



TECPOS[®]

Technology power system



CYLINDERS



PUMPS



TOOLS



PUNCH



RUBAUS GLOBAL
PROJECT SOLUTIONS ALWAYS AND FOREVER

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❖ The above options are subject to change with out prior notice

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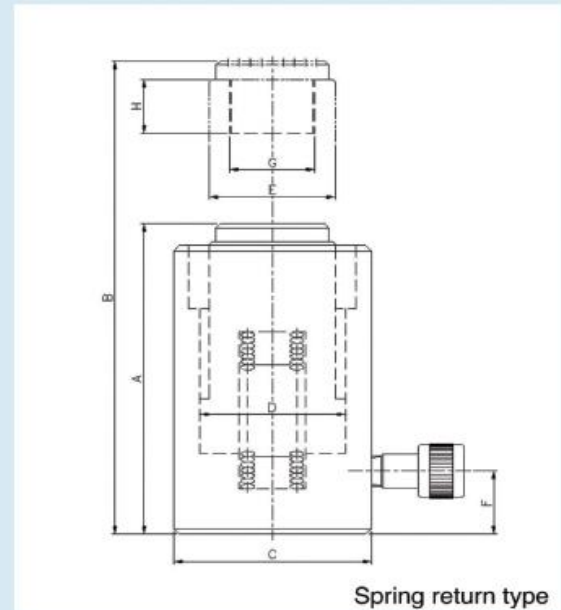


HYDRAULIC ACCESSORIES / 55



❖ The above options are subject to change with out prior notice

SINGLE ACTING - CYLINDERS



- 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.

TS - 55

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

A TYPE TS



B TYPE TSC



❖ The above options are subject to change with out prior notice

T E C P O S

■ Specifications

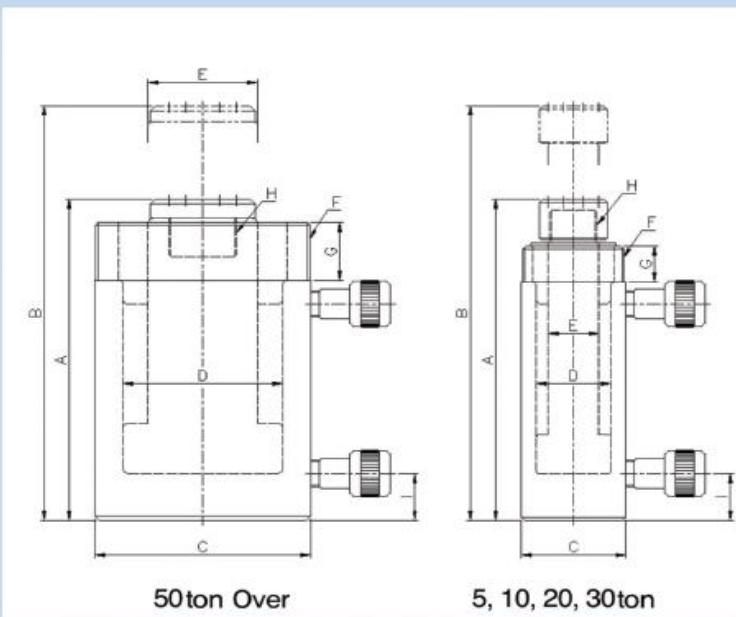
Model	Cylinder Capacity (ton)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Cylinder Bore Dia.	Piston Rod Dia.	Base to Inlet Port	Piston rod Internal Thread	Piston rod Thread Length	Weight (kg)	Pump
					A	B								
TS-55	5	50	6.38	35	134	184	38	28.5	25	25	3/4-16	16	1.1	1B
TS-510		100		70	184	284							1.4	
TS-515		150		106	234	384							1.8	
TS-520		200		140	284	484							2.2	
TS-105	10	50	15.2	76	133	183	58	44	38	20	1-8	19	2.1	
TS-1010		100		152	183	283							3.4	
TS-1015		150		228	233	383							4.8	
TS-1020		200		304	283	483							5.6	
TS-205	20	50	33.18	166	165	215	88	65	57	35	M38×2.0	26	7	1C
TS-2010		100		332	215	315							8.8	
TS-2015		150		498	265	415							11	
TS-2020		200		664	315	515							12.7	
TS-305	30	50	44.18	220	172	222	102	75	65	35	M44×2.0	30	9.8	1B
TS-3010		100		440	222	322							12.5	
TS-3015		150		660	272	422							16	
TS-3020		200		880	322	522							17.5	
TS-505	50	50	70.88	355	173	223	127	95	85	35	-	-	15.8	1C
TS-5010		100		710	223	323							20	
TS-5015		150		1070	273	423							23.5	
TS-5020		200		1425	323	523							27.7	
TS-10010	100	100	132.7	1330	226	326	165	130	110	40	-	-	34	3A
TS-10015		150		1991	286	436							44.5	

❖ The above options are subject to change with out prior notice

DOUBLE ACTING - CYLINDERS



- Capacity : 5 ~ 100ton
- 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. 5, 10, 20, 30

TDC-1015

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

❖ The above options are subject to change with out prior notice

T E C P O S

■ Specifications

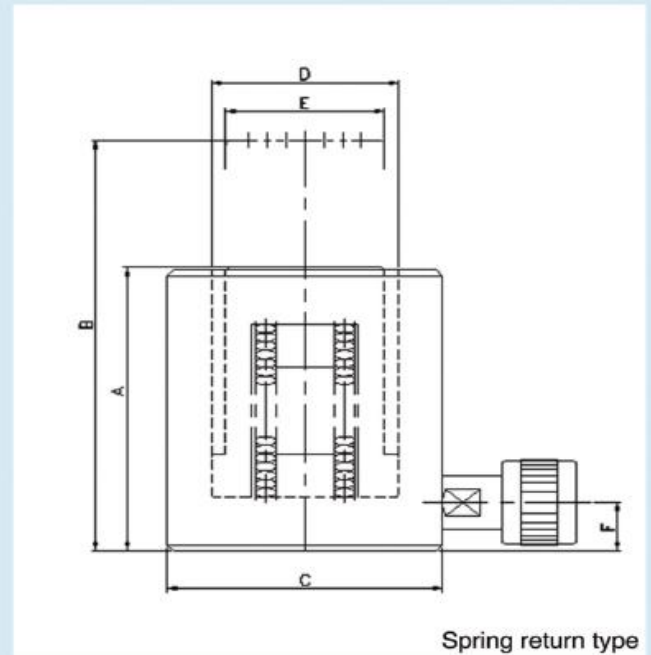
Model	Cylinder Capacity (bn)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia. C	Cylinder Bore Dia. D	Piston Rod Dia. E	Coller Thread F	Coller Thread Length G	Piston rod Internal Thread H	Base to Inlet port I	Weight (kg)	Pump
					A	B									
TDC-515	5	150	9.6	144	285	435	45	35	25	M45×P1.5	25	M20×P1.5	25	3.3	1B-Double
TDC-530		300		288	433	733							30	4.8	
TDC-1015	10	150	15	228	314	464	62	44	30	M60×P2.0	30	M28×P2	30	4.5	
TDC-1030		300		456	464	764							30	9	
TDC-2015	20	150	33.2	497.7	363	513	88	65	45	M85×P2.5	50	M40×P2	36	13.5	1C-Double
TDC-2030		300		995.4	513	813							36	20	
TDC-3015	30	150	44.2	662.6	398	548	105	75	55	M100×P2.5	55	M50×P2	40	24	
TDC-3030		300		1325.2	548	848							40	33	
TDC-5015	50	150	70.8	1063	343	493	128	95	65	M127×P2.5	45	M40×P2	45	30	3A-Double
TDC-5030		300		2126	493	793							45	50	
TDC-10015	100	150	132.7	1990	352	502	178	130	100	M175×P3	50	M65×P3	45	64	
TDC-10030		300		3980	502	802							45	83	
TDC-15015	150	150	213.8	3207	381	531	218	165	120	M215×P3.5	50	M70×P4	50	95	3B-Double
TDC-15030		300		6414	531	831							50	127	
TDC-20015	200	150	283.5	4253	400	550	248	190	135	M245×P4	55	M80×P4	55	129	
TDC-20030		300		8506	550	850							55	169	
TDC-30015	300	150	433.7	6506	433	583	315	235	170	M315×P4	55	M80×P4	55	230	
TDC-30030		300		13012	583	883							55	298	
TDC-50015	500	150	706.8	10603	475	625	405	300	215	—	—	M90×P4	75	490	3HP-Double
TDC-50030		300		21206	625	925							75	590	
TDC-80015	800	150	1164.2	17462	550	700	525	385	—	—	—	—	100	782	5HP-Double
TDC-80030		300		34924	700	1000							100	989	
TDC-100015	1000	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 with out prior notice

SHORTY CYLINDERS



- Capacity : 10~200ton
- Stroke : 25~50mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Compact, flat design for use where other cylinders will not fit.



■ How to understand Model No.

TSSC-1044

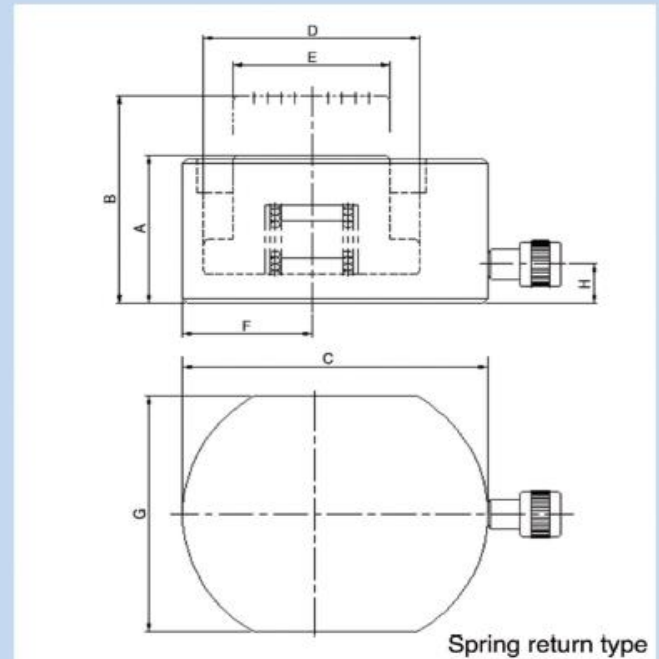
- Stroke, 44mm
- Capacity, 10ton
- Shorty cylinder
- TECPOS

■ Specifications

Model	Cylinder Capacity (ton)	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	C	D	E	F		
TSSC-1025	10	25	15.2	38	80	105	68	44	38	17	2.2	1B
TSSC-1044	10	44	15.2	66	99	143	68	44	38	17	2.6	
TSSC-2025	20	25	28.3	71	80	105	88	60	51	17	3.5	
TSSC-2044	20	44	28.3	124	99	143	88	60	51	17	4.3	
TSSC-3025	30	25	44.2	111	80	105	105	60	51	17	5.2	
TSSC-3044	30	44	44.2	194	99	143	105	75	64	17	6.2	
TSSC-5025	50	25	63.6	159	84	105	125	75	64	17	6.2	
TSSC-5050	50	50	63.6	318	109	159	125	90	75	19	10.2	
TSSC-10050	100	50	132.7	663	139	189	165	130	100	27	21	1C
TSSC-15050	150	50	201	1005	170	220	208	160	135	33	41.1	
TSSC-20050	200	50	283.5	1417	180	230	245	190	170	38	60.3	

❖ The above options are subject to change with out prior notice

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 150 ton capacity single-acting spring Return

■ How to understand Model No.

T S L C - 1 0 1 1

- Stroke, 11mm
- Capacity, 10ton
- Low profile cylinder
- TECPOS

■ Specifications

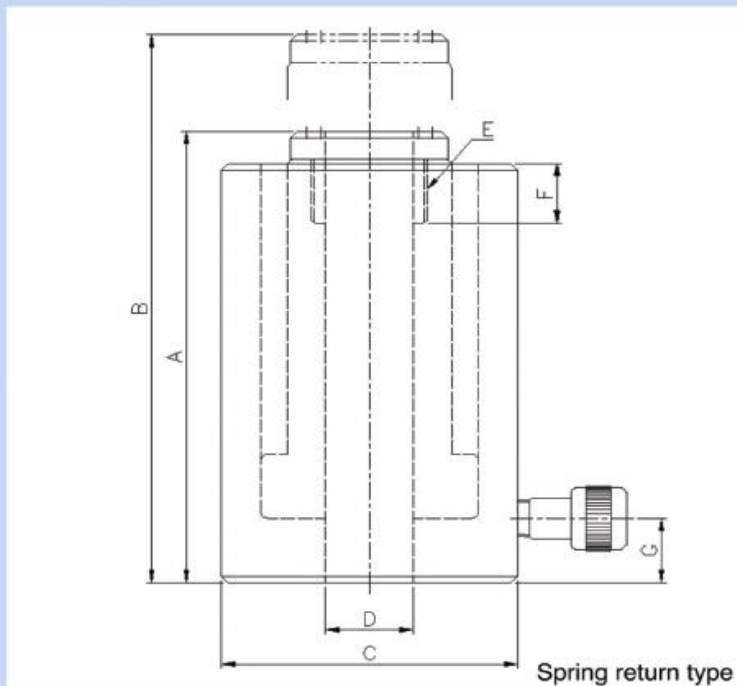
Model	Cylinder Capacity (ton)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Cylinder Bore Dia.	Piston Rod Dia	Plunger to Base	Cylinder Dimension	Base to Inlet Port	Weight (kg)	Pump
					A	B	C	D	E	F	G	H		
TSLC-56	5	6	6.16	3.7	40	46	60	28	25	22	42	21	0.8	1B
TSLC-1011	10	11	15.2	16	45	56	85	44	38	29	56	21	1.5	
TSLC-2011	20	11	28.3	31	52	63	102	60	54	42	76	21	2.7	
TSLC-3013	30	13	41.85	53	59	72	115	73	64	48	95	21	4.2	
TSLC-5016	50	16	60.8	99	67	83	139	88	75	58	114	21	6.9	1C
TSLC-7516	75	16	103.87	164	79	95	165	115	85	70	140	21	11	
TSLC-10016	100	16	126.7	203	86	102	180	127	95	78	152	25	14.7	
TSLC-15016	150	16	201	317	100	116	215	160	115	97	190	24	25	

❖ The above options are subject to change with out prior notice

SINGLE-ACTING CENTER HOLE CYLINDERS



- Capacity : 10 ~ 100ton
- Stroke : 41 ~ 75mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Designed for use with screws, rods, cables and Pullers



■ How to understand Model No.

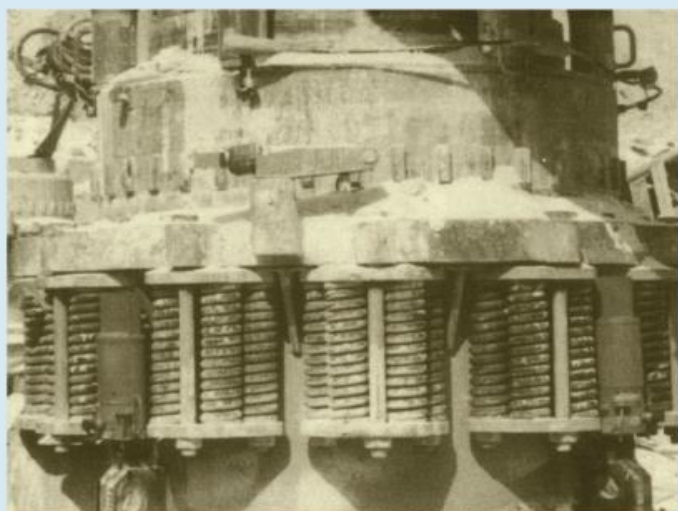
TCH-1041

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

❖ The above options are subject to change with out prior notice

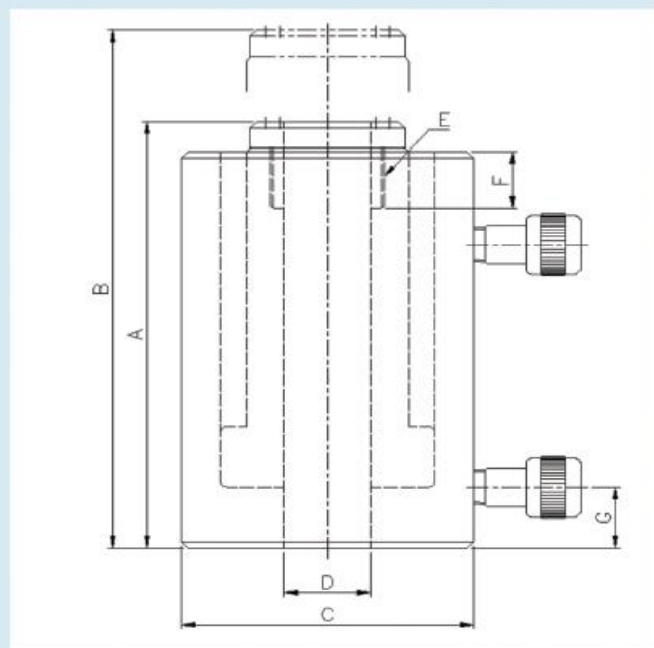
■ Specifications

Model	Cylinder Capacity (ton)	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							
TCH-1041	10	41	17.6	70.5	121	162	70	20	—	—	25	2.8	1B
TCH-2050	20	50	31.67	158.4	162	212	98	27	1 $\frac{9}{16}$ -16	24	20	7.6	
TCH-3063	30	63	47.7	300.6	179	242	115	33	M48×P1.5	20	21	10.9	
TCH-5075	50	75	87.46	656	249	324	158	54	M70×P2.0	28	30	27.2	1C
TCH-10075	100	75	143.13	1049	254	329	216	80	M103×P2.0	28	35	52.5	



❖ The above options are subject to change with out prior notice

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

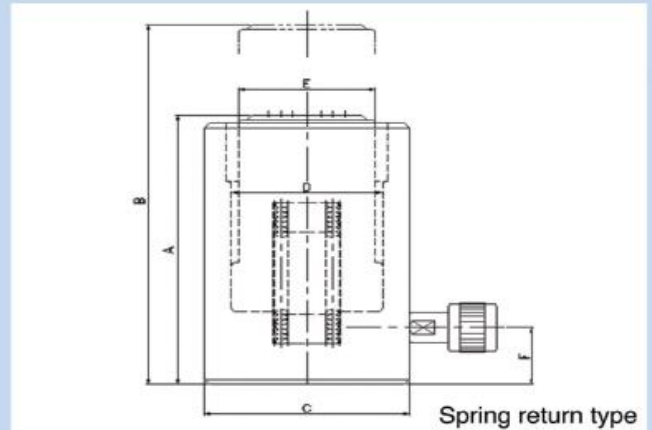
Model	Cylinder Capacity (ton)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Center Hole Dia.	Collar Thread	Collar Thread Length	Base to Inlet Port	Weight (kg)	Pump (double)
					A	B							
TDCH-10254	10	254	14.4	365	406	660	70	20	M32xP1.5	20	50	11	1B
TDCH-30210	30	210	44.2	928	425	635	115	33	M54xP2.5	50	55	28	1C
TDCH-50156	50	156	87.46	1365	380	536	158	54	M74xP2.0	36	55	42	
TDCH-100168	100	168	140.39	2358	382	550	216	80	M116xP3.0	50	65	79	3A

❖ The above options are subject to change with out prior notice

ALUMINUM CYLINDERS



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



■ How to understand Model No.

TAR-2050

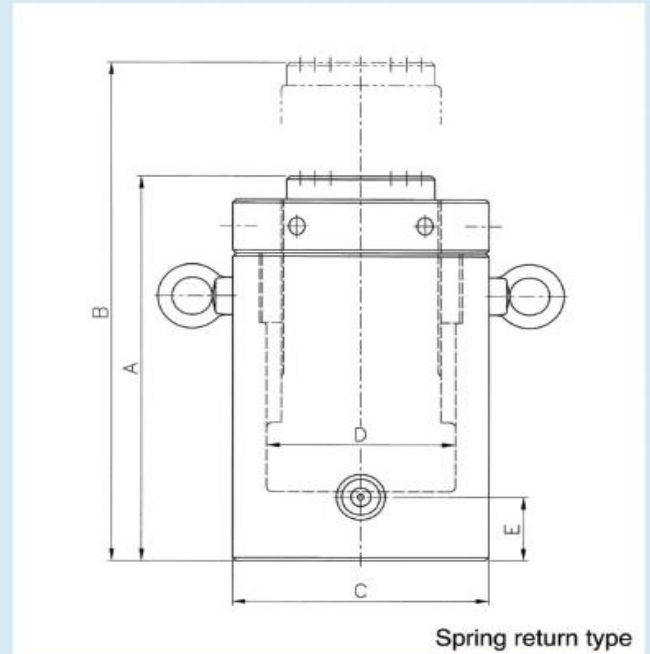
- Stroke, 50mm
- Capacity, 20ton
- Aluminum
- TECPOS

■ Specifications

Model	Cylinder Capacity (ton)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia. C	Cylinder Bore Dia. D	Piston Rod Dia. E	Base to Inlet Port F	Weight (kg)	Pump
					A	B						
TAR-2050	20	50	28.3	145	150	200	89	60	54	28	3.2	1B
TAR-20100		100		290	200	300					4.1	
TAR-20150		150		435	250	400					4.8	
TAR-3050	30	50	44.2	220	168	218	108	75	65	35	5.1	1C
TAR-30100		100		440	218	318					6.4	
TAR-30150		150		660	268	418					7.5	
TAR-5050	50	50	70.9	355	182	232	134	95	85	35	8.7	1B
TAR-50100		100		708	232	332					10.8	
TAR-50150		150		1063	282	432					12.9	
TAR-10050	100	50	132.8	660	193	243	189	130	110	40	16.5	3A
TAR-100100		100		1320	243	343					19.5	
TAR-100150		150		1980	293	443					23	
TAR-15050	150	50	201.1	1005	208	258	238	160	135	45	27	3B
TAR-150100		100		2010	258	358					33.4	
TAR-150150		150		3016	308	458					39.8	

❖ The above options are subject to change with out prior notice

LOCK NUT CYLINDERS



- Capacity : 30 ~ 200ton
- Stroke : 200 ~ 230mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Cylinders are load return and spring return
- 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)	Stroke (mm)	Cylinder Effective Area (cm ²)	Oil Capacity (cc)	Retracted Height	Extended Height	Cylinder Out Dia.	Cylinder Bore Dia.	Base to Inlet Port	Weight (kg)	Pump
					A	B					
TLN-30200	30	200	44.1	883	365	565	102	75	35	23	1C
TLN-50200	50	200	70.8	1418	385	585	127	95	40	38	
TLN-100230	100	230	132.7	3052	475	705	168	130	50	75	3B
TLN-150230	150	230	213.8	4918	537	767	225	165	60	164	
TLN-200230	200	230	283.5	6521	552	782	255	190	65	224	

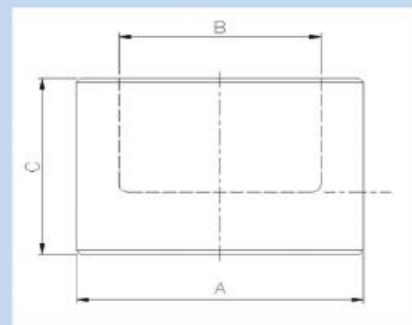
❖ The above options are subject to change with out prior notice

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)	Stroke (mm)	Cylinder Out Dia.	Cylinder Bore Dia.	Jack Height	Cylinder Effective Area (cm ²)	Max Pressure (bar)
			A	B	C		
TPFJ-5012	50	12	127	95	85	70,8	700
TPFJ-10010	100	10	118	80	50	50,2	2000
TPFJ-10015	100	15	183	135	110	143,1	700
TPFJ-20020	200	20	245	190	130	298,6	700
TPFJ-20011	200	11	175	115	60	103,8	2000

· Disk Ram Type



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

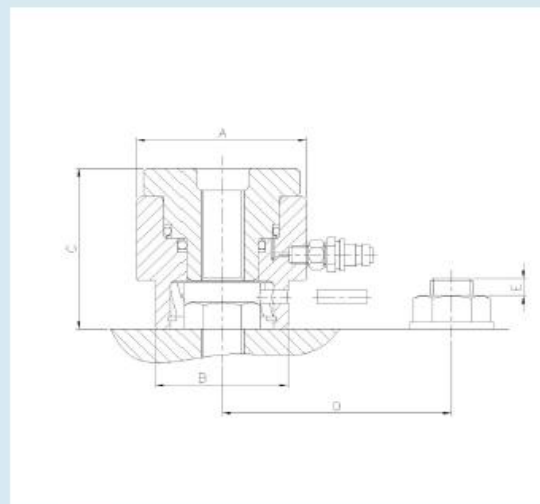
■ Specifications

Model	Cylinder Capacity (ton)	Stroke (mm)	Closed Height (mm)	Cylinder Effective Area (cm ²)	Weight (kg)
TDR-30010	300	10	80	428,5	≈109,4
TDR-50010	500	10	90	714,2	≈179,5
TDR-80010	800	10	100	1142,8	≈280,4
TDR-100012	1000	12	110	1428,5	≈428,4
TDR-150012	1500	12	120	2142,8	≈569,1

❖ The above options are subject to change with out prior notice

HYDRAULIC JACKS

• Bolt Tensioners



- Capacity : 13.5 ~ 309 ton
- Stroke : 4 ~ 10mm
- Bolt Range : M20 ~ M100
- Maximum Pressure : 1000 ~ 1500 bar
- Hydraulic Coupler : TBC 381F(PT3/8), 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

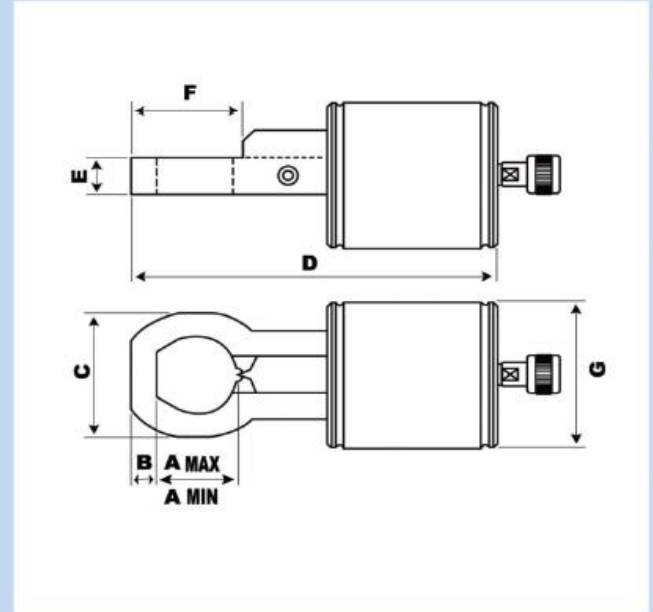
■ Specifications

Model	Max. Pressure (bar)	Cylinder Capacity (ton)	Stroke (mm)	Dimension				Weight (kg)
				A	B	C	D	
TBT-M20	700 ~ 1500	13.5	4	76	49	77	48	2.2
TBT-M24			5	87	64	77	54	2.5
TBT-M30		26	6	110	79	84	70	4.2
TBT-M36		36		127	90	88	82	5.6
TBT-M42		44		153	107	108	98	10
TBT-M48		57		164	122	110	107	14
TBT-M56		87		195	140	135	126	21
TBT-M64		111		215	155	154	140	28
TBT-M72		150	8	250	177	170	161	44
TBT-M80		170		284	194	191	182	71
TBT-M90		220	10	318	220	212	204	90
TBT-M100		309		350	255	264	225	131

❖ The above options are subject to change with out prior notice

HYDRAULIC SPLITTERS

• Nut Splitters

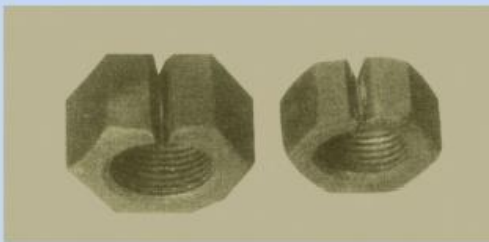


- Capacity : 14 ton & 32.5ton
- Bolt Range : 14ton(M12 ~ M24)
32.5ton(M20 ~ M33)
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)

■ How to understand Model No.

TNS-1415

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



- Easily removing rusty nuts without damage to bolts
- Not to be used on heavy nuts

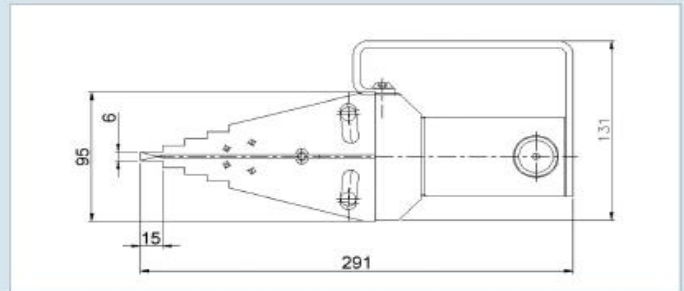
■ Specifications

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)		
TNS-1415	14	15	21.2	31.8	45	15	12.5	73	221	23	62.5	78	5.2	1B, 1/3HP
TNS-32.520	32.5	20	46.5	93	62	39	19	98	278	29	85	115	12	

❖ The above options are subject to change with out prior notice

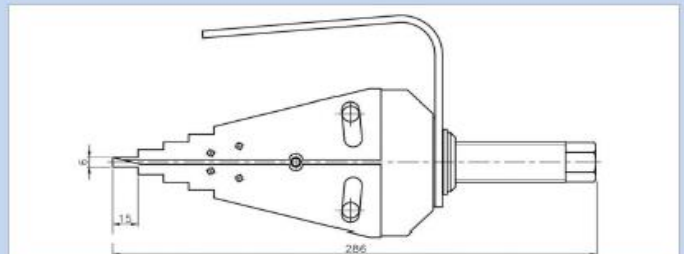
HYDRAULIC SPLITTERS

Hydraulic Flange Spreader



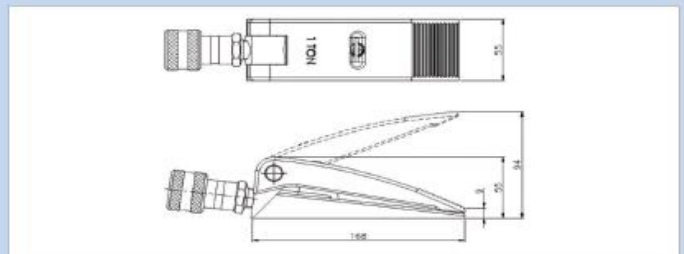
Specifications

Model	TFS 661	Maximum Pressure	700 bar
Output Force	14 ton	Hydraulic Coupler	TBC 381F(PT3/8)
Max. Spread	61mm	Weight	7.1kg
Tip Clearance	6mm	Pump	THPA-1B or 1/3HP



Specifications

Model	TFSM 661	Work type	Hand operated	Max. Spread	61mm
Output Force	8ton	Tip Clearance	6mm	Weight	6.5kg



Specifications

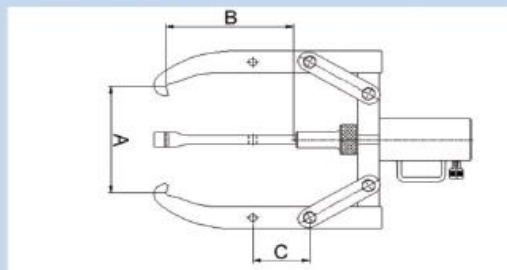
Model	TFS 949	Max. Spread	94mm	Maximum Pressure	700 bar	Weight	2.0kg
Output Force	1ton	Tip Clearance	9mm	Hydraulic Coupler	TBC 381F(PT3/8)	Pump	THPA-1B or TPM-1/2-S

❖ The above options are subject to change with out prior notice

HYDRAULIC PULLERS



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



■ Specifications

Model	Cylinder Capacity (ton)	Stroke (mm)	Oil Capacity (cc)	Max. Spread (mm)	Max. Reach (mm)	Distance Between Hole	Weight (kg)	Pump
				A	B	C		
TPUL-10	10	150	228	180	240	75	13.5	1B
TPUL-20	20	150	498	280	400	130	36.8	
TPUL-30	30	150	660	280	420	130	46.7	1C
TPUL-50	50	150	1070	360	520	150	85.3	



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

■ Specifications

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

❖ The above options are subject to change with out prior notice

Oil - L - JACKS



TLJ-52.5



TLJ-105

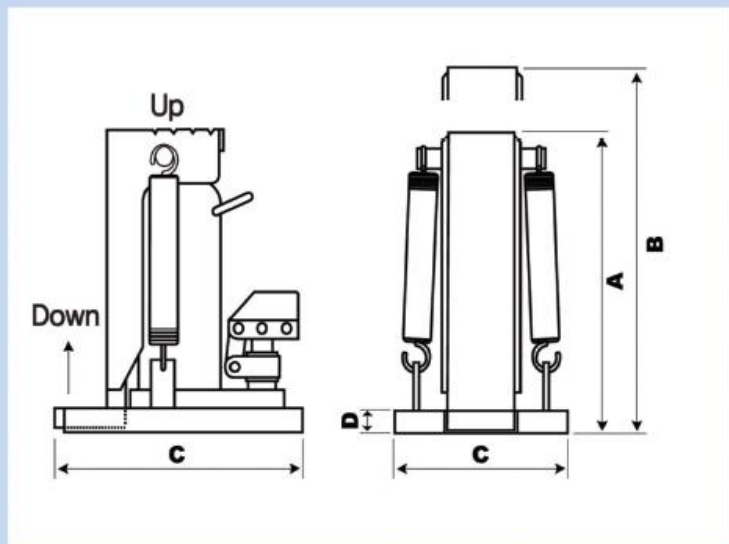


TLJ-2010



TLJ-3015

❖ The above options are subject to change with out prior notice



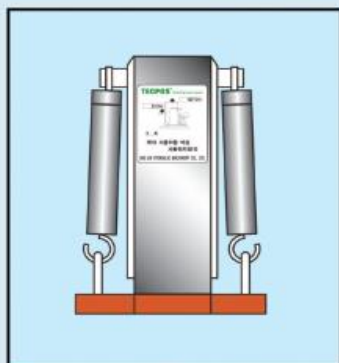
- Capacity : 5 ~ 30ton
- Stroke : 120 ~ 160mm
- Maximum Pressure : 140bar
- For use in very confined work areas

■ How to understand Model No.

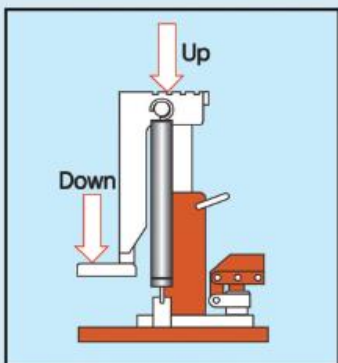
TLJ-52.5

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

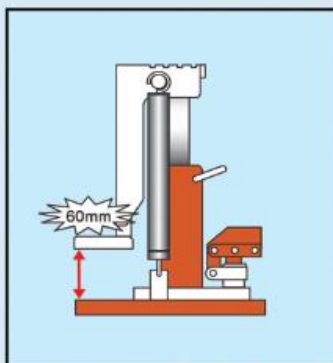
■ How to Use Oil-L-JACKS



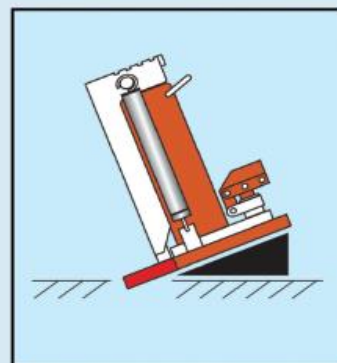
Never exceed the maximum capacity indicated.



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.

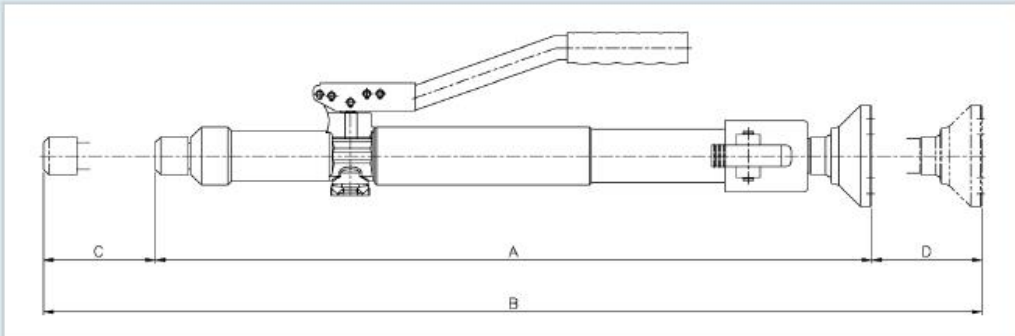
■ Specifications

Model	Cylinder Capacity (ton)		Stroke (mm)	Retracted Height	Extended Height	Base Dimension	Base Thickness	Weight (kg)
	(Up)	(Down)		A	B		D	
TLJ-52.5	5	2.5	120	237	357	170×230	19	11
TLJ-105	10	5	150	286	436	188×260	22	19.1
TLJ-2010	20	10	160	327	487	242×280	28	33.6
TLJ-3015	30	15	160	352	512	273×308	32	51.2

❖ The above options are subject to change with out prior notice

HYDRAULIC TOOLS

• Welding Jack Pump



■ Head Type



■ Saddle Type



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

■ Specifications

Model	Output Force (ton)	Output Piston Stroke(mm) - C	Output Saddle Stroke(mm) - D	Retracted Height(mm) - A	Extended Height(mm)- B	Weight (kg)
TWJ 5B-580	4.8	95	-	580	675	5.4
TWJ 5B-650	4.8	95	128	650	873	6.7
TWJ 5B-750	4.8	95	224	750	1069	7.6
TWJ 10-680	8.7	80	110	680	870	11

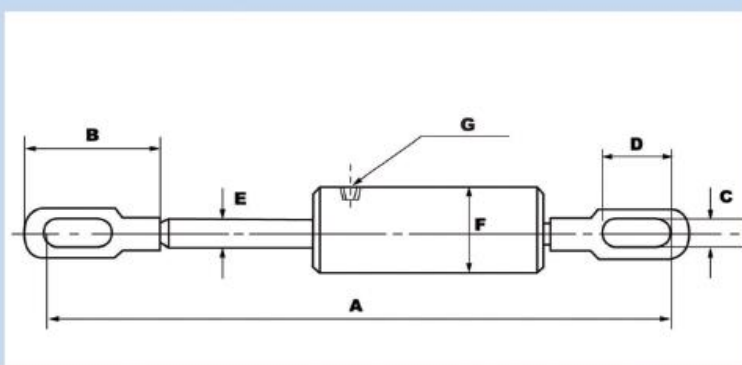
❖ The above options are subject to change with out prior notice

HYDRAULIC TOOLS

· Aluminum Pulling Jack



- Capacity : 10 ~ 100ton
- Stroke : 150mm ~ 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

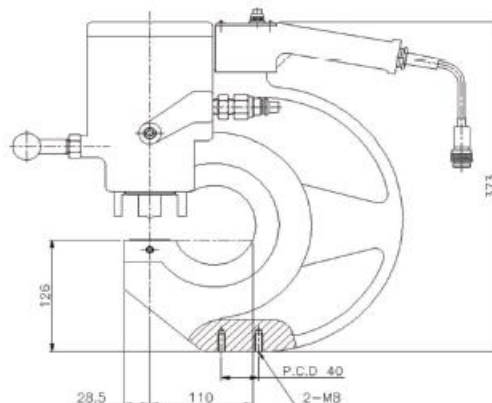
Model	Cylinder (ton)	Stroke (mm)	Pull Effective Area(cm ²)	Push Effective Area(cm ²)	Oil Capacity (cc)	Dimension						Weight (kg)	Pump
						A	B	C	D	E	F		
TAPJ-10150	10	150	15.2	28.2	236	763	171	30	115	40	88	10.3	1B, 1/3HP
TAPJ-20150	20	150	28.3	44.2	424	807	215	35	120	45	108	13.5	
TAPJ-30150	30	150	44	63.6	660	849	226	44	110	50	125	19	
TAPJ-30200	30	200	44	63.6	880	949	226	44	110	50	125	23	1C, 1/2HP
TAPJ-50150	50	150	72	95	1082	897	273	50	150	54	158	34	
TAPJ-50200	50	200	72	95	1443	997	273	50	150	54	158	36	2B, 1/2HP
TAPJ-100150	100	150	138.4	188.7	2076	1101	380	51	200	80	238	95	

❖ The above options are subject to change with out prior notice

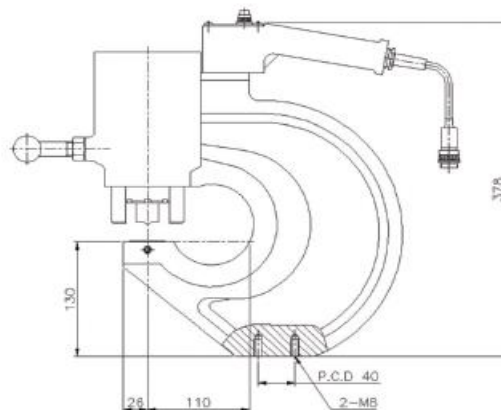
HYDRAULIC PUNCH



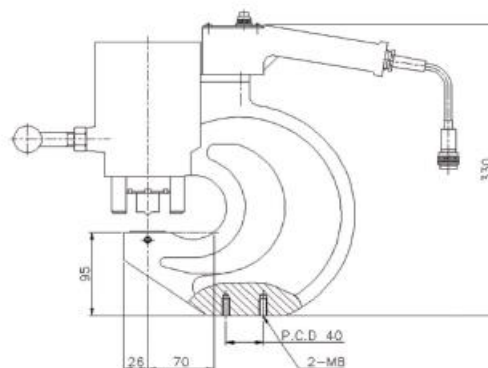
TPUN2420



TPUN2416-11



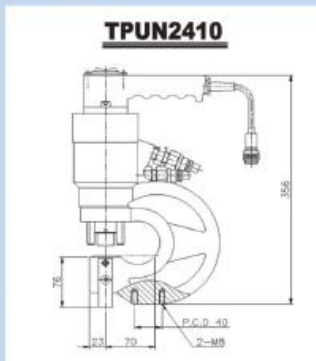
TPUN2416-07



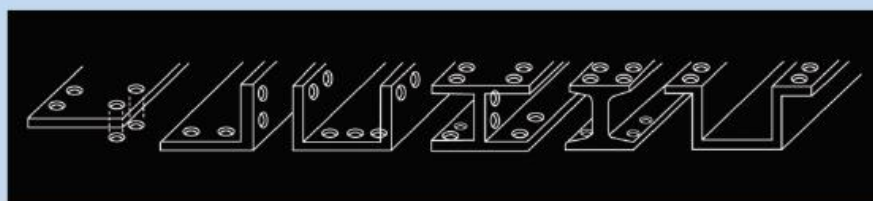
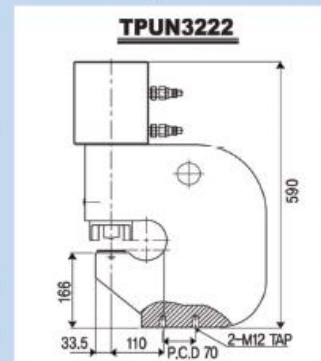
❖ The above options are subject to change with out prior notice

T E C P O S

■ Double Type



■ Double Type



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



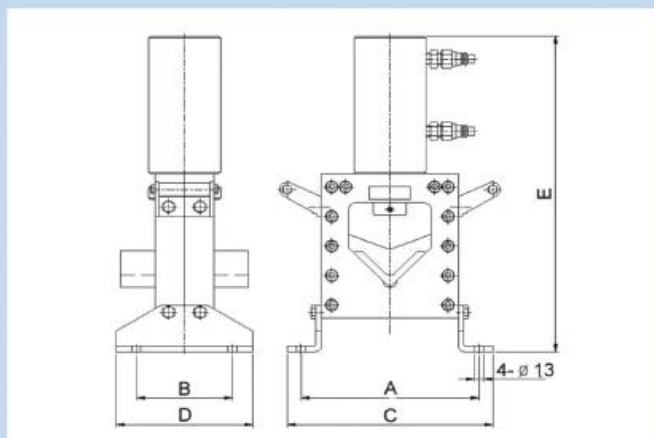
■ Specifications

Model	Max. Punching Diameter (ϕ)	Max. Punching Thickness (mm)	Max. Center Depth (mm)	Cylinder Capacity (ton)	Weight (kg)	Time for 1 Hole		Pump	Standard Punch & Die
TPUN-2410S	22	10	70	32	13	1HP	6sec	1HP Single	ϕ 10.5, ϕ 13.5 ϕ 17.5, ϕ 20.5
TPUN-2410								1HP Double	
TPUN-2416-07	24	16	70	47	21	2HP	5sec	2HP Double	ϕ 18, ϕ 20 ϕ 22, ϕ 24
TPUN-2416-11	24	16	110	47	28	2HP	5sec		
TPUN-2420	24	20	110	60	34	3HP	6sec	2HP, 3HP	
TPUN-3222	32	22	110	85	135	3HP	6sec	3HP, 5HP	ϕ 26, ϕ 28 ϕ 30, ϕ 32

❖ The above options are subject to change with out prior notice

HYDRAULIC TOOLS

• Angle Cutters



- Capacity : 20 ~ 50ton
- Strokes : 45~70mm
- Maximum Pressure : 700bar
- Angle cutters available with hand or electric pumps
- Hydraulic Coupler : TBC 384WM(PT3/8)



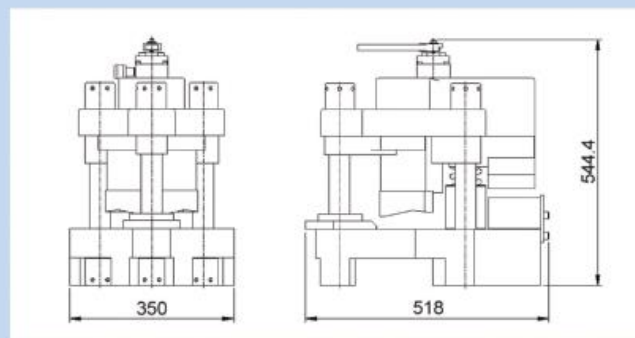
■ Specifications

Model	Cylinder Capacity (ton)	Stroke (mm)	Oil Capacity (cc)	Max. angle	Pump	Dimension (mm)					Weight (kg)
						A	B	C	D	E	
TAC-50	20	45	150	50X50X6T	1/2HP Double	200	120	240	180	366	18
TAC-75	30	65	288	75X75X10T		260	140	300	200	481	37
TAC-100	50	70	497	100X100X10T	1HP Double	360	220	420	300	596	78

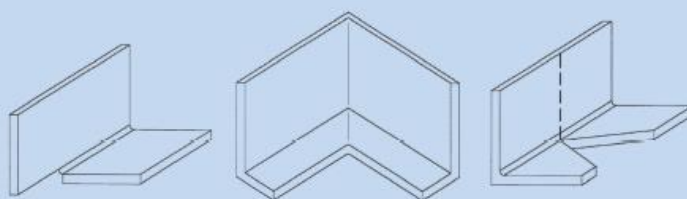
❖ The above options are subject to change with out prior notice

HYDRAULIC TOOLS

• Notching Machine



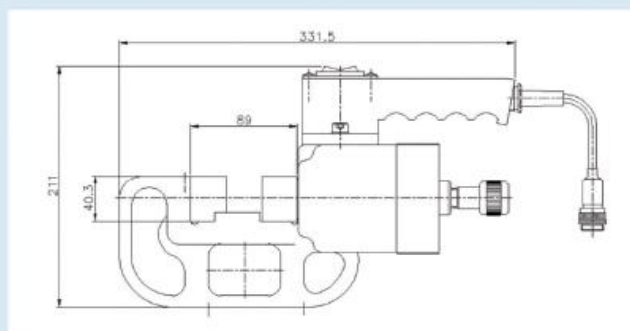
- Hydraulic Coupler : TBC 384WM
- Maximum Pressure : 700bar



■ 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	185

• Rod Cutter



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

■ Specifications

Model	Output Force (ton)	Stroke (mm)	Max Cutting DIA (ø)	Suitable Pump	Weight (kg)
TRC 25	30	30	25	1/2HP Single Sol	9

❖ The above options are subject to change with out prior notice

HYDRAULIC HAND PUMPS

THP-1AB



THPA-1B



THPA-1C



THP-2B



THP-3A



THP-3B



THPA-1B-D



THP-28



Option : Hose, Coupler, Gauge, Nipple

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

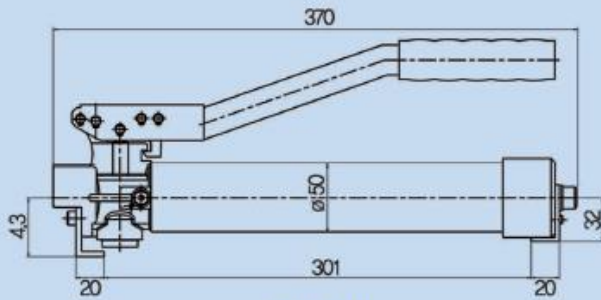
- Maximum Pressure : 700bar
- To order double acting hand pump add the letter "D" to the model No. ex) THP-2B-D

■ Specifications

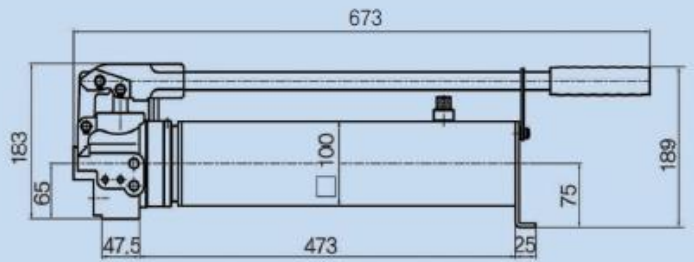
Model	Reservoir Capacity (cc)	Volume per stroke(cc)		Piston Dia. (mm)		Piston stroke (mm)	Weight (kg)	The quality of the material	Working Pressure (kgf/cm²)
		High Pressure	Low Pressure	High Pressure	Low Pressure				
THP-1AB	250	0.5	3.0	8.0	20	10	2.45	ALUMINUM	700
THPA-1B	800	2.0	13.0	11	28	20.5	4	ALUMINUM	
THPA-1C	1600	2.0	16.5	11	32		8	ALUMINUM	
THP-2B	2300	2.3	31	12	44		10.5	ALUMINUM	
THP-3A	3000	2.3	31	12	44		12.5		
THP-3B	10000	4.7	85	14	60	30	50		2800
THP-28	1500	0.5	11.7	5.5	28	19	6.1	ALUMINUM	

❖ The above options are subject to change with out prior notice

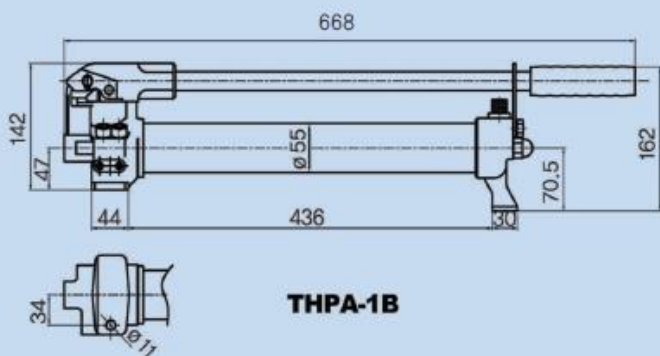
HYDRAULIC HAND PUMPS



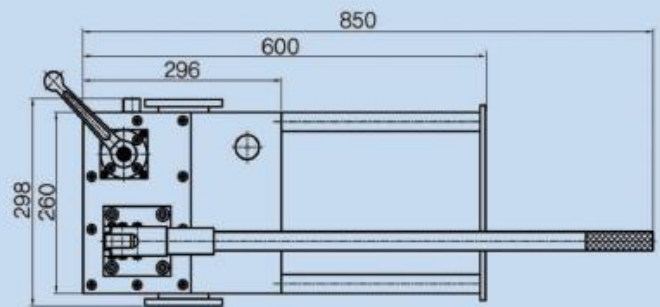
THP-1AB



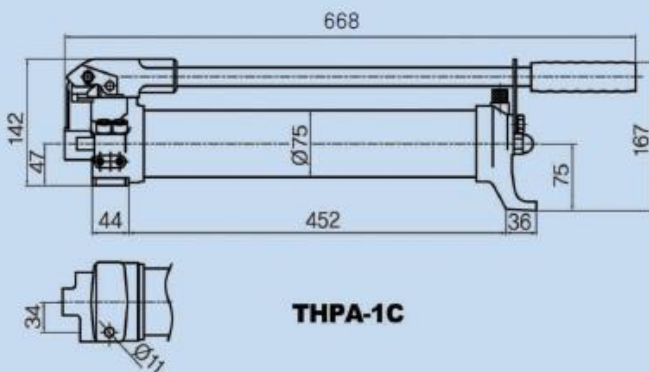
THP-3A



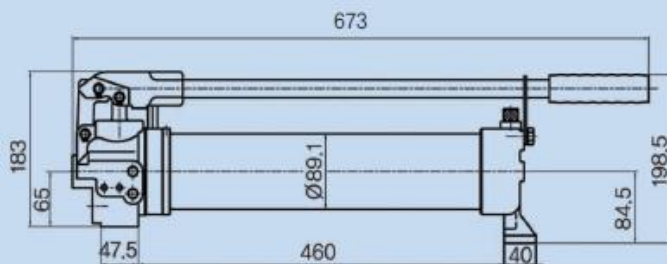
THPA-1B



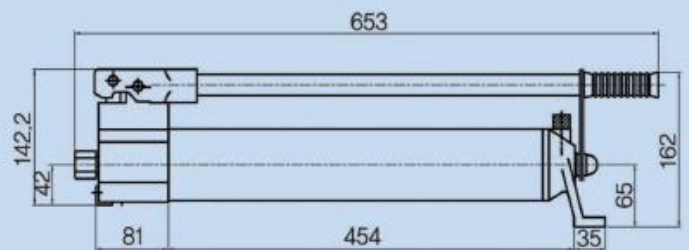
THP-3B



THPA-1C



THP-2B

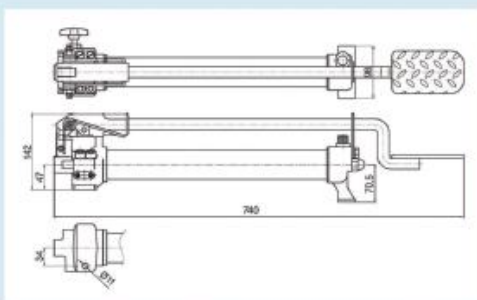


THP-28

❖ The above options are subject to change with out prior notice

HYDRAULIC FOOT PUMPS

• Foot Pump

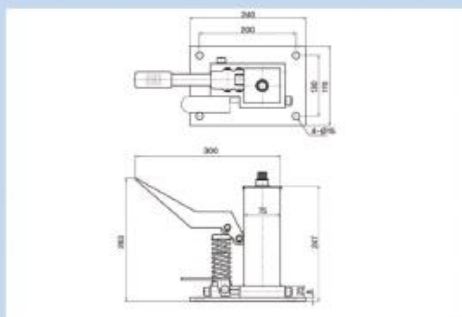


- Reservoir Capacity : 800 ~ 1600cc
- Volume per stroke :
High Pressure 2cc/stroke
Low Pressure 13~16.5cc/stroke
- Maximum Pressure : 700bar

■ Specifications

Model	Reservoir Capacity (cc)	Volume per stroke Capacity		Piston Dia. (mm)		Piston stroke (mm)	Weight (kg)
		High Pressure	Low Pressure	High Pressure	Low Pressure		
THPF-1B	800	2.0	13.0	11	28	20.5	4
THPF-1C	1600	2.0	13.0	11	32		8

• Foot Pump



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

■ Specifications

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

• Air Foot Pump



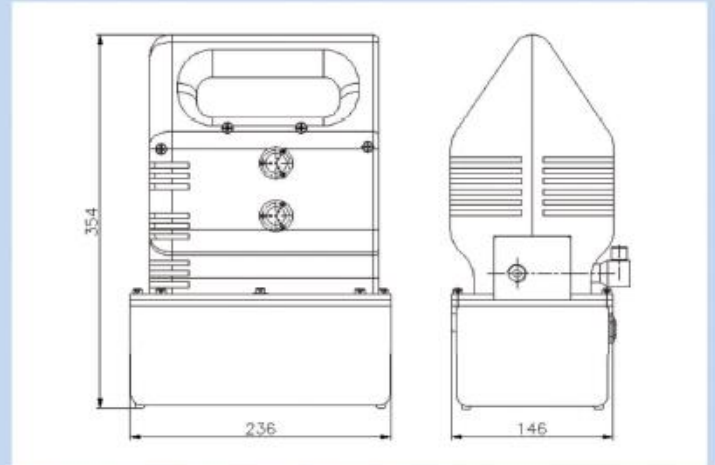
■ Specifications

Model No.	Type	Working Pressure (bar)	Out-put Flow Rate (l/min)	Air Pressure (kg/cm²)	Required Oil (l)
TAFP 1/2	Air Return Valve	700	1.0	6.2	2.0

❖ The above options are subject to change with out prior notice

HYDRAULIC MINI PUMPS

· AC Pump

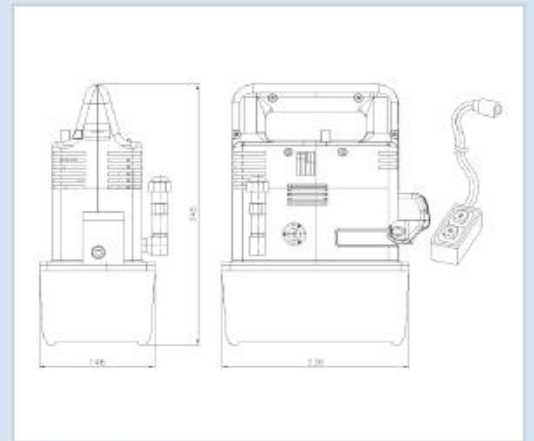


- Maximum Pressure : 700bar
- Remote Control Type

■ Specifications

Model	Pressure Capacity (bar)		Output Flow Rate (l/min)		Voltage (V)	Require oil (l)	Weight (kg)
	High Pressure	Low Pressure	High Pressure	Low Pressure			
TMPM 1/2	700	70	0.3	2.5	220V Single	2	9.3

· DC Pump(Battery Operated)



- Battery : Li-thiumion
- Maximum Pressure : 700bar
- Cock Type

■ Specifications

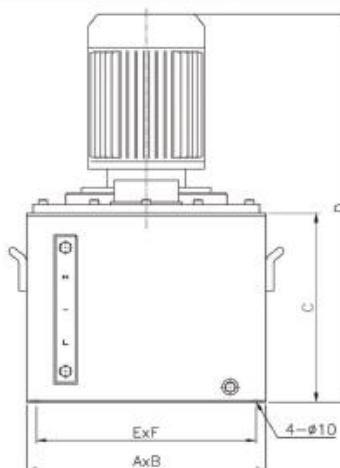
Model	Type	Pressure Capacity (bar)	Output Flow Rate (l /min)	Voltage (v)	Require oil (liter)	Weight (kg)
TDPM 1/3-C	COCK	700	1.0	18V 4.0Ah 1EA (Li-ion)	2	8.4
TDPM 1/3-S	SOLENOID	700	1.0	18V 4.0Ah 1EA (Li-ion)	2	8.6

❖ The above options are subject to change with out prior notice

ELECTRIC HYDRAULIC PUMPS

• Electric Hydraulic Pumps(700bar)

Single Sol Type



Cock Type



Manual Type



Double Sole Pilot c/v Type



Double Sole Type



❖ The above options are subject to change with out prior notice

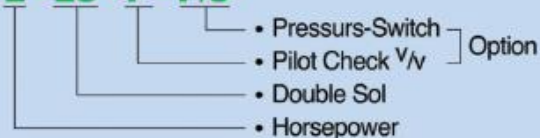
T E C P O S

Dimension Model	A×B	C	D	E×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 : 0.2 ~ 297(l /min)
- 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.

T M P 2 - 2 S - P - P / S



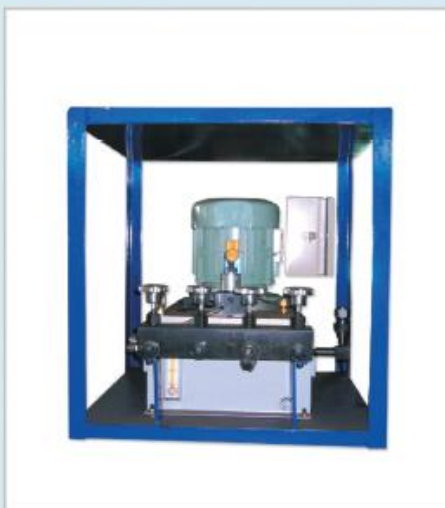
■ Specifications

Model	Model	Pressure Capacity (bar)		Output Flow Rate (l/min)		Voltage (V)	Electric Motor			Require Oil (liter)	Reservoir Capacity (liter)	Weight (kg)
		High Pressure	Low Pressure	High Pressure	Low Pressure		(Kw)	(Pole)	(RPM)			
TMP 1/3-M	MANUAL	700	70	0.2	2	220V SINGLE	0.25	4	1720	3.5	5.5	22
TMP 1/3-S	SINGLE SOLENOID	700	70	0.2	2	220V SINGLE	0.25	4	1720	3.5	5.5	22
TMP 1/2-M	MANUAL	700	70	0.43	2.58	220V SINGLE	0.4	4	1720	6	9	35
TMP 1/2-S	SINGLE SOLENOID	700	70	0.43	2.58	220V SINGLE	0.4	4	1720	6	9	35
TMP 1/2-2S	DOUBLE SOLENOID	700	70	0.43	2.58	220V SINGLE	0.4	4	1720	6	9	35
TMP 1-M	MANUAL	700	70	0.73	4.3	220V SINGLE	0.75	4	1720	8.4	12	50
TMP 1-S	SINGLE SOLENOID	700	70	0.73	4.3	220V SINGLE	0.75	4	1720	8.4	12	50
TMP 1-2S	DOUBLE SOLENOID	700	70	0.73	4.3	220V SINGLE	0.75	4	1720	8.4	12	50
TMP 2-M	MANUAL	700	130	1.35	6	220V & 380V 3-PHASE	1.5	4	1720	17	24.5	82
TMP 2-2S	DOUBLE SOLENOID	700	130	1.35	6	220V & 380V 3-PHASE	1.5	4	1720	17	24.5	82
TMP 3-M	MANUAL	700	130	1.8	9	220V & 380V 3-PHASE	2.2	4	1720	36	52	103
TMP 3-2S	DOUBLE SOLENOID	700	130	1.8	9	220V & 380V 3-PHASE	2.2	4	1720	36	52	103
TMP 5-M	MANUAL	700	130	2.97	13.3	220V & 380V 3-PHASE	3.7	4	1720	48	69.5	142
TMP 5-2S	DOUBLE SOLENOID	700	130	2.97	13.3	220V & 380V 3-PHASE	3.7	4	1720	48	69.5	142

❖ The above options are subject to change with out prior notice

ELECTRIC ULTRA-HIGH PRESSURE HYDRAULIC PUMPS

· Electric Hydraulic Pumps(2,500 Bar)



■ Specifications

Model	Type	Pressure Capacity (bar)		Output Flow Rate (l /min)		Voltage (v)	Electric Motor			Required Oil (l)	Reservoir Capacity (l)	Weight (kg)
		High Pressure	Low Pressure	High Pressure	Low Pressure		(Kw)	(Pole)	(RPM)			
TMP 3-M2000	MANUAL	2000	100	0.46	6.2	220v & 380v 3-PHASE	2.2	6	1200	36	52	103
TMP 3-C2000	COCK	2000	100	0.46	6.2	220v & 380v 3-PHASE	2.2	6	1200	36	52	103
TMP3-M2000R	MANUAL	2000	100	0.46	6.2	220v & 380v 3-PHASE	2.2	6	1200	36	52	103
TMP 5-C2500	COCK	2500	100	0.6	6.2	220v & 380v 3-PHASE	3.7	6	1200	48	69.5	142

Hand Pump

- Maximum Pressure : 700 ~2800bar
- Oil Capacity : To use 30% more than cylinder oil

Hydraulic Hose

- Maximum Pressure : 700~2500bar
- Shorter length recommended
- Standard length 1.8m (700bar)



Hydraulic Oil

- Oil Density :
 - Warm Area : #46
 - Cold Area : #32
 - HAND Pump Area : #10, #15

Pressure Gauge

- Dia Size : 64mm & 1000bar, PT1/4
100mm & 1000bar, PF1/2
100mm & 2500bar, PF1/2
100mm & 3000bar, PF1/2



❖ The above options are subject to change with out prior notice

HAND HYDRAULIC CUTTING TOOLS

· Cable Cutter

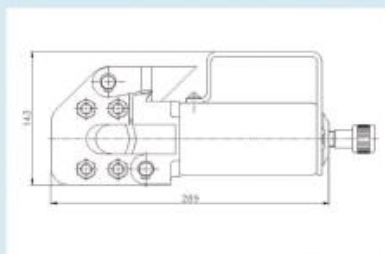


- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC381F(PT3/8)

■ Specifications

Model	Capacity (ton)	Features (mm, ø)	Dimension (mm)	Suitable Pump	Weight (kg)	Pump
TCC40-N	8	40	330×96×58	HAND PUMP or ELECTRIC PUMP	3.7	THPA-1B or TMPM-1/3, TDPM-1/3
TCC55B-N	10	55	394×110×68		5.8	
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		4.8	
TCC100-N	8	100	470×152×76		7.2	
TCC132-N	8	132	550×185×76		13	
TCC-40	8	40	590×150×48	WITHOUT PUMP	5.8	
TCC-55B	10	55	658×117×68		8.0	
TCC-55C	7.5	55	650×190×60		6.2	
TCC-85B	5	85	678×140×69		7.2	
TCC-85C	7.5	85	680×220×69		7.0	

· Wire Cutter



■ How to understand Model No.

TCT32-N

- Without Pump
- Wire Dia
- Wire Cutter
- TECPOS

- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC381F(PT3/8)

Model	Capacity (ton)	Stroke (mm)	Features (mm)	Dimension Size (mm)	Suitable Pump	Weight (kg)
TCT32-N	20	40	32	288	HAND PUMP or ELECTRIC PUMP	8.8

❖ The above options are subject to change with out prior notice

HYDRAULIC PUNCHES

Hydraulic Knockout Punch

TKOP-2 / TKOP-4



TKOP-P2 / TKOP-P4



- Punching Capacity : 1/2"~4"
- Cylinder Capacity : 10ton
- Maximum Pressure : 800bar
- Hydraulic Coupler : TBC 3814WF(PT3/8)



How to understand Model No.

TKOP-2"

- Model No. Size
- Knockout Punch
- TECPOS

Specifications

Model No.	Capacity (ton)	Punching Thickness(mm)		Max. Punching dia.(mm)	Weight (kg)
		SS400이하	SUS		
TKOP-2	10	3.2	1.6	1/2" -2"	14
TKOP-4	10			1/2" -4"	22

Size	Punching Dia (ø)	Cable Out Dia (ø)	Screw	TKOP-15
B16(1/2)"	21.8	21.0	7/16" X 20S	Ø11(mm)
B22(3/4)"	27.6	26.5	3/4" X 16S	After make a hole with a Ø11mm drill, B16(1/2) punch is used 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" X 12S	
B82(3)"	88.9	87.9		
B104(4)"	115.5	113.4		

❖ The above options are subject to change with out prior notice

HYDRAULIC TOOLS

Hydraulic Crimping Heads

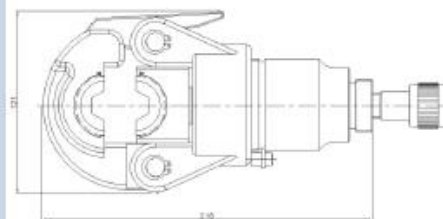
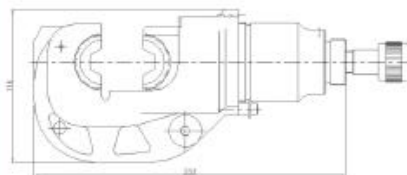
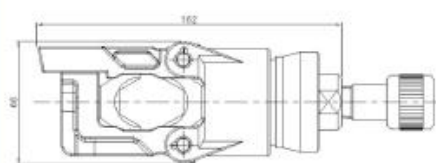
TCP240-N



TCP400-32-N



TCP400-20-N



- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)

How to understand Model No.

T C P 240 - 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	1.5	THPA-1B or TMPM-1/3, TDPM-1/3
TCP400-32-N	12.2	32	75×300	JIS 14~325mm ² (14, 22, 38, 60, 80, 100, 150, 200, 250, 325) 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 , Tap-off connector T20~T365	4.0	
TCP400-20-N	12.2	20	80×260		4.0	

❖ The above options are subject to change with out prior notice

TERMINAL CRIMPING PRESS

· Hand Hydraulic Crimping Tools

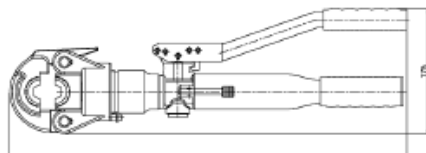
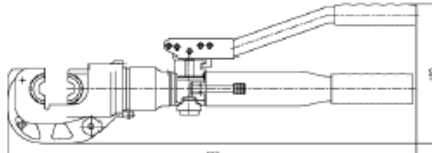
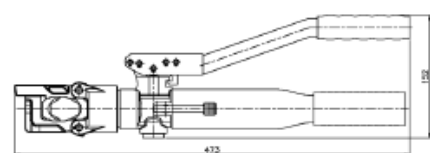
TCP240



TCP400-32



TCP400-20



- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)

■ How to understand Model No.

T C P 240 - N

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

■ 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	3.1
TCP400-32	12.2	32	75×546	JIS 14~325mm ² (14, 22, 38, 60, 80, 100, 150, 200, 250, 325) IEC 16~400mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400)	5.8
TCP400-20	12.2	20	80×510	ACSR 32~160mm ² , Terminal crimp 8~150mm ² , Tap-off connector T20~T365	5.1

❖ The above options are subject to change with out prior notice

HYDRAULIC CRIMPING HEADS



- Capacity : 30ton
- Stroke : 30mm
- Maximum Pressure : 700bar
- Hydraulic Coupler : TBC 381F(PT3/8)
- Dies Hexagon
- To crimp various cable terminals by hydraulic Pressing
- Basic : 5EA
- Dies : 325,0400~500, 600, 725~850, 1000

■ How to understand Model No.

TTCP-630

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

■ Specifications

Model	Capacity (ton)	Stroke (mm)	A range of application (standard)	Weight (kg)	Pump
TTCP 630-N	8-500	29	COPER HEXAGON IEC 300, 400, 500, 630 ※IEC 16~240(produce by order)	5.2	1B, 1/3HP
TTCP 1000-N	325~1,000	30	COPER HEXAGON IEC 500, 630, 800, 1000	9	1B, 1/3HP

■ Produce by order

Normal Size	Male / Female Dies
240-36	240-36
250-38	250-38
325-42	325-42
400 ~ 500-47	400 ~ 500-47

❖ The above options are subject to change with out prior notice

BATTERY OPERATED CRIMPING TOOLS



■ Specifications

Model	Capacity (ton)	Stroke (mm)	Size (mm)	Weight (kg)	A range of application
TBCP400-32	12.2	32	425×314×80	5.95	JIS 14~325mm ² (14, 22, 38, 60, 80, 100, 150, 200, 250, 325) 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 , p-off connector T20~T365
TBCP400-40	12.2	42	434×314×80	6.6	JIS 14~325mm ² (14, 22, 38, 60, 80, 100, 150, 200, 250, 325) 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 , Tap-off connector T20~T365
TBCP400-20	12.2	20	380×320×80	4.9	JIS 14~325mm ² (14, 22, 38, 60, 80, 100, 150, 200, 250, 325) IEC 16~400mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400) 전용다이스 ACSR 32~160mm ² , Terminal crimp 8~150mm ² , Tap-off connector T20~T365
TBCP300	8	20	120×475×85	4.0	JIS 14~250mm ² (14, 22, 38, 60, 80, 100, 150, 200, 250) IEC 16~300mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300) 전용다이스 ACSR 32~120mm ² , Terminal crimp 8~120mm ² , Tap-off connector T20~DT288
TBCP240	6	14	120×425×75	1.95	IEC 16 ~ 240mm ² , AIR(1/2) & GAS(5/16), HOSE Crimping, Octagon DIES
TBCP185	8	20	120×475×85	4.0	Indent Type, IEC 16~185mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185)
TBCP25	1.5	5	120×390×75	1.65	Non-Insulated Solderless Terminals, 1.25~25SQ
TBCP630-40	12.2	42	446×332×80	7.8	JIS 14~325mm ² (14, 22, 38, 60, 80, 100, 150, 200, 250, 325) IEC 16~630mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400, 500, 630) ACSR 32~160mm ² , 압축단자(Terminal crimp) 8~150mm ² , 배꼽타입(Indent Type), IEC 16~300mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300), 콘넥타(Tap-off connector) T20~T365
TBCP300G	5.3	30	440×335×80	5.3	IEC 16~300mm ² (16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300) Anderson 타입 콘넥터 (Dieless)

❖ The above options are subject to change with out prior notice

BATTERY OPERATED PUNCHING TOOLS

■ Specifications



Model	TBKOP-2 (For knock-out punching)		
Capacity	8ton	Size	120×480×85mm
Stroke	25mm	Weight	4.7kg
A range of application	TBKOP-2 ▶ B16(1/2)", B22(3/4)", B28(1)", B36(1 1/4)", B42(1 1/2)", B54(2)"		
Punching Dia (mm)	3,2(SS400 이하), 1,6(SUS 이하), 3,2(Under SS400), 1,6(Under SUS)		

BATTERY OPERATED CUTTING TOOLS



■ Specifications

Model	Capacity(ton)	Features(mm, ø)	Size(mm)	Weight(kg)	A range of application
TBCC-16	2.4	16	425×120×75	2.3	Battery 18V, 2.0Ah 1EA / Charger 1EA, 220V Only
TBCC-32	2.4	32	425×120×75	2.3	
TBCC-40	8	40	450×370×80	4.7	Battery 18V, 4.0Ah 1EA / Charger 1EA, 220V Only
TBCC-55B	10	55	450×380×80	7.0	
TBCC-55	7.5	55	440×370×80	5.0	
TBCC-85	7.5	85	520×400×80	5.6	

Model	Dimensions (mm)	Weight (kg)	Cutting capacity	절단시간	절단대상	사용전원
TBRC 55	405×135×110	2.7 (배터리제외)	55 ø	약 5초 (325mm ² 1 Core, at 54 ø)	케이블/연케이블 /지중선케이블	DC 18V

❖ The above options are subject to change with out prior notice

STAINLESS PIPE JOINT TOOL



· TPSR-G (Joint Tool)

※ 배터리 무게 제외
(Excluded battery weight)

Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
4	60	314×480×80	4.3
A range of application		SR 13, 20, 25, 30, 40, 50, 60	

※ 기본 공급품 ▶ 배터리: 18V 리튬이온(4.0Ah), 무게: 612g

※ Standard parts ▶ Battery(18V Li-ion 4.0Ah), Weight: 612g



· TPSR-N (Joint Tool)

※ 펌프 별도형(Without Pump)

Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
4	60	360×70	3.1
A range of application		SR 13, 20, 25, 30, 40, 50, 60	
Using Pump		TMPM½	

13, 20, 25 Y Type Joint



13, 20, 25 R Type Joint



30, 40, 50, 60, 80, 100 Joint



· TBSREQ25 (EQ/SR Joint Tool)

※ 배터리 무게 제외
(Excluded battery weight)

Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
6	20	120×560×85	3.6
A range of application		EQ(몰크) / SR 13, 20, 25	

※ 기본 공급품 ▶ 배터리: 18V 리튬이온(4.0Ah), 무게: 612g / 다이스 3종 선택사항(EQ 13, 20, 25 / SR 13, 20, 25)

※ Standard parts ▶ Battery(18V Li-ion 4.0Ah), Weight: 612g / Selected Dies EQ or SR 3Set(13, 20, 25)

· TSREQ25-N (EQ/SR Joint Tool)

※ 펌프 별도형(Without Pump)

Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
6	20	110×360	2.5
A range of application		EQ(몰크) / SR 13, 20, 25	
Using Pump		THPA-1B or TMPM½, TDPM½	

❖ The above options are subject to change with out prior notice

STAINLESS PIPE JOINT TOOL



※ 배터리 무게 제외
(Excluded battery weight)

· TPEQ (EQ Joint Tool)

Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
4	30	120×415×75	1.9
A range of application		EQ(몰크) 13, 20, 25, 30	

※기본 공급품▶배터리:18V리튬이온(2.0Ah), 무게:612g
※Standard parts▶Battery(18V Li-ion 2.0Ah), Weight:612g



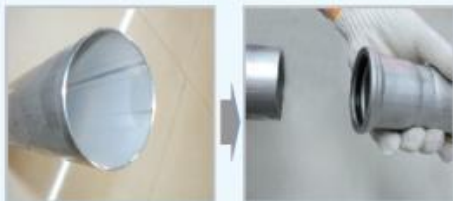
· TPEQ-N (EQ Joint Tool)

※ 펌프 별도형(Without Pump)

Capacity(ton)	Stroke(mm)	Size(mm)	Weight(kg)
4	60	360×70	2.5
A range of application		EQ 13, 20, 25, 30	
Using Pump		TMPM½	

■ Specifications

UNDER 25SU



OVER 30SU



1. 적용 기준

일반배관용 스테인리스 강관(KS D 3596) 13 ~ 100 SU, 80 SU 이상은 SCH/5 (KS D 3576) 가
가능함

2. 적용 범위

상수도 매설관용, 냉·난방용, 건축물 내 급수, 급탕, 조선 선박 배관

3. 재료

STS 304, 316L, K-Type 파이프 적용

4. 작업 방법 (작업 설명 사진)

- 1) 파이프를 절단한다 - 관끝이 직각이 되도록 하여 원하는 길이 만큼 절단 한다.
- 2) BURR(베리)제거 - 파이프 삽입시 고무링(오링)을 손상시켜 작업후 수압 테스트시 누수의 원인이

되므로 파이프 끝단면의 베리 제거(면치작업)는 꼭 필요한 작업이다.

- 3) 이음쇠에 파이프 삽입 - 이음쇠와 파이프를 밀착시키 되도록하여 자연스럽게 고무링(오링)이 손상되지 않도록 삽입한다.
- 4) JOINT TOOL 로 연결부 압착 - 이음쇠 및 파이프 삽입이 된 상태에서 연결부 몸과 JOINT TOOL 의 끝에 맞추어 인착후 충전식 건 타입 및 전동 펌프를 이용하여 압착 실시.
- 5) JOINT TOOL 압착후 치수 확인 - 버니어 캘리퍼스 및 검사용 지그를 이용하여 정상 압착 치수를 검사.

5. 검사 및 시험 방법

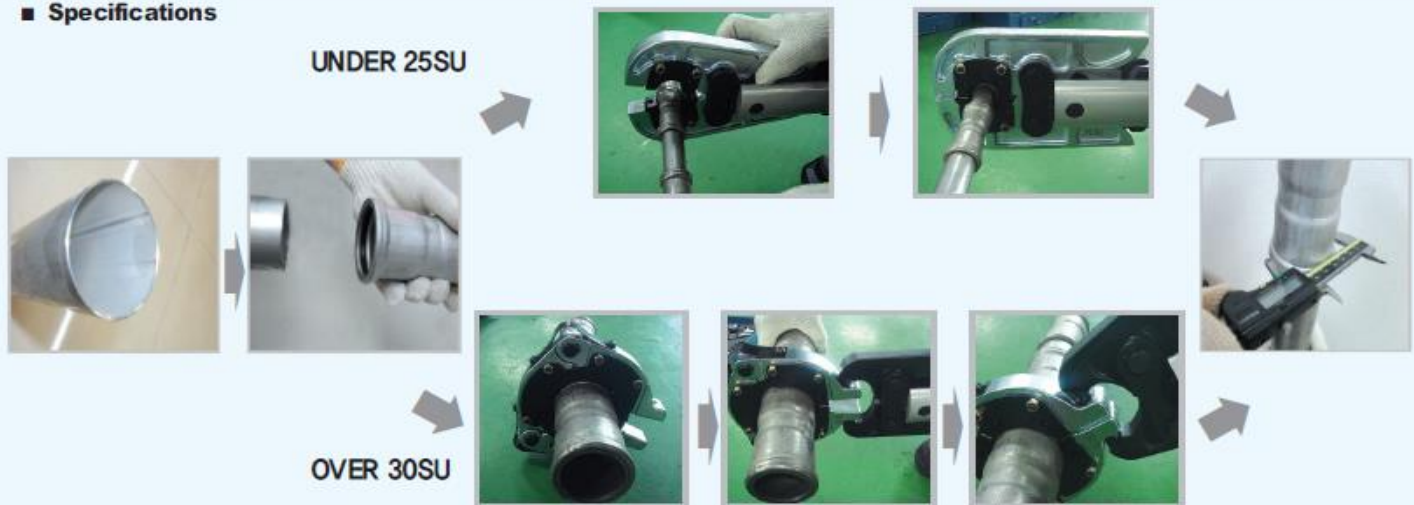
- 1) 검사 - 원형으로 압착이 되었는지, 2중 원형홈이 뚜렷이 나타났는지 육안검사 후 불충분시 검사용 지그 및 버니어캘리퍼스를 사용하여 치수 검사 실시.
- 2) 시험 - 작업 완료후 상용 압력의 3 ~ 4배 정도의 수압을 걸어 누수 여부 확인 및 비눗물을 제품에 묻혀 에어를 이용하여 누수 여부를 확인 한다.

❖ The above options are subject to change with out prior notice

STAINLESS PIPE JOINT TOOLS

• How to use JOINT TOOL

■ Specifications



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 fig 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 a mount of ail.

❖ The above options are subject to change with out prior notice

DTFM (DAEJIN TECPOS FITTING FORM MACHINE)

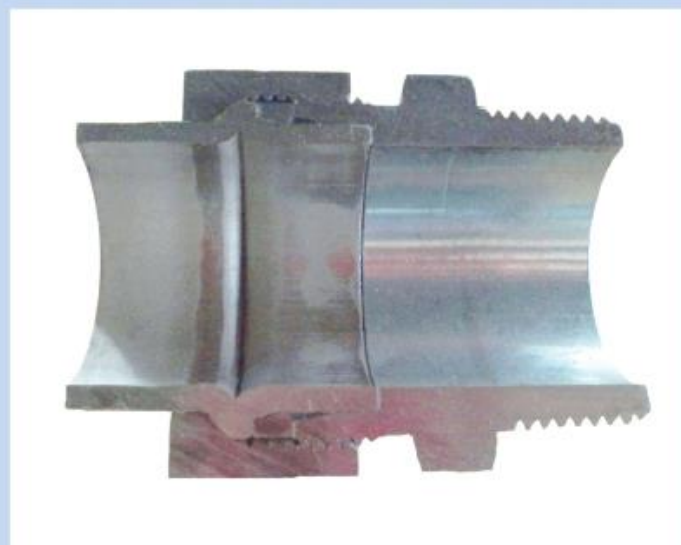


▲ Fitting Form Machine Front

종 류	규 격
Size	700 X 800 X 1500
Forming Force	150ton
Clamping Force	200ton
Pipe Size	Ø6 ~ Ø42
Weight	400kg



▲ Fitting Form Machine Jig Installation



▲ Union Pipe Assembly Section

❖ The above options are subject to change with out prior notice

HYDRAULIC PIPE BENDERS



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

■ How to understand Model No.

T P B - 2"

- Bending Capacity, 2 inch
- Pipe Bender
- TECPOS



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

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

■ Specifications

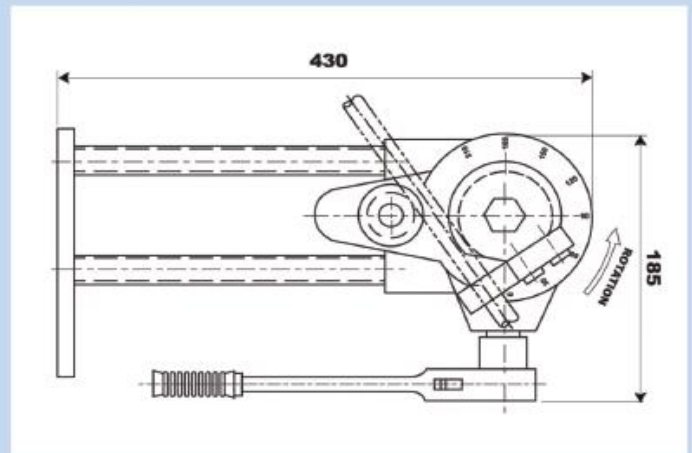
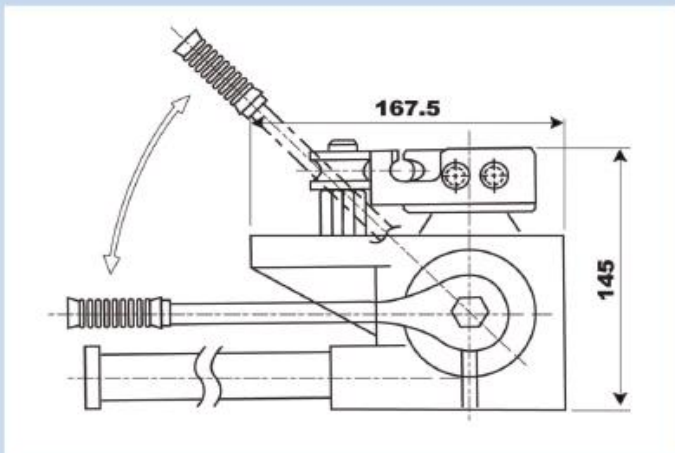
Model	Model Capacity (inch)	Max. Wall Thickness (mm)	Max. Bending Angle (°)	Dimension (mm)				Bending Shoes (Qt'y)	Cylinder Capacity (ton)	Stroke (mm)	Oil Capacity (cc)	Weight (kg)	Pump
				A	B	C	D						
TPB-2	2" (50A)	3.8	90	700	555	250	170	1/2"~2"	10	255	388	40	1B
TPB-3	3" (80A)	4.5	90	870	751	300	250	1/2"~3"	15	285	677	114	1C
TPB-4	4" (100A)	4.9	90	1000	766	300	260	1/2"~4"	20	300	996	130	

❖ The above options are subject to change with out prior notice

RATCHET HAND BENDER



- Formers size : $\varnothing 10$, $\varnothing 12$, $\varnothing 15$
- This bender is light weight portable.
- It takes little time to exchange formers.
- Bending is easy with bevel ratcheting.
- This bender can be used for any tube material (steel, stainless steel, copper tube, etc.) and there will be no deformation.



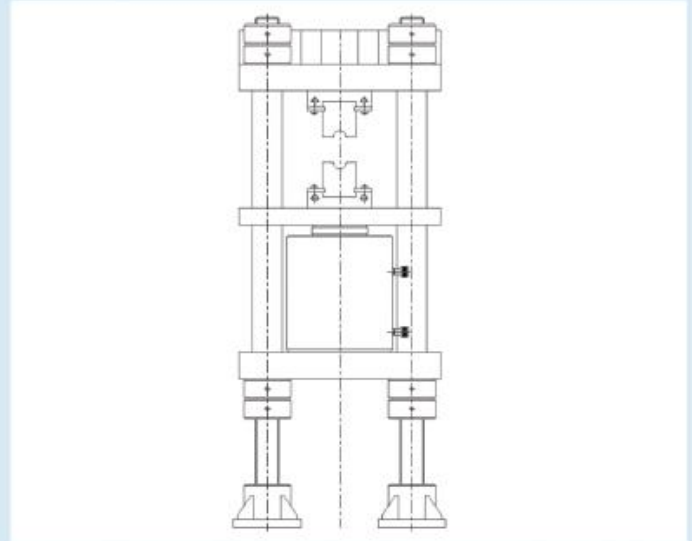
■ Specifications

Model	Max. Bending Angel (°)	Max. Bending Size			Weight (kg)
TPBR-2	180	Stainless	Steel	Copper	4.2
		$\varnothing 15 \times 2$	$\varnothing 15 \times 2$	$\varnothing 15 \times 3$	

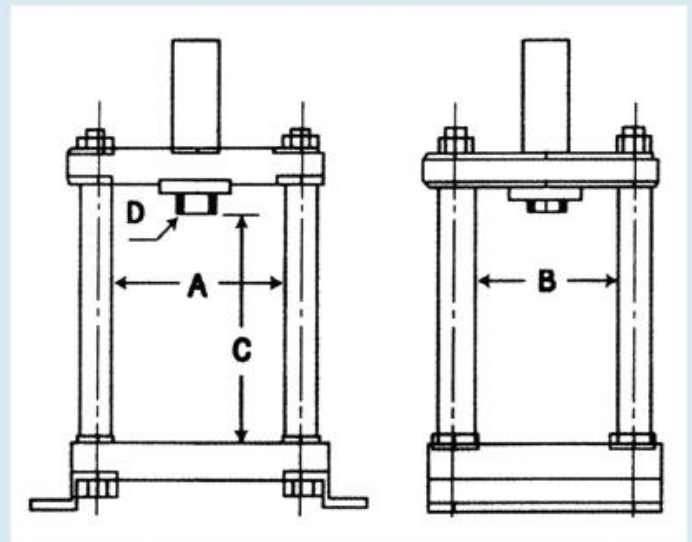
❖ The above options are subject to change with out prior notice

HYDRAULIC SHOP PRESS

· Wire Rope Swage Press



· Shop Press (TSP)



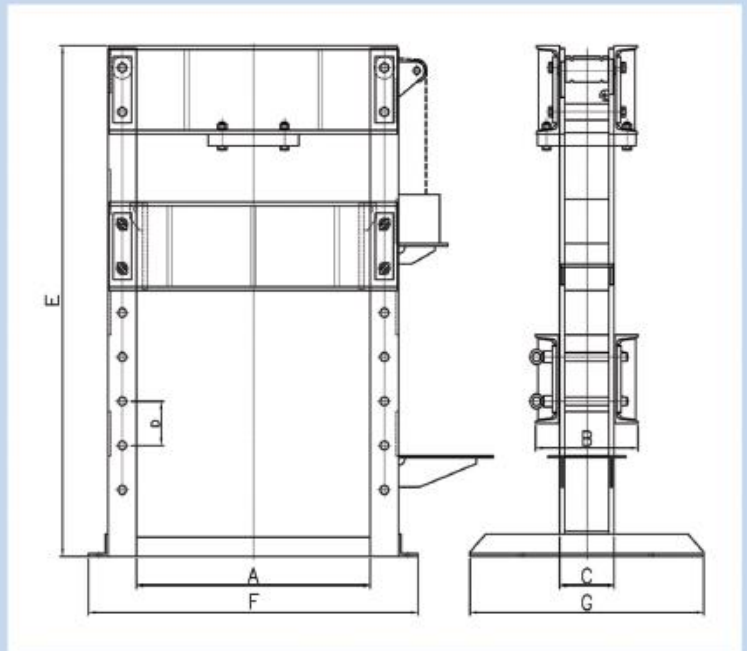
■ Specifications

Model	Capacity (ton)	Stroke (mm)	Dimension				Weight (kg)	Cylinder	Pump
			A	B	C	D			
TSP-10	10	150	300	250	300	M36XP2.0	140	TSC10150	Hand Pump or Electric Pump
TSP-20	20	150	350	250	390	M56XP2.0	240	TSC20150	
TSP-30	30	150	400	300	400	M62XP2.0	360	TSC30150	Electric Pump

❖ The above options are subject to change with out prior notice

HYDRAULIC SHOP PRESS

• Shop Press



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

❖ The above options are subject to change with out prior notice

HYDRAULIC PUMPS

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

TMP3-M2000R



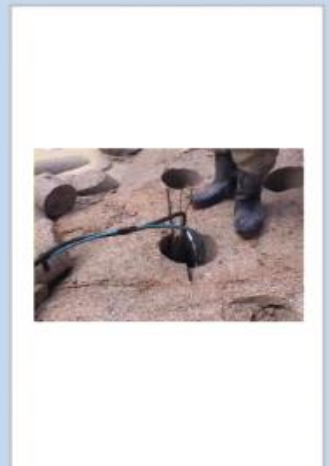
Model	Type	Max. Pressure (bar)	Voltage	Required Oil (liter)	Reservoir Capacity (liter)	Weight (kg)
TMP3-M2000R	MANUAL	2000	220V & 380V 3-PHASE	36	52	103

• *Hydraulic Rock Splitter Cylinder*

TRB-21



TRB-1



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

❖ *The above options are subject to change with out prior notice*

EXAMPLES OF APPLICATIONS



❖ The above options are subject to change with out prior notice

EXAMPLES OF APPLICATIONS



■ C-SECTION STEEL PUNCHING



■ BLOCK LIFT(Heracles)



■ HYDRAULIC AUTOMATIC PULLERS



■ TABLE LIFT



■ SHOP PRESS



■ 10TON C-TYPE PRESS



■ ALUMINUM LOCK NUT CYLINDER



■ PLATE CUTTERS



■ BATTERY BLOCK LIFT



■ BATTERY BLOCK LIFT

❖ The above options are subject to change with out prior notice

EXAMPLES OF APPLICATIONS



■ **Steel Supports removing Hydraulic JIG** : used in removing steel supports for shipblocks.



■ **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.

❖ The above options are subject to change with out prior notice

HYDRAULIC ACCESSORIES

Item	Model		Application
	TCV 2000		Hand pumps and Electric pumps for use of both single and double acting Manual Valve
	TSV 3200 Single-Acting	TSV 4300 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
	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

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HYDRAULIC ACCESSORIES

Item	Model	Application
	TPG 64	Gauge Face Dia. 64mm X 1000bar
	TPG 100	Gauge Face Dia. 100mm X 1000bar
	TPG 100-25	Gauge Face Dia. 100mm X 2500bar
 Block Adaptors	TGA 7001	Gauge Block. For easy mounting of a pressure gauge onto your system
	TGA 7002	Gauge Adaptors. For easy mounting of a pressure gauge onto your system
	THS 700	Max. Pressure 700bar
	THS 1000	Max. Pressure 1000bar
	THS 1800	Max. Pressure 1800bar
	THS 2500	Max. Pressure 2500bar
	TBC 381M	3/8" PT. Pin type hose coupler
	TBC 381F	3/8" PT. Pin type cylinder coupler
	TBC 382M	3/8" PT. Ball type hose coupler
	TBC 382F	3/8" PT. Ball type cylinder coupler
	TBC 384WM	3/8" PT. One Touch type coupler
	TBC 384WF	3/8" PT. One Touch type coupler
	TPSC 7000	· Pressure Switches, easy to use with high Accuracy · Pressure 700 Bar

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