	12

Hydraulic Tools

• Aluminum Pulling Jack



- Capacity : 10~100ton
- Stroke : 150~200mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- They are equipped with eyebolts and spring-return
- Aluminum pulling jacks are almost half the weight of steel pulling jacks
- This Jack is suitable for shipyards, large construction sites, such as welding jobs



■ How to understand Model No.

TAPJ-10150

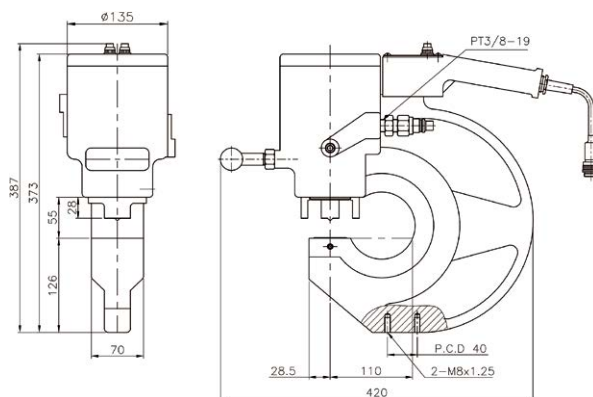
- Stroke, 150mm
- Capacity, 10ton
- Aluminum Pulling Jack
- TECPOS

■ Specifications

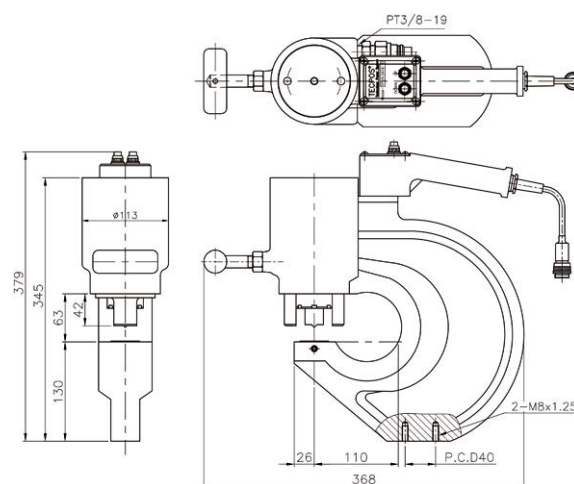
Model	Cylinder Capacity (ton)	Stroke (mm)	Oil Capacity (cc)	Dimension											Weight (kg)	Pump
				A	B	C	D	E	F	G	H	J	K	L		
TAPJ-10150	10	150	236	763	613	40	88	115	30	67	32	30	71	29	10.3	1B, 08 1/2HP
TAPJ-20150	20	150	424	809	659	45	108	130	35	87	26	26	71	29	13.9	
TAPJ-30150	30	150	660	875	725	50	125	145	44	108	32	32	100	30	19	
TAPJ-30200	30	200	880	975	775	50	125	145	44	108	32	32	100	30	23	1C, 17 1/2HP
TAPJ-50150	50	150	1082	897	747	54	158	150	50	130	60	40	108	38	34	
TAPJ-50200	50	200	1443	997	797	54	159	150	50	130	60	40	108	38	36	25
TAPJ-100150	100	150	2076	1101.5	951.5	80	238	200	51	169	82	60	108	38	95	1/2HP

Hydraulic Punches

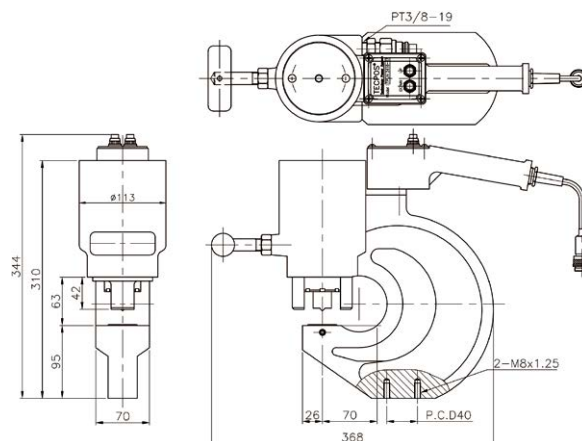
TPUN-2420



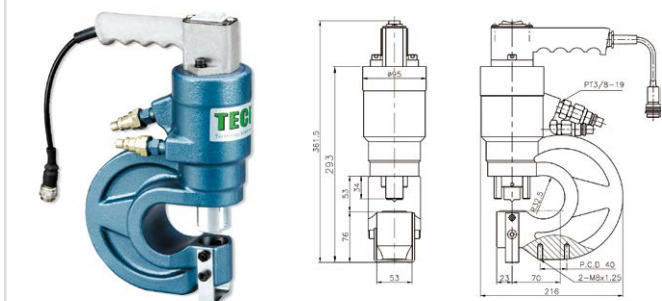
TPUN-2416-11



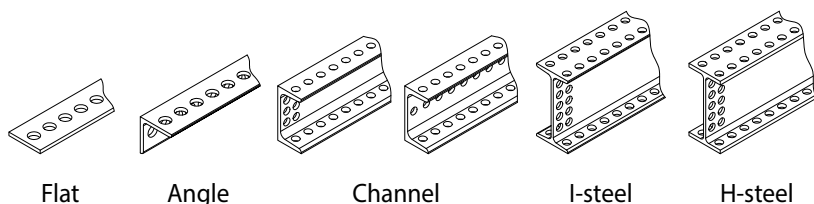
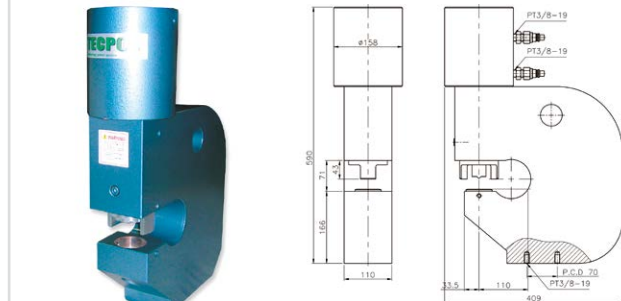
TPUN-2416-07



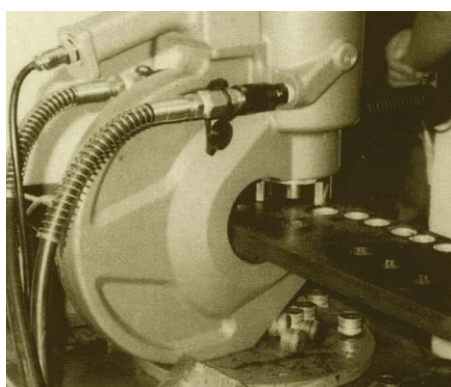
TPUN-2012 (Double Acting Type)



TPUN-3222 (Double Acting Type)



- Capacity : 32, 47, 60, 85ton
- Maximum Punching Diameter : Ø32
- Maximum Pressure : 700bar
- Punching through I-Beams, H-Beams, Mild steel, etc : ss400
- Hydraulic Coupler : TBC 384M(PT3/8)/DN38M



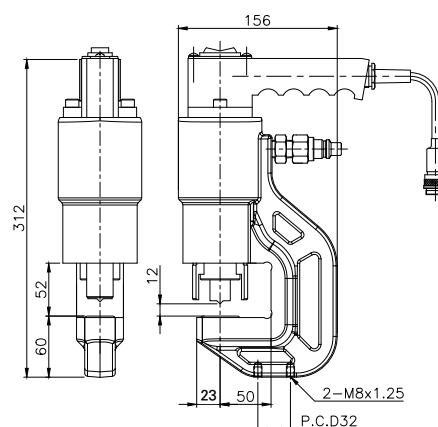
■ Specifications

Model	Max. Punching Diameter (ø)	Max. Punching Thickness (mm)	Max. Center Depth (mm)	Cylinder Capacity (ton)	Weight (kg)	Time for 1 Hole		Pump	Standard Punch & Die
TPUN-2012S	20.5	12	70	32	13	1HP	6sec	1HP Single	ø10, ø12 ø14, ø16
TPUN-2012								1HP Double	
TPUN-2416-07	24	16	70	47	21	2HP	5sec	2HP Double	ø18, ø20 ø22, ø24
TPUN-2416-11			110		28				
TPUN-2420	24	20	110	60	34	3HP	6sec	2HP, 3HP	ø18, ø20, ø22, ø24
TPUN-3222	32	22		85	132			3HP~5HP	

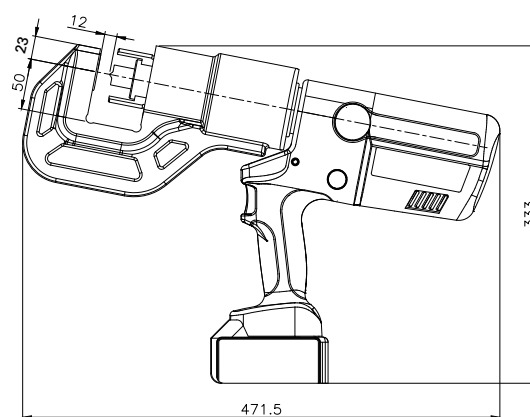
※ The above options are subject to change without prior notice

Hydraulic Punches

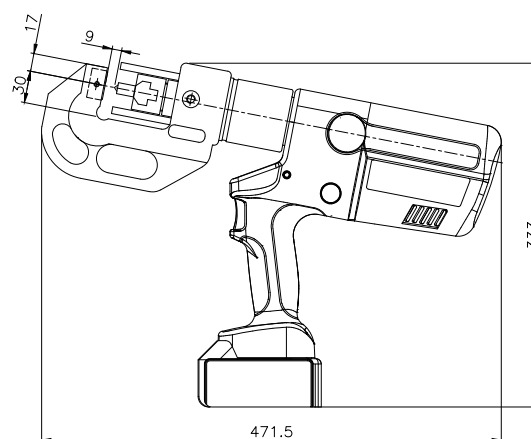
TPUN-2010



TBPC-2010



TPUN-1705

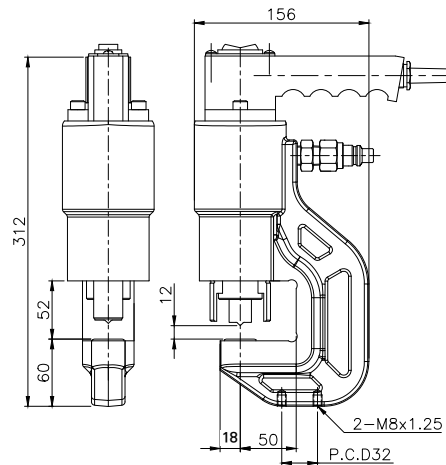


■ Specifications

Model	Max. Punching Diameter (ø)	Max. Punching Thickness (mm)	Max. Center Depth (mm)	Cylinder Capacity (ton)	Weight (kg)	Pump	Standard Punch & Die
TPUN-2010	20.5	10	50	24	8.5	1HP Single	ø10.5, ø13.5, ø17.5, ø20.5
TBPC-2010	20.5	10	50	24	10.8	Battery Li-ion 18V	ø10.5, ø13.5, ø17.5, ø20.5
TPUN-1705	17.5	5	30	13	7.1	Battery Li-ion 18V	ø10.5, ø13.5, ø17.5

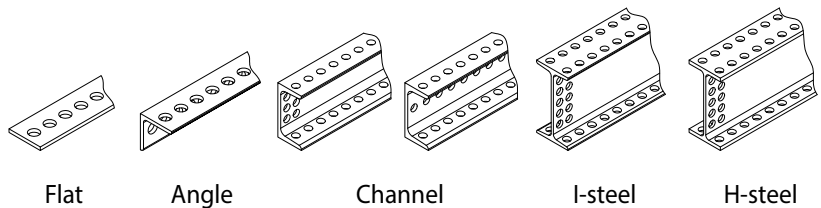
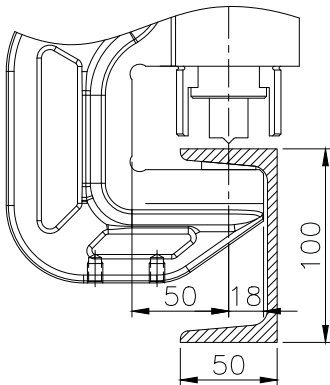
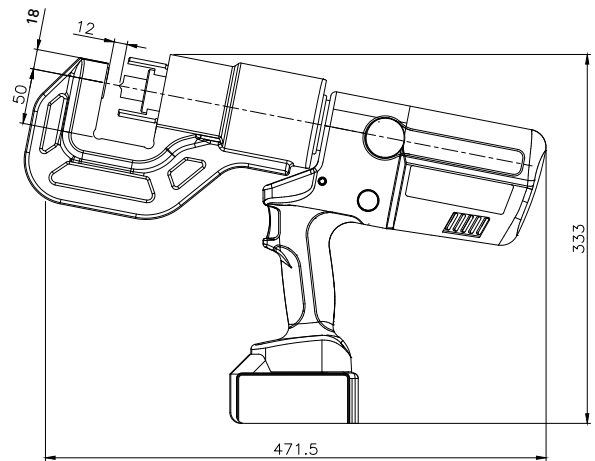
TPUN-1710C

Channel Type



TBPC-1710C

Channel Type



■ Specifications

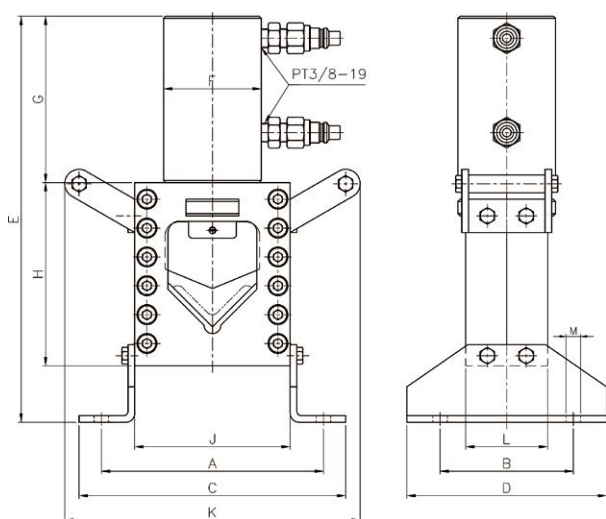
Model	Max. Punching Diameter (ø)	Max. Punching Thickness (mm)	Max. Center Depth (mm)	Cylinder Capacity (ton)	Weight (kg)	Pump	Standard Punch & Die
TPUN-1710C	17.5	10	50	24	8.5	1HP Single Sol	Channel Type, ø10.5, ø13.5, ø17.5
TBPC-1710C	17.5	10	50	24	10.8	Battery Li-ion 18V	Channel Type, ø10.5, ø13.5, ø17.5

Hydraulic Tools

• Angle Cutters



- Capacity : 20~50ton
- Stroke : 45~70mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC384M(PT3/8) or DN38M
- Angle cutters available with hand or electric pumps

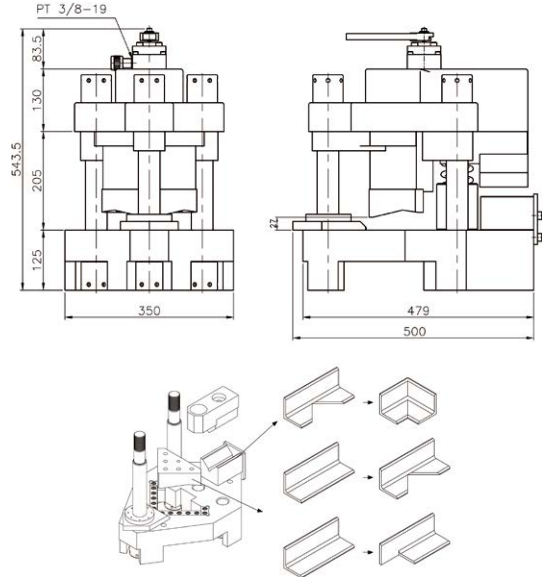


■ Specifications

Model	Cylinder Capacity (ton)	Stroke (mm)	Oil Capacity (cc)	Max. angle	Pump	Dimension(mm)											Weight (kg)	
						A	B	C	D	E	F	G	H	J	K	L		M
TAC-50	20	45	150	50x50x6T	1/2HP Double	200	120	240	180	366	88	150	165	140	266	74	ø13	18
TAC-75	30	65	288	75x75x10T		260	140	300	200	481	105	210	220	200	300	86	ø13	37
TAC-100	50	70	497	100x100x13T	1HP Double	360	220	420	300	596	128	215	300	260	374	116	ø13	78
TAC-150	70	90	965	150x150x15T		450	300	500	400	735	155	245	385	350	470	146	ø16	145

Hydraulic Tools

• Notching Machine

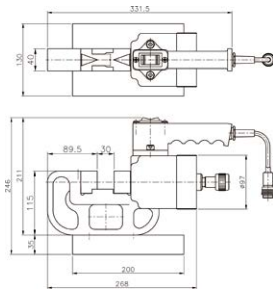


- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 384M or DN38M

■ Specifications

Model	Max Cutting Thickness(mm)	Max Angle	Cutting Capacity (ton)	Bending Capacity(ton)	Suitable Pump	Weight (kg)
TNC-100	10	100×100×10T	44.5	30	2HP Single Sol	187

• Rod Cutter

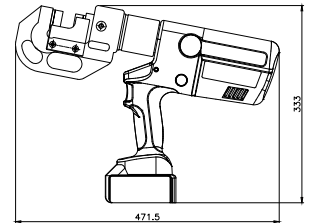


- Capacity : 30ton
- Stroke : 30mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8), TBC 384F or DN38M
- Round Bar cutters available with hand or electric pumps

■ Specifications

Model	Output Force(ton)	Round bar	Stroke(mm)	Max Cutting Dia(φ)	Suitable Pump	Weight (kg)
TRC 25	30	SS400	30	25	1/2HP Single Sol	9
TBRC 20	13	SS400	20	21	Battery Li-ion 18V	7.5
TRC 20-N	13	SS400	20	21	1/2HP Single Sol	5.6

• Battery Cutter



TRC20-N



- Capacity : 13ton
- Stroke : 20mm
- Size : 427×323×80mm
- Material : Steel wire /steel bar, Reinforcing rod, Al/Cu Bar
- Voltage(V) : Battery Li-ion 18V

Hydraulic Hand Pumps **BRAND NEW**

ESP-05



ESP-08



ESP-17



ESP-25



ESP-50



ESP-280



- Reservoir Capacity : 500~5000cc
- Volume Per Stroke : High Pressure : 2.47~2.94cc/stroke
Low Pressure : 20.9~41.0cc/stroke

- Maximum Pressure 2800bar
- To order double acting hand pump add the letter "D" to the model No. ex) ESP-08-D



ESP-05, 08



ESP-17, 25, 50



ESP-05, 08



ESP-17, 25, 50

Pressure gauge (option)

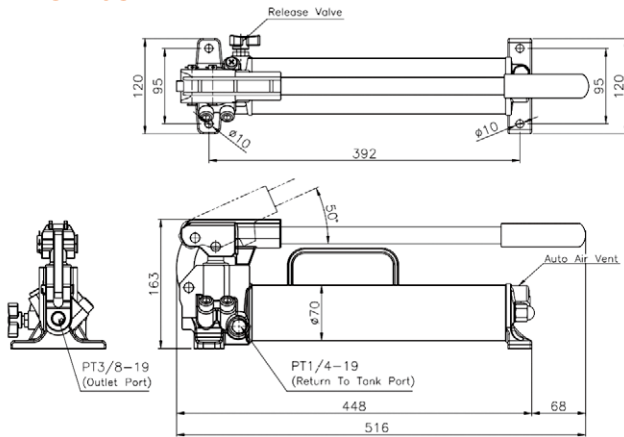
Manual valve (option)

■ Specifications

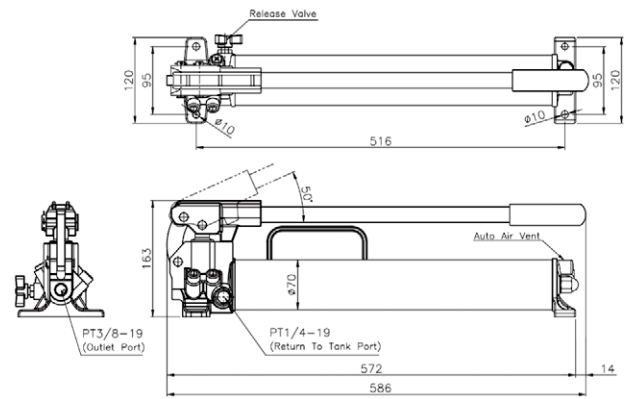
Model	Usable Oil Capacity (cc)	Oil Tank Capacity (cc)	Volume Per Stroke (cc/cycle)		Piston Stroke (mm)	Max. Hand Effort (kg)	Material	Weight (kg)	Working Pressure (bar)
			High	Low					
ESP-05	500	800	2.47(at 700 bar)	20.9(at 20bar)	26	44	ALUMINUM	4.6	700
ESP-08	800	1000	2.47(at 700 bar)	20.9(at 20bar)	26	35		5.3	
ESP-17	1700	2000	2.47(at 700 bar)	32.7(at 20bar)	26	35		7.2	
ESP-25	2500	2800	2.94(at 700 bar)	41(at 20bar)	26	38.5		8.6	
ESP-50	5000	5500	2.94(at 700 bar)	41(at 20bar)	26	38.5		14.5	
ESP-280	1700	2000	0.8(at 500 bar)	20(at 20bar)	26	48.3		7.7	2800

TECPOS

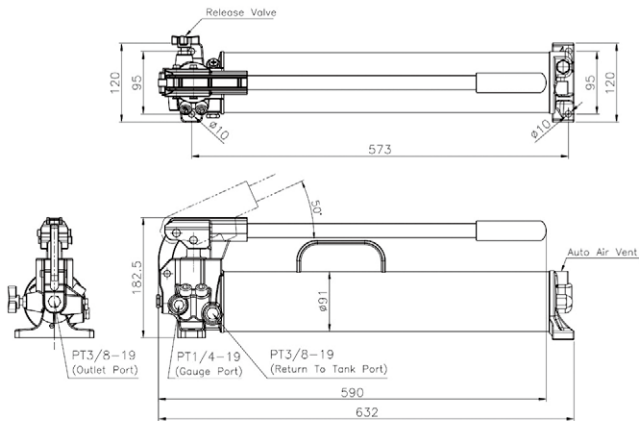
ESP-05



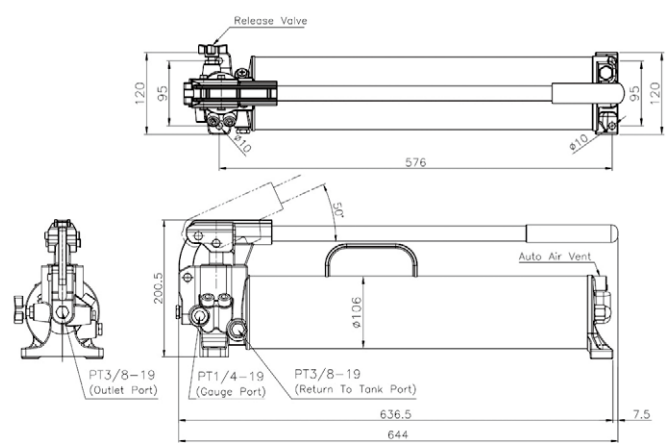
ESP-08



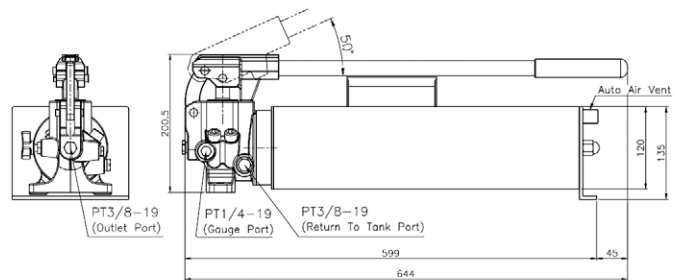
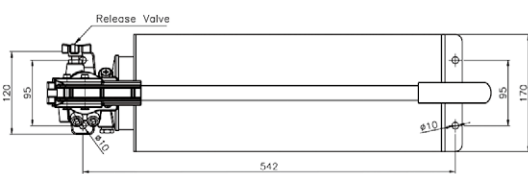
ESP-17



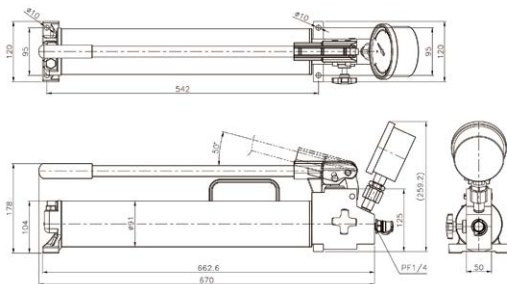
ESP-25



ESP-50

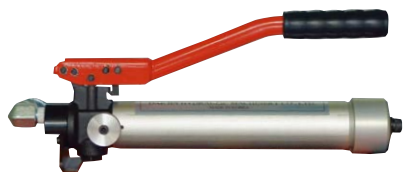


ESP-280



Hydraulic Hand Pumps

THP-1AB



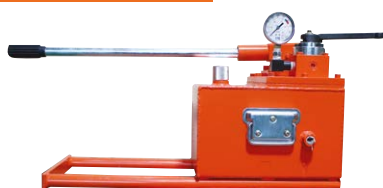
THPA-1B



THPA-1C



THP-3B



THPA-1B-D



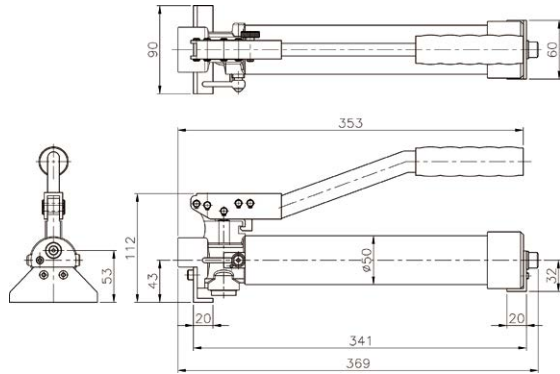
- Reservoir Capacity : 250~10000cc
- Volume per stroke : High Pressure : 0.5~4.7cc/stroke
Low Pressure : 5~85cc/stroke

- Maximum Pressure : 700bar
- To order double acting hand pump add the letter "D" to the model No. ex) THPA-1B-D

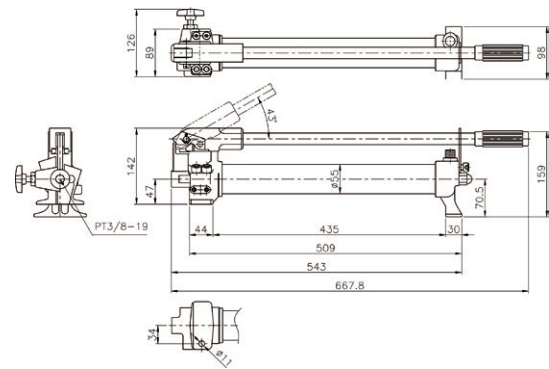
■ Specifications

Model	Oil Tank Capacity (cc)	Volume Per Stroke (cc/cycle)		Piston Dia.(mm)		Piston Stroke (mm)	Max. Hand Effort (kg)	Material	Weight (kg)	Working Pressure (bar)
		High	Low	High	Low					
THP-1AB	250	0.5 (at 700bar)	3.0 (at 20bar)	8	20	10	29	ALUMINUM	2.5	700
THPA-1B	800	2.0 (at 700bar)	13.0 (at 20bar)	11	28	20.5	44	ALUMINUM	5.3	
THPA-1C	1600	2.0 (at 700bar)	16.5 (at 20bar)	11	32	20.5	37	ALUMINUM	7	
THP-3B	10000	4.7 (at 700bar)	85 (at 20bar)	14	60	30	50	STEEL	38	

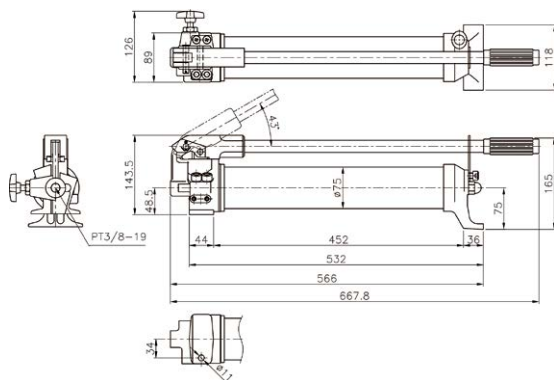
THP-1AB



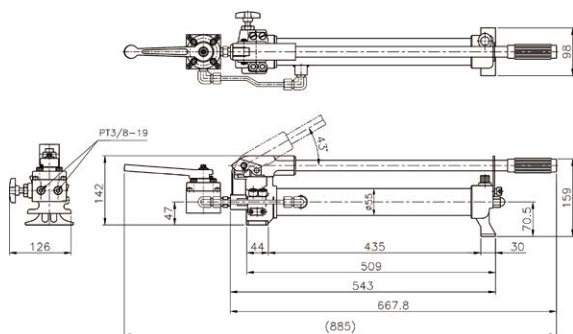
THPA-1B



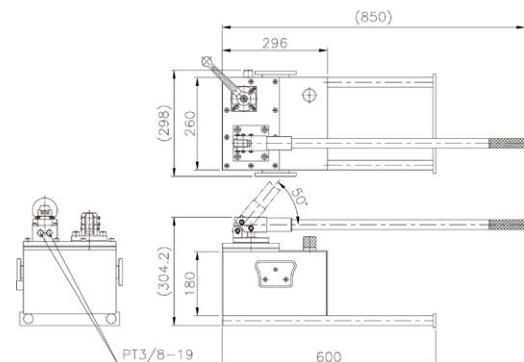
THPA-1C



THPA-1B-D(Double Acting)

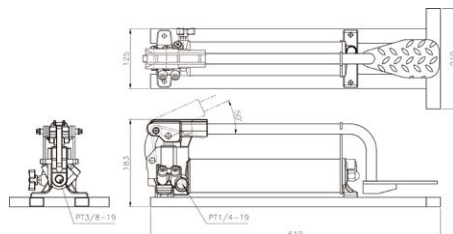


THP-3B(Double Acting)



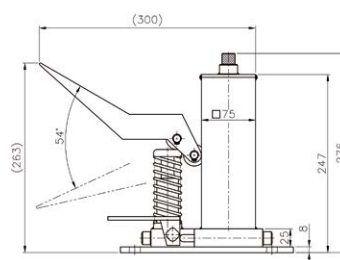
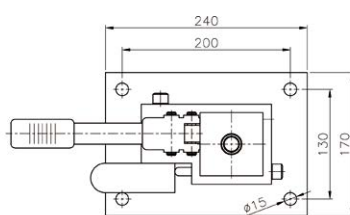
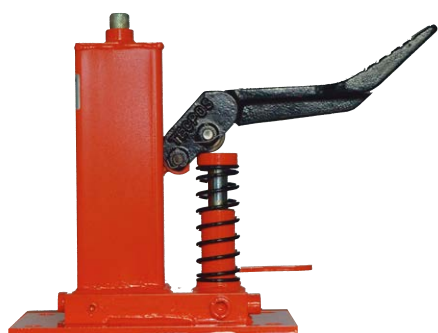
Hydraulic Foot Pumps

• Foot Pump



■ Specifications

Model	Usable Oil Capacity (cc)	Oil Tank Capacity (cc)	Volume per stroke (cc/cycle)		Piston stroke (mm)	Max. Hand Effort (kg)	Material	Weight (kg)	Working Pressure (bar)
			High	Low					
ESP-05F	500	800	2.47(at 700 bar)	20.9(at 20bar)	26	35	ALUMINUM	6.7	700

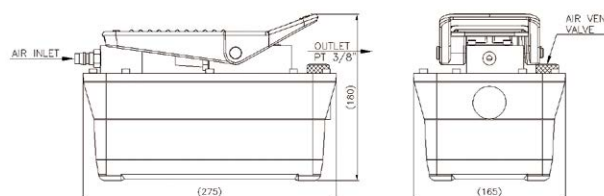


- Maximum Pressure : 210bar
- Selection : To use 30% more than cylinder oil capacity

■ Specifications

Model	Reservoir Capacity(cc)	Maximum Pressure(bar)	Volume per stroke(cc)	Piston Dia.(mm)	Piston stroke(mm)	Weight(kg)
TFP-720	720	210	7.63	18	30	12

• Air Foot Pump

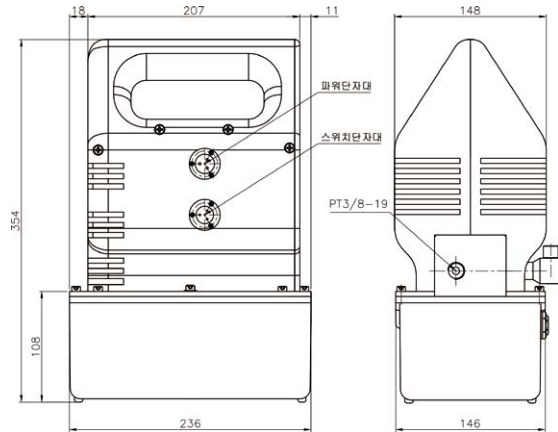


■ Specifications

Model	Air pressure (bar)	Working Pressure (bar)	Output Flow Rate (l /mm)	Dimensions (mm)			Reservoir Capacity (l)	Weight (kg)
				L	W	H		
TAFP-700	7	720	1.0	275	165	175	2	7.3

Hydraulic Mini Pumps

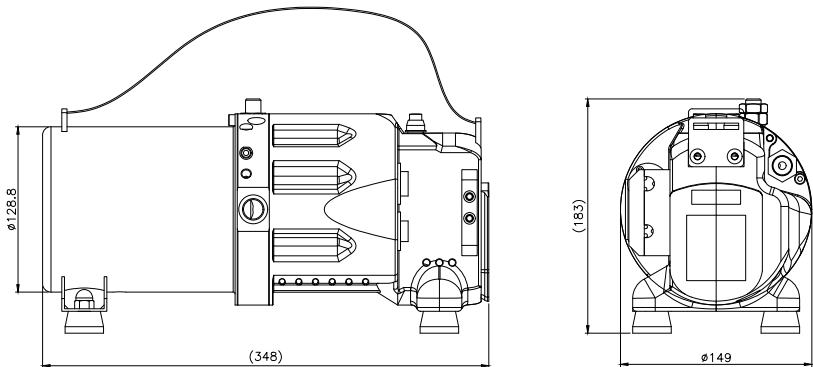
• AC Pump



- Maximum Pressure : 700bar
- Remote Control Type

■ Specifications

Model	Pressure Capacity(bar)		Out-put Flow Rate(ℓ /min)		Voltage (V)	Required oil (ℓ)	Weight (kg)
	High	Low	High	Low			
TMPM 1/2	700	70	0.3	2.5	220V Single	2	8.5



■ Specifications

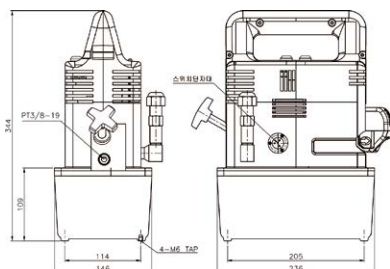
Model	Valve Type	Purpose of Use	Pressure Capacity(bar)		Out-put Flow Rate(ℓ /min)		Voltage (V)	Required oil (ℓ)	Weight (kg)
			High	Low	High	Low			
TMPH-1/2-C	Cock	Hydraulic Tool	700	20	0.3	2.5	AC200V 50/60Hz (Single)	1.5	8.4
TMPH-1/2-S	Single Solenoid								
TMPH-1/2-SA		Crimping, Cutting							

Hydraulic Mini Pumps

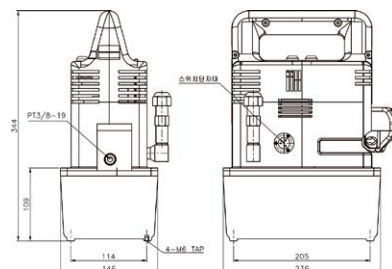
• DC Pump (Battery Operated)



TDPM 1/3-S



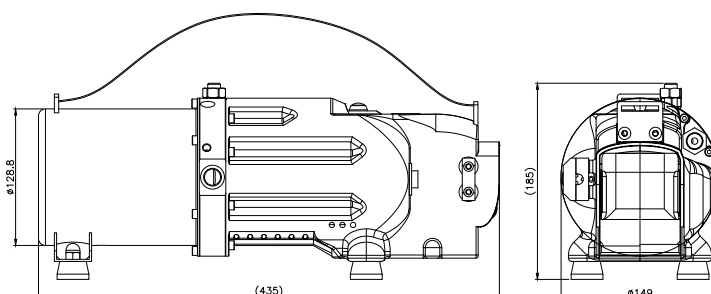
TDPM 1/3-C



- Battery : Li-ion 18v
- Maximum Pressure : 700bar
- Cock or Single Solenoid Type

■ Specifications

Model	Type	Working Pressure (bar)	Out-put Flow Rate (ℓ /min)		Voltage (V)	Required oil (ℓ)	Weight (kg)
			High	Low			
TDPM 1/3-C	Cock	700	0.2	2.0	Battery Li-ion 18V	2	8.4
TDPM 1/3-S	Single Solenoid	700	0.2	2.0	Battery Li-ion 18V	2	8.6



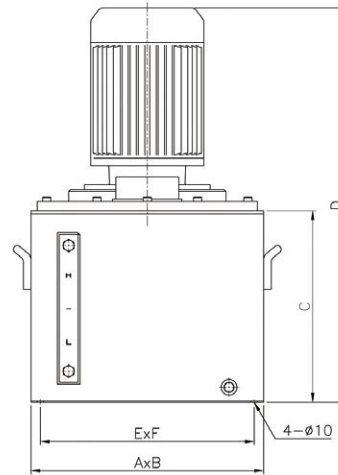
■ Specifications

Model	Valve Type	Purpose of Use	Working Pressure(bar)		Out-put Flow Rate (ℓ /min)		Voltage (V)	Required oil (ℓ)	Weight (kg)
			High	Low	High	Low			
TDPH-1/3-C	Cock	Hydraulic Tool	700		0.2	2.0	18V 5.0Ah (Li-ion Battery)	1.5	8.4
TDPH-1/3-S	Single Solenoid	Hydraulic Tool							8.6
TDPH-1/3-SA		Crimping, Cutting							8.6
TDPH-1/3-SH		Hydraulic Tool							8.6
TDPH-1/3-HS		Indirect live-line work							8.7

Electric Hydraulic Pumps

• Electric Hydraulic Pumps(700bar)

Single Sol Type



Manual Type(Single/Double Acting)



Double Sol Pilot c/v Type



Double Sol Type

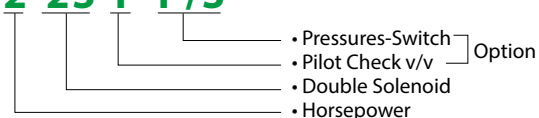


Model	Dimension			
	A X B	C	D	E X F
TMP 1/3	185×315	120	405	160×296
TMP 1/2	225×295	179	445	195×265
TMP 1	225×295	235	459	195×265
TMP 2	300×370	269	593	263×364
TMP 3	370×515	305	640	340×516
TMP 5	370×515	405	750	340×516

- Reservoir Capacity : 5.5~69.5liter
- Output Flow Rate : 0.24~3.5(High), 2~15.7(Low)
- Maximum Pressure : 700bar
- For use of both single and double acting cylinders
- To order solenoid valve add the letter "S" to the model No ex)TMP2-S

■ How to understand Model No.

TMP2-2S-P-P/S

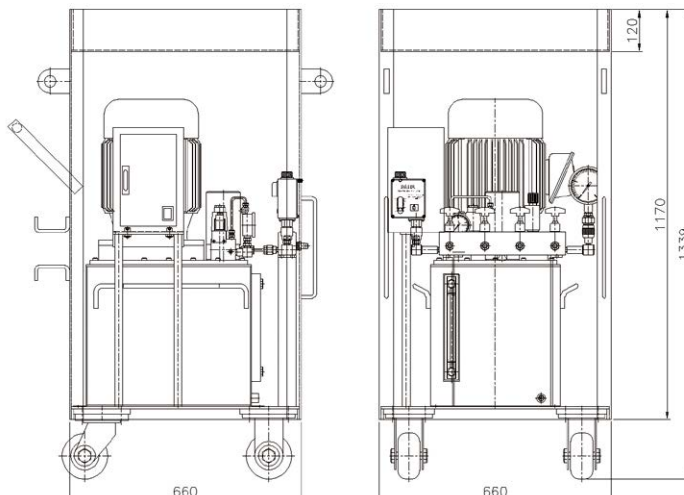


■ Specifications

Model	Type	Pressure Capacity (bar)		Output Flow Rate (ℓ /min)		Voltage (V)	Electric Motor			Require Oil (liter)	Reservoir Capacity (liter)	Weight (kg)
		High	Low	High	Low		(Kw)	(Pole)	(RPM)			
TMP 1/3-M	MANUAL	700	70	0.24	2	220V SINGLE	0.25	4	1720	3.5	5.5	26.2
TMP 1/3-S	SINGLE SOLENOID	700	70	0.24	2	220V SINGLE	0.25	4	1720	3.5	5.5	26.1
TMP 1/2-M	MANUAL	700	70	0.43	2.58	220V SINGLE	0.4	4	1720	6	9	34.3
TMP 1/2-S	SINGLE SOLENOID	700	70	0.43	2.58	220V SINGLE	0.4	4	1720	6	9	33.8
TMP 1/2-2S	DOUBLE SOLENOID	700	70	0.43	2.58	220V SINGLE	0.4	4	1720	6	9	34.9
TMP 1-M	MANUAL	700	70	0.86	4.3	220V SINGLE	0.75	4	1720	8.4	12	40.1
TMP 1-S	SINGLE SOLENOID	700	70	0.86	4.3	220V SINGLE	0.75	4	1720	8.4	12	40.5
TMP 1-2S	DOUBLE SOLENOID	700	70	0.86	4.3	220V SINGLE	0.75	4	1720	8.4	12	41.5
TMP 2-M	MANUAL	700	130	1.59	7.1	220V & 380V 3-PHASE	1.5	4	1720	17	24.5	81.7
TMP 2-2S	DOUBLE SOLENOID	700	130	1.59	7.1	220V & 380V 3-PHASE	1.5	4	1720	17	24.5	82
TMP 3-M	MANUAL	700	130	2.12	10.5	220V & 380V 3-PHASE	2.2	4	1720	36	52	102.4
TMP 3-2S	DOUBLE SOLENOID	700	130	2.12	10.5	220V & 380V 3-PHASE	2.2	4	1720	36	52	103
TMP 5-M	MANUAL	700	130	3.5	15.7	220V & 380V 3-PHASE	3.7	4	1720	48	69.5	141.4
TMP 5-2S	DOUBLE SOLENOID	700	130	3.5	15.7	220V & 380V 3-PHASE	3.7	4	1720	48	69.5	142

Electric Ultra-high Pressure Hydraulic Pump

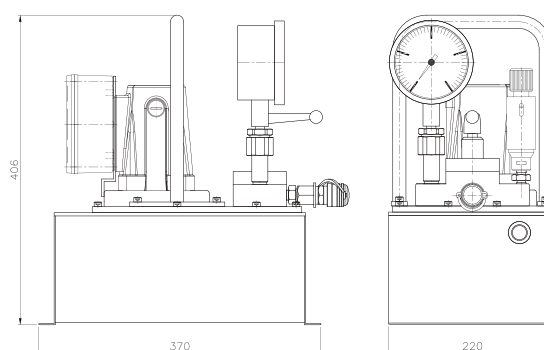
• Electric Hydraulic Pumps(2,500bar)



■ Specifications

Model	Type	Pressure Capacity(bar)		Out-put flow rate(ℓ /min))		Voltage (V)	Electric Motor			Required Oil (ℓ)	Reservoir Capacity (ℓ)	Weight (kg)
		High	Low	High	Low		(Kw)	(Pole)	(RPM)			
TMP 5-S2500	SINGLE SOLENOID	2500	100	0.8	5.6	220v & 380v 3-PHASE	3.7	4	760	48	69.5	142
TMP 3-C2000	COCK	2000	100	1.0	8.8	220v & 380v 3-PHASE	2.2	6	1200	36	52	103
TMP 5-C2500	COCK	2500	100	0.8	5.6	220v & 380v 3-PHASE	3.7	6	1200	48	69.5	142

• Electric Hydraulic Pumps(2,000bar)



■ Specifications

Model	Type	Pressure Capacity(bar)		Out-put flow rate(ℓ /min)		Voltage (V)	Electric Motor			Required Oil (ℓ)	Reservoir Capacity (ℓ)	Weight (kg)
		High	Low	High	Low		(Kw)	(Pole)	(RPM)			
TMPB1-1HP-2500C	COCK TYPE	2500	20	0.15	1.0	220v 50/60Hz (Single)	1.1	-	-	6.0	9	26.3

Hand Hydraulic Cutting Tools

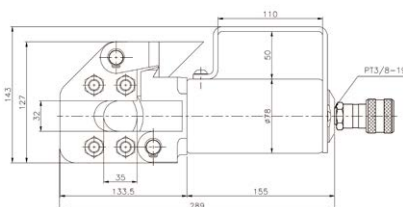


- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 384F(PT3/8) or DN38M

■ Specifications

Model	Capacity (ton)	Features (mm)	Dimension (mm)	Suitable Pump	Weight (kg)	Pump
TCC40-N	8	40	330×96×58	Hand Pump or Electric Pump	4.3	ESP-05 ESP-08 THPA-1B or TMPM-1/2, TDPM-1/3
TCC55B-N	10	55	394×110×68		6.6	
TCC55-N	7.5	55	370×140×42		4.2	
TCC85B-N	5	85	410×140×69		5.0	
TCC85-N	7.5	85	400×194×88		4.9	
TCC100-N	8	100	470×152×76		7.6	
TCC132-N	8	132	550×185×76		13	
TCC180-N	27	175	958×300×127		68	
TCC24	8	24	500×150×48	Without Pump	4.3	
TCC40	8	40	590×150×48		5.8	
TCC55B	10	55	658×117×68		8.4	
TCC55C	7.5	55	650×190×60		4.5	
TCC85B	5	85	678×140×69		6.6	
TCC85C	7.5	85	680×220×69		6.3	

• Wire Cutter



■ How to understand Model No.

TCT32-N

- Without Pump
- Wire Dia
- Wire Cutter
- TECPOS

- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 384F(PT3/8) or DN38M

■ Specifications

Model	Capacity (ton)	Stroke (mm)	Features (mm)	Dimension (mm)	Suitable Pump	Weight (kg)
TCT32-N	20	40	32	289×143×78ø	Hand Pump or Electric Pump	9.4

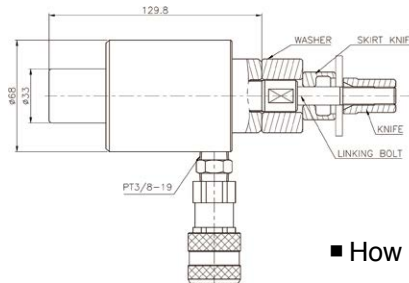
Hydraulic Punches

• Hydraulic Knockout Punches

TKOP-2 / TKOP-4



TKOP-P2 / TKOP-P4



■ How to understand Model No.

TKOP-2"

- Model No. Size
- Knockout Punch
- TECPOS

- Punching Capacity : 1/2" ~ 4"
- Cylinder Capacity : 10ton
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 384F(PT3/8) or DN38M
- "THP-1AB" is suitable for use(p.32)

■ Specifications

Model	Capacity (ton)	Punching Thickness(mm)		Max. Punching Dia (ø)	Weight (kg)
		SS400	SUS		
TKOP-2	10	3.2	1.6	1/2" - 2"	14
TKOP-4				1/2" - 4"	22
TKOP-P2	10	3.2	1.6	1/2" - 2"	16.2
TKOP-P4				1/2" - 4"	24.2

Size	Punching Dia(ø)	Cable Out Dia(ø)	Screw	Remark
B16(1/2)″	21.8	21.0	7/16″×20S	11(mm)
B22(3/4)″	27.6	26.5	3/4″×16S	After make a hole with a ø11(mm) drill, B16(1/2) punch is need to enlarge drill hole
B28(1)″	34.1	33.3		
B36(1 1/4)″	42.7	41.9		
B42(1 1/2)″	48.7	47.8		
B54(2)″	60.5	59.6		
B70(2 1/2)″	76.1	75.2	1″×12S	
B82(3)″	88.9	87.9		
B104(4)″	115.5	113.4		

TBKOP-2



■ Specifications

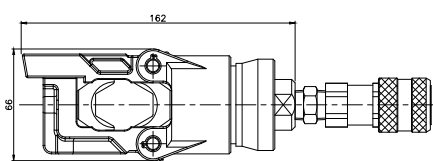
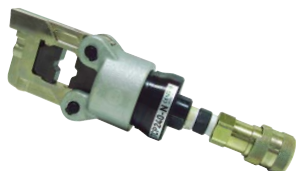
Model	TBKOP-2"		
Capacity(ton)	8	Size(mm)	116×480×80
Stroke(mm)	25	Weight(kg)	4.7
A range of application	TBKOP-2 ▶ B16(1/2)", B22(3/4)", B28(1)", B36(13/4)", B42(11/2)", B54(2)"		
Punching Dia(mm)	3.2(Under SS400), 1.6(Under SUS)	Voltage(V)	Battery Li-ion 18V

※ The above options are subject to change without prior notice

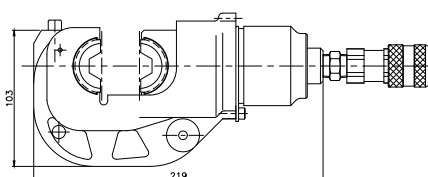
Hydraulic Tools

• Hydraulic Crimping Heads

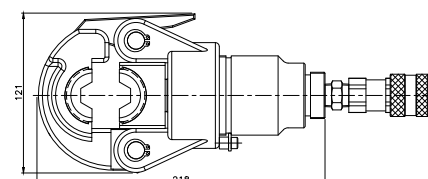
TCP240-N



TCP400-32-N



TCP400-20-N



- Maximum Pressure : 700bar(TCP240-N 500bar)
- Hydraulic Coupler : TBC 384F or DN38M(PT3/8)



■ How to understand Model No.

TCP240-N

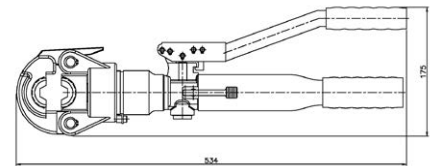
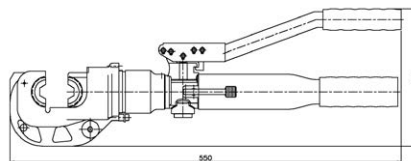
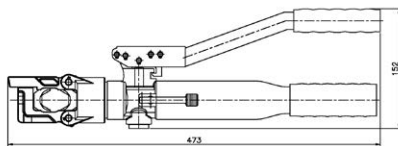
- Without Pump
- Terminal Crimp Press
- Crimping Press
- TECPOS

■ Specifications

Model	Capacity (ton)	Stroke (mm)	Size (mm)	A range of application	Weight (kg)	Suitable Pump
TCP240-N	6	14	74×190	IEC 16~240mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240) AIR(1/2) & GAS(5/16), HOSE Crimping, Octagon DIES	1.4	ESP-05 ESP-08 THPA-1B or TMPM-1/2, TDPM-1/3
TCP400-32-N	13	32	75×300	IEC 16~400mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400) ACSR 32~160mm ² , Terminal crimp 8~150mm ² , Indent Type, Tap-off connector T20~T365	3.9	
TCP400-20-N	10	20	80×260		3.5	

Terminal Crimping Press

• Hand Hydraulic Crimping Tools



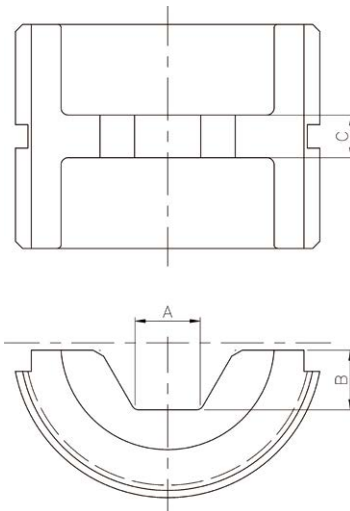
• Maximum Pressure : 700bar

■ Specifications

Model	Capacity (ton)	Stroke (mm)	Size (mm)	A range of application	Weight (kg)
TCP240	6	14	74×480	IEC 16~240mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240) AIR(1/2) & GAS(5/16), HOSE Crimping, Octagon DIES	3.0
TCP400-32	13	32	75×546	IEC 16~400mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400) ACSR 32~160mm ² , Terminal crimp 8~150mm ² , Indent Type, Tap-off connector T20~T365	5.7
TCP400-20	10	20	80×510		5.4

• Crimping Tools Dies (400/300/TBCT series)

■ Specifications



DIE NO.	A	B	TCP400-32N TCP400-32 TBCT400-32/40	TCP400-20N TCP400-20 TBCT400-20	TBCT/TBCT300
			C	C	C
16	3.8	3.1	13	13	6
25	4.5	3.8	13	13	6
35	5.1	4.6	13	13	6
50	6.1	5.1	13	13	6
70	7.4	6.3	13	13	6
95	8.6	7.2	13	13	6
120	9.6	8.1	13	13	6
150	10.5	8.9	13	13	5
185	11.6	9.9	13	13	5
240	14	11.7	10	10	5
300	15.5	12.3	10	7	5
400	16	14.05	10	7	-

※ The above options are subject to change without prior notice

Hydraulic Crimping Heads



- Capacity : 25~45ton
- Stroke : 29~35mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 384F(PT3/8) or DN38M
- Dies Hexagon
- To crimp various cable terminals by hydraulic Pressing
- Dies : 300, 400, 500, 630, 800, 1000

■ How to understand Model No.

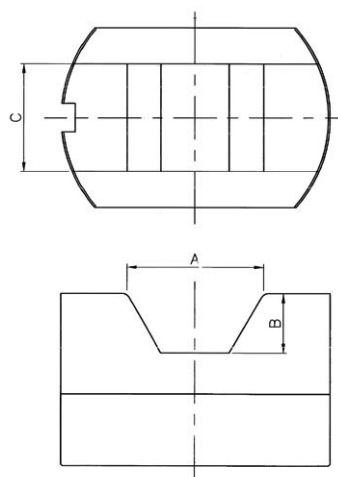
TTCP-630

- Capacity(50mm²)
- Terminal Crimp Press
- TECPOS

■ Specifications

Model	Capacity (ton)	Stroke (mm)	Size (mm)	Weight (kg)	A range of application	Using Pump	Standard Dies
TTCP630-N	25	29	99×249	5.1kg	Copper hexagon 300~630mm ²	THPA-1B or TMPM-1/2, TDPM-1/3	Dies 4Set ▶ 300, 400, 500, 630
TTCP800-N	35	35	119×269	8.1kg	Copper hexagon 400~800mm ²	THPA-1B or TMPM-1/2, TDPM-1/3	Dies 4Set ▶ 400, 500, 630, 800
TTCP1000-N	45	30	133×274	9.5kg	Copper hexagon 500~1000mm ²	THPA-1B or TMPM-1/2, TDPM-1/3	Dies 4Set ▶ 500, 630, 800, 1000

• Crimping Tools Dies



■ Specifications

DIE NO.	A	B	A range of application	C	A range of application	C	A range of application	C
300	28.3	12.2	TTCP-630					
400	32	14	TTCP-630		TTCP-800			
500	38.5	16	TTCP-630	27	TTCP-800	28	TTCP-1000	
630	42.2	17.5	TTCP-630		TTCP-800		TTCP-1000	30
800	46.8	19.8			TTCP-800		TTCP-1000	
1000	52.8	22.8					TTCP-1000	

Battery Operated Crimping Tools



• Voltage(V) : Battery Li-ion 18V

■ Specifications

Model	Capacity (ton)	Stroke (mm)	Size (mm)	Weight (kg)	A range of application
TBCP400-32	13	32	403×323×80	6.0	IEC 16~400mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400), (Indent Type) IEC 16~50mm ² , 70~185mm ² , 240~300mm ²
TBCP400-40	13	42	432×340×80	6.6	IEC 16~400mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400), (Indent Type) IEC 16~50mm ² , 70~185mm ² , 240~300mm ²
TBCP400-20	10	20	350×381×80	5.5	IEC 16~400mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240 exclusive use : 300, 400), (Indent Type) IEC 16~50mm ² , 70~185mm ²
TBCP300	6	20	116×491×87	4.0	IEC 16~300mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300)
TBCP240	6	14	116×409×80	1.8	IEC 16~240mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240), AIR(1/2) & GAS(5/16), (HOSE Crimping, Hexagon Dies) (Indent Type) : 16~150mm ²
TBCP185	8	20	116×491×87	4.0	IEC 16~185mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185) (Indent Type) : 16~50, 70~185mm ²
TBCP25	1.5	5	116×410×80	1.65	(Non-Insulated Solderless Terminals, 1.5~25SQ)
TBCP630-40	13	42	439×363×80	6.8	IEC 16~630mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400, 500, 630), (Indent Type) IEC 16~50mm ² , 70~185mm ² , 240~300mm ²
TBCP300G	5.3	30	434×372×80	5.3	IEC 16~300mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300) Anderson Type connector (Dieless)

※ The above options are subject to change without prior notice

Battery Operated Crimping & Cutting & Punch Tools



※ Excluded battery weight

Model	TBCT		
Capacity(ton)	6.1	Cutting Capacity(Ø)	29
Crimping Capacity(mm²)	IEC 16~300mm² (The Dies TBCT)	Material	CCP, Lead cable, Underground cable
Stroke(mm)	30	Dimensions (mm)	116×434×80
Voltage(V)	Battery Li-ion 18V	Weight(kgs)	1.9

- Options : Threaded Rod Cutter Head 3/8"
- ACSR Cutter Head (Ø 25)
- Punch Head Ø 8.5, Ø 10.5, Ø 12.5(2set)
- 3.2mm(SS400), 2.0mm(SUS)

Battery Operated Cutting Tools



TBCC16

TBCC32

TBCC40 / TBCC55B

TBCC85

TBRC55

■ Specifications

Model	Capacity(ton)	Features(mm)	Size(mm)	Weight(kg)	Standard parts
TBCC-16	2.4	16	116×454×80	2.3	Battery Li-ion 18V / Charger, 220V Only
TBCC-32	2.4	32	116×456×80	2.3	
TBCC-40	8	40	485×369×80	6.7	Battery Li-ion 18V / Charger, 220V Only
TBCC-55B	8	55	537×388×80	9.1	
TBCC-55	7.5	55	518×417×80	4.9	
TBCC-85	7.5	85	440×374×80	6.3	
TBRC-55	-	55	405×135×110	2.7	

Battery Operated Threaded Rod Cutter

TBBC-12



Model	TBBC-12		
Capacity(ton)	4.5	Cutting Capacity(Ø)	1/2", 3/8"
Stroke(mm)	27	Dimensions (mm)	383×332×80
Voltage(V)	Battery Li-ion 18V	Weight(kgs)	4.2

TBBC-38



Model	TBBC-38		
Capacity(ton)	2.8	Cutting Capacity(Ø)	3/8"
Stroke(mm)	21.5	Dimensions (mm)	116×427×80
Voltage(V)	Battery Li-ion 18V	Weight(kgs)	2.7

Hydraulic Threaded Rod

TBC-12N



Model	TBC-12N		
Capacity(ton)	7.5	Cutting Capacity(Ø)	1/2", 3/8"
Stroke(mm)	21.5	Dimensions (mm)	75×260×68
Weight(kgs)	2.7	Using Pump	TMPM-1/2
Working Pressure	700bar	Hydraulic Coupler	TBC384F or DN38M

Stainless Pipe Joint Tools

TBPS-64G



Model	TBPS-64G		
Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
6.1	64	314×480×80	4.3
A range of application	Dual Ring 13, 20, 25, 30, 40, 50, 60		
Voltage(V)	Battery Li-ion 18V		

TPS-64N



※ Without Pump

Model	TPS-64N		
Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
6.1	64	360×70	3.1
A range of application	Dual Ring 13, 20, 25, 30, 40, 50, 60		
Using Pump	TMPM½		



13, 20, 25 Y-Type Joint



13, 20, 25 R-Type Joint



Claw/30, 40, 50, 60 Joint

TBPS



※ Excluded Battery Weight

Model	TBPS (Dual Ring Joint Tool)		
Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
6.1	30	120×415×75	1.9
A range of application	Dual Ring 13, 20, 25		
Voltage(V)	Battery Li-ion 18V		

※ Standard parts ▶ Battery(18V Li-ion 3.0Ah), Weight : 640g

TPS-N



※ Without Pump

Model	TPS-N		
Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
6.1	30	360×70	1.2
A range of application	Dual Ring 13, 20, 25		
Using Pump	TMPM½		

Stainless Pipe Joint Tools

※ Excluded Battery Weight



Model	TBPE		
Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
6.1	30	120×415×75	1.9
A range of application	Single Ring 13, 20, 25, 30		
Voltage(V)	Battery Li-ion 18V		

※ Without Pump



Model	TPE-N		
Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
6.1	30	360×70	1.2
A range of application	Single Ring 13, 20, 25, 30		
Using Pump	TMPM½		

■ How to use JOINT TOOL

UNDER 20SU



OVER 60SU



1. Application Criteria

- Stainless steel pipe for ordinary piping(KS D 3595) 13~100 SU, SCH/5(KS D 3576) can be used over the 80 SU.

2. Application Range

- Piping pipe for water supply and cooling/heating pipe, water supplying pipe inside of the structure, plumbing in the ship.

3. The Material

- STS 304, 316L, application of K-Type pipe

4. Usage(Picture for a clear explanation)

- 1) Cut off the pipe - Cut off the pipe as user wants.(The pipe edge must be perpendicular from tools.)
- 2) Scrape the BURR - The BURR must be scraped the BURR on the edge pipe, it will damage the rubber-ring(O-ring) when pipe inserted. That causes the water leak.
- 3) Insert - Insert pipe into fittings straight with an eye to getting damaged of rubber-ring(O-ring)

- 4) Compress - Compress joint with joint tool(operated by portable or electric motor pump)on insertion pipe into fittings.
- 5) Check out the dimension of compressed part.

5. How to Check and Test

- 1) Checking - Check that if it was compressed as circle form or appeared double circular grooves clearly and then check out the dimension with a jig for testing or vernier calipers.
- 2) Testing - After the completion of a work, apply water pressure to product(3~4 times of common pressure), at this time, check a leak.

6. Matters that require attention

- 1) BURR must be removed by a rasp or a grinder after cutting the pipe.
- 2) Clean the pipe before insertion pipe into fittings.
- 3) Insert pipe into fittings straight with an eye to getting damaged of rubber-ring(O-ring), unless it insert smoothly, user put water or something on rubber-ring(O-ring)for inserting smoothly.
- 4) When operating electric motor pump, check out the air vents(it must be opened)and amount of oil.

Stainless Pipe Joint Tools

• Squeezed after dimension

Standards	Outside Diameter Pipe	Measurement before pressing	Measurement after pressing	Tolerance
13SU	15.88	23.00	21.6	± 0.3
20SU	22.22	30.10	28.8	± 0.3
25SU	28.58	37.20	34.8	± 0.3
30SU	34.00	45.00	42.3	± 0.3
40SU	42.70	55.70	52.7	± 0.4
50SU	48.60	62.00	58.6	± 0.4
60SU	60.50	76.40	71.9	± 0.4
80SU	89.10	111.00	104	± 0.5
100SU	114.30	137.00	128.3	± 0.5

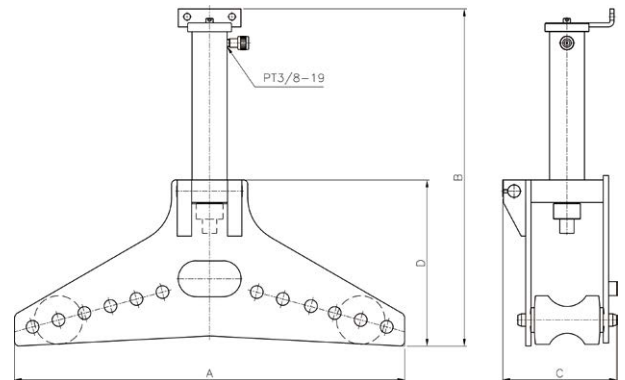
Pipe Joint Tools

• Stainless steel pipes for ordinary piping(KS D 3595)

Standards	External Diameter	Tolerance for An External Diameter		Thickness	Tolerance	Unit of Weight(kg/m)	
		External Diameter	Circumference			STS304TPD	STS316TPD
8SU	9.25	+ 0 - 0.37	-	0.7	± 0.12	0.154	0.155
10SU	12.70			0.8		0.237	0.239
13SU	15.88			0.8		0.301	0.303
20SU	22.22			1.0		0.529	0.532
25SU	28.58			1.0		0.687	0.691
30SU	34.00	± 0.34	± 0.20	1.2	± 0.15	0.980	0.691
40SU	42.70	± 0.43		1.2		1.24	1.25
50SU	48.60	± 0.49	± 0.25	1.2		1.42	1.43
60SU	60.50	± 0.60		1.5		2.20	2.21
75SU	76.30	± 1%		1.5	± 0.30	2.79	2.81
80SU	89.10			2.0		4.34	4.37
100SU	114.30			2.0	± 0.40	5.59	5.63
125SU	139.80			2.0		6.87	6.91
150SU	165.20			3.0		12.1	12.2
200SU	216.30			3.0		15.9	16.0
250SU	267.40			3.0		19.8	19.9
300SU	318.50			3.0		23.6	23.8

※ The specification water, hot water supply, drainage, hot and cold water piping and other piping shall be used against a stainless steel pipe

Hydraulic Pipe Benders



- Cylinder : 2", 3", 4"
- Capacity : 10~20ton
- Stroke : 255~300mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)

How to understand Model No.

TPB-2"

- Bending Capacity, 2 inch
- Pipe Bender
- TECPOS



Shoe Size		Water Pipe				
mm (A)	inch (B)	Out-Dia (mm)	In-Dia (mm)	Thickness (mm)	Radius (mm)	Weight (kg)
15	1/2	21.7	16.1	2.8	60	0.7
20	3/4	27.2	21.6	2.8	80	1.1
25	1	34.0	27.6	3.2	100	2.6
32	1 1/4	42.7	35.7	3.5	130	2.6
40	1 1/2	48.6	41.6	3.5	160	4.1
50	2	60.5	52.9	3.8	220	5.9
65	2 1/2	76.3	67.9	4.2	320	8.1
80	3	89.1	80.7	4.2	425	9.4
100	4	114.3	105.3	4.5	600	15.1

Shoe Size		Conduit Tube				
mm (A)	inch (B)	Out-Dia (mm)	In-Dia (mm)	Thickness (mm)	Radius (mm)	Weight (kg)
16	1/2	21.0	16.4	2.3	75	0.7
22	3/4	26.5	21.9	2.3	90	1.1
28	1	33.3	28.3	2.5	130	2.6
36	1 1/4	41.9	36.9	2.5	195	2.6
42	1 1/2	47.8	42.8	2.5	230	4.1
54	2	59.6	54.0	2.8	270	5.9
70	2 1/2	75.2	69.6	2.8	450	8.1
82	3	87.9	82.3	2.8	500	9.4
104	4	113.4	106.4	3.5	680	15.1

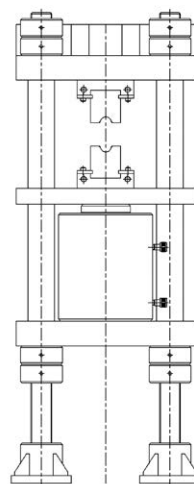
Specifications

Model	Capacity (Inch)	Max. wall Thickness (mm)	Max. bending angle (°)	Dimension(mm)				Bending Shoe	Cylinder Capacity	Stroke (mm)	Oil Capacity (cc)	Weight (kg)	Pump
				A	B	C	D						
TPB-2	2"(50A)	3.8	90	700	555	250	170	1/2" ~ 2"	10	255	388	24	1B, 08 1/2HP
TPB-3	3"(80A)	4.5	90	870	751	255	370	1/2" ~ 3"	15	285	677	62	1C, 17 1/2HP
TPB-4	4"(100A)	4.9	90	1000	766	260	370	1/2" ~ 4"	20	300	996	79	1C, 17 1/2HP

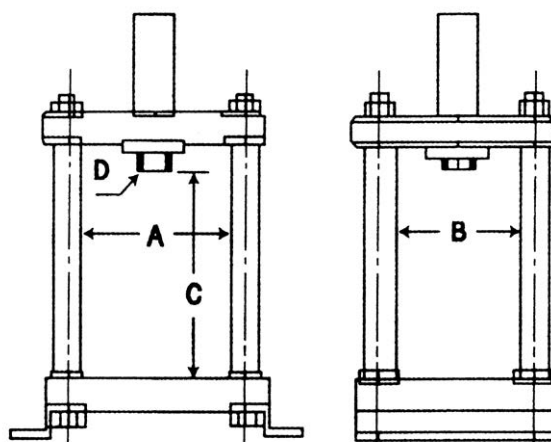
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Hydraulic Shop Press

• Wire Rope Swage Press



• Shop Press(TSP)

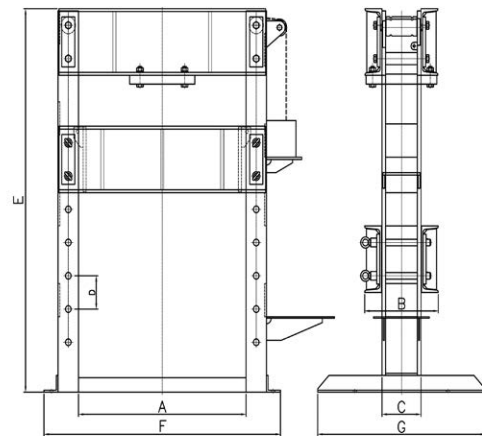


■ Specifications

Model	Capacity (ton)	Stroke (mm)	Dimension(mm)				Weight (kg)	Cylinder	Pump
			A	B	C	D			
TSP-10	10	150	300	250	300	M36×P2.0	140	TSC10150	Hand Pump or Electric pump
TSP-20	20	150	350	250	390	M56×P2.0	240	TSC20150	
TSP-30	30	150	400	300	400	M62×P2.0	360	TSC30150	

Hydraulic Shop Press

• Shop Press



- Capacity : 20~200ton
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- When pulling and pushing of bearings, gears, couplings, and assembling of products

■ Specifications

Model	Cylinder (ton)	Dimension(mm)							Weight (kg)	Pump
		A	B	C	D	E	F	G		
TSPM-20	20	550	330	170	150	1600	860	700	180	Hand Pump or Electric pump
TSPM-30	30	640	330	170	150	1730	970	770	320	
TSPM-50	50	900	390	210	150	1730	1270	900	530	
TSPM-100	100	1000	460	260	200	1930	1440	900	940	
TSPM-150	150	1200	550	350	200	2220	1760	1300	1450	
TSPM-200	200	1200	550	350	200	2220	1760	1300	1464	

Hydraulic Pumps

• Electric Ultra-high Pressure Hydraulic Pumps(2,000bar)

TMP3-M2000



■ Specifications

Model	Type	Pressure Capacity(bar)		Out-put flow rate(ℓ/min)		Voltage (V)	Electric Motor			Required Oil (ℓ)	Reservoir Capacity (ℓ)	Weight (kg)
		High	Low	High	Low		(Kw)	(Pole)	(RPM)			
TMP3-M2000	MANUAL	2000	100	1.0	8.8	220v & 380v 3-PHASE	2.2	6	1200	36	52	103

• Hydraulic Rock Splinter Cylinder

TRB-21



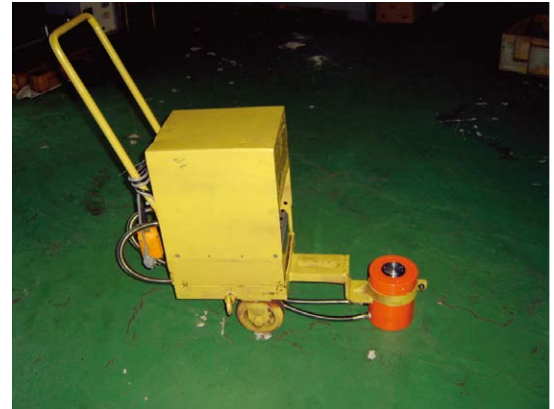
TRB-1



■ Specifications

Model	Cylinder Capacity(ton)	Cylinder Stroke(mm)	Piston Q'TY	Max. Pressure(bar)	Weight(kg)
TRB-1	156	52	1EA	1500	35
TRB-21-2	212	52	2EA	1500	43.8
TRB-21-3	190	47	2EA	1500	38

Examples of Applications



Examples of Applications



■ C-Section Steel Punching



■ Block Lift(Heracles)



■ Hydraulic Automatic Pullers



■ Table Lift



■ Shop Press



■ 10ton C-Type Press



■ Plate Cutters



■ Battery Block Lift



■ Battery Block Lift

Examples of Applications



■ **Steel Supports removing Hydraulic JIG** : Used in removing steel supports for shipblock.



■ **Block Lift** : Usually used to set heavy duty shipblocks when shipbuilding.



■ **500ton Press** : Press may be used horizontally for special applications with user-supplied supports.



■ **30ton Powder forming Press** : Using Single-Acting 30ton Cylinder



■ **1.5ton Reel Stand** : Ratchet type



■ **2ton Reel Stand** : Hydraulic type



■ **Air Driven Pump & Water test Pump** : Used in pressure test (Pipe, Tank, Hose, Valve) and bolt tensioning power unit, etc.

Hydraulic Accessories

Item	Model		Application
	DMV700-V3-01-H		Hand pumps and Electric pumps for use of both single and double acting Manual Valve
	DSV-700-3/2-T Single-Acting	DSV-700-4/3-01-AB Double-Acting	Ideal for independent remote control of multiple cylinders or functions. Solenoid Valve
	TMV 2575		Adjust cylinder acting speed by adjusting oil capacity. Stop Valve
	TMV 2577		Adjust cylinder acting speed by adjusting oil capacity. Needle Valve
 Manifold Stop Valve	TMV 2575-2		For Control of two or several single-acting cylinders simultaneously. Manifold Stop Valve
	TMF 2522		For use of two cylinders with one pump 2-Port Manifold
	TMF 2544		For use of several cylinders with one pump 4-Port Manifold
	TMFO 2529		For use of two several cylinders with one pump 6-Port Manifold
	TMFY 2529		For use of two cylinders with one pump 3-Port Manifold

Hydraulic Accessories

Item	Model	Application
	G6310	Gauge Face Dia. 63mmx1000bar
	G1010	Gauge Face Dia. 100mmx1000bar
	G1025	Gauge Face Dia. 100mmx2500bar
	GA701	Gauge Block. For easy mounting of a pressure gauge on to your system
	GA702	Gauge Block. For easy mounting of a pressure gauge on to your system
	THS 700	Max. Pressure 700bar
	TBC 381M	3/8 " PT. Pin type coupler
	TBC 381F	3/8 " PT. Pin type cylinder coupler
	TBC 382M	3/8 " PT. Seed type coupler
	TBC 382F	3/8 " PT. Seed type cylinder coupler
	TBC 384M	3/8 " PT. One Touch type coupler
	TBC 384F	3/8 " PT. One Touch type coupler
	DN 38M	3/8 " PT. Non-Leak One Touch type Male coupler
	DN 38F	3/8 " PT. Non-Leak One Touch type Female coupler
	DN 38MN	3/8 " NPT. Non-Leak One Touch type Male coupler
	DN 38FN	3/8 " NPT. Non-Leak One Touch type Female coupler
	DN 14M	1/4 " NPT. Non-Leak One Touch type Male coupler
	DN 14F	1/4 " NPT. Non-Leak One Touch type Female coupler
	DS-700	·Pressure Switches, easy to use with high Accuracy ·Pressure 700bar



- All Design and specifications are subject to change with or without notice.

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