



Hydraulic Jacks ■ Cylinders ■ Pumps ■ Power Packs ■ Presses ■ Tools

Product	Page No.	Product	Page No.
Company Profile.	1	Power Packs.	14
Pancake Jacks.	2	Puller Attachment for External Pumps.	15
Flat Jacks & Low Height Jacks.	3	Puller with inbuilt Pump.	16
Telescopic Jacks.	4	Toe Jacks / Machine Lift, Crimping Tools.	17
Plain Ram Spring Return Jacks.	5	Bolt Tensioners, Nut Splitters.	18
Threaded Ram Spring Return Jacks.	6	Manual Torque Wrenches / Torque Multipliers.	19
Plain / Threaded Ram Load Return Jacks.	7	Hydraulic Torque Wrenches.	20
Double Acting Plain Ram, Hyd. Cylinders.	8	Wedge / Flange Spreaders.	21
Centre Hole Single / Double Acting Jacks.	9	Oil Coolers.	22
Mechanical Track Jacks.	10	'H' Frame / Roll Table Frame Hydraulic Presses.	23
Aluminium Jacks - Plain / Threaded Rams.	11	Mobile Cranes, Track Link Pin Press.	24
Aluminium Center Hole / Double Acting Jacks.	12	Hydraulic Accessories.	25
Hand Pumps.	13	Safety Instructions.	26

COMPANY PROFILE

ABOUT US

Powerjac Systems Pvt.Ltd. is an ISO 9001-2015 certified Engineering Company engaged in design, manufacturing, testing & commissioning of oil hydraulics, light weight- heavy duty jacks, cylinders, systems, tools & associated hydraulic accessories for the past two decades. Every product undergoes quality test right from the purchase of the raw material right up to every stage of manufacturing to ensure that, the right product reaches the users on time. Powerjac is not merely a supplier of hydraulic systems but also closely associated with the users to develop innovative solutions to meet engineering challenges & give synergistic effect to the product.

The dynamic leadership & the enthusiastic team help to transform an idea into a reality beyond the expectation of the users. Powerjac is recognised as a solution provider than a manufacturer of a catalogue product.

OUR PRODUCTS

HYDRAULIC JACKS	: Standard / Customised.	HYDRAULIC CYLINDERS	: Customised.
RAILWAY TRACK JACKS	: Standard-Mechanical.	HYDRAULIC TOOLS	: Standard.
HYDRAULIC POWER PACKS	: Standard / Customised.	HYDRAULIC HAND PUMPS	: Standard.
HYDRAULIC HANDLING EQUIPMENT	: Customised for individual requirement	HYDRAULIC PRESSES	: Standard / Customised.

INDUSTRY WE CARE

With our enriched experience of a wide range of standard & customised products, POWERJAC caters to Indian Railways, Steel Plants, Cement Plants, Construction Companies, Heavy Engineering, Automobiles, Sugar Industries, Petrochemicals, Thermal Power Plants, Atomic Power Plants, Mining Industry, Defence, Air Force, Navy & Shipyards.

OUR QUALITY POLICY

We at Powerjac Systems Pvt. Ltd., strive to achieve total customer satisfaction by supplying quality products & components timely at market driven price through continual improvements in process, products & skills by upgrading infrastructure & providing necessary training to all our employees.

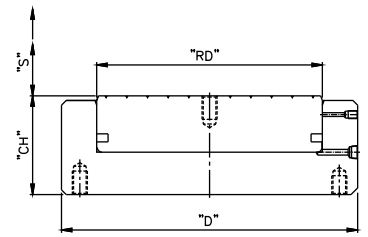
OUR VISION

To be a most trusted name in Hydraulics in India and globe at Large.

Plain Ram Load Return Hydraulic Pancake Jack (PCP-Series)

Capacity : 10-300 Stroke : 20 mm Working : 700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
PCP-10/020	10	40	20	45	85	40.5	1.6	PHP-200/2
PCP-20/020	20	45	20	63	100	80	2.5	PHP-200/2
PCP-30/020	30	50	20	75	110	113	3.5	PHP-200/2
PCP-50/020	50	60	20	100	140	200	6.8	PHP-200/2
PCP-100/020	100	80	20	140	176	395	15	PHP-200/2
PCP-150/020	150	85	20	170	225	580	25	PHP-400/3N
PCP-200/020	200	90	20	200	255	800	35	PHP-400/3N
PCP-300/020	300	100	20	240	310	1150	60	PHP-400/3N



Features / Benefits :

- Compact, pancake design, heat treated alloy steel body.
- Hard chrome plated ram to resist scoring and corrosion.
- Single acting, load return, Plain Ram.
- Grooved ram acts as integral saddle.
- High pressure long life seals.
- Port Size 1/4" and 3/8" NPT.
- QCC with Plastic dust cap. Aluminum Dust Cap on Request.
- Customised capacity and stroke on request

Application :

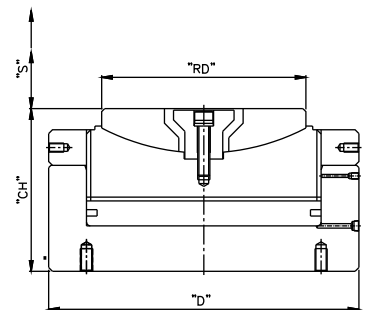
Pancake jacks are designed specifically where space is a constraint. Ideally used where no other cylinders fits for lifting, lowering, spreading of structures, bridges, heavy machinery etc.



Threaded Ram Load Return Hydraulic Pancake Jack (PCT-Series)

Capacity : 50-500 Stroke : 30-40 mm Working : 700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
PCT-50/30	50	110	30	100	140	300	10	PHP-200/2
PCT-100/30	100	125	30	140	175	588	20	PHP-400/3N
PCT-150/30	150	140	30	170	225	867	35	PHP-400/3N
PCT-200/40	200	150	40	200	255	1600	50	PHP-500/6
PCT-250/40	250	170	40	220	285	1935	68	PHP-500/6
PCT-300/40	300	180	40	240	315	2305	92	PHP-500/6
PCT-400/40	400	200	40	280	355	3135	126	PHP-500/6
PCT-500/40	500	215	40	310	405	3845	189	PHP-500/6



Features / Benefits :

- Compact, pancake design, heat treated alloy steel body.
- Hard chrome plated ram to resist scoring and corrosion.
- Grooved ram acts as integral saddle.
- Single acting, load return, threaded ram and mechanical safety lock-nut to sustain load on lock nut for longer period.
- High pressure long life seals.
- Port Size 1/4" and 3/8" NPT.
- QCC with Plastic dust cap. Aluminum Dust Cap on Request.
- Customised capacity and stroke on request

Application :

Pancake jacks are designed specifically where space is a constraint. Ideally used where no other cylinders will fit for lifting, lowering, spreading of structures, bridges, heavy machinery etc.

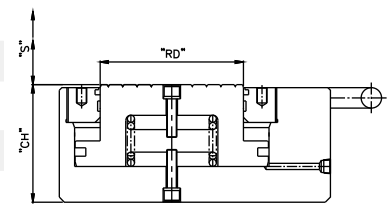
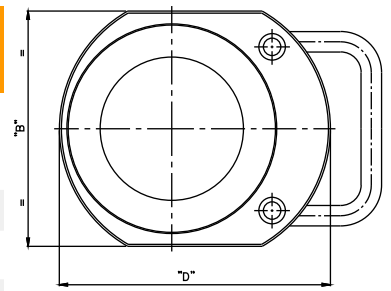


- To reduce the closed height of the jack, there is no seal box in PCP & PCT series jacks. One has to monitor the red line marking provided on the ram for max. lifting stroke, since there would be a chance of ram coming out of the cylinder which would result in an accident or failure of Jack.
- Place rigid base below the Jack.

Ultra Low Height Plain Ram Spring Return Hydraulic Flat Jack (FJS-Series)

Capacity :-5-200 Stroke:-8-16 mm Working :-700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
FJS-5/8	5	35	8	25	60 X 45	7.2	0.5	PHP-200/2
FJS-5/16	5	43	16	25	60 X 45	12.9	1.0	PHP-200/2
FJS-10/12	10	45	12	38	80 X 60	19	1.3	PHP-200/2
FJS-20/12	20	51	12	50	100 X 80	40.5	2.6	PHP-200/2
FJS-30/12	30	58	12	65	117 X 95	57.5	3.0	PHP-200/2
FJS-50/16	50	65	16	70	140 X 120	113.5	6.0	PHP-400/3N
FJS-75/16	75	79	16	85	175 X 145	203.5	11.6	PHP-400/3N
FJS-100/16	100	85	16	100	185 X 160	257.6	17.1	PHP-400/3N
FJS-150/16	150	85	16	120	230 X 205	408.5	29.5	PHP-400/3N
FJS-200/16	200	115	16	140	265 X 230	510.3	45.0	PHP-400/3N



Features / Benefits :

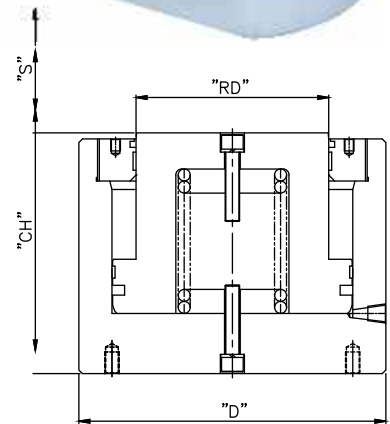
- Compact, flat design, high strength, heat treated alloy steel body.
- Hard chrome plated ram to resist scoring and corrosion.
- Single acting spring return for smooth lowering. High pressure long life seals.
- Top mounting holes for easy fixturing. Grooved ram acts as integral saddle.
- 'O' Ring to arrest ingress of foreign particles.
- Port Size 1/4" and 3/8" NPT.
- QCC with Plastic dust cap. Aluminum dust cap on request.



Low Height, Spring Return Hydraulic Jack (LHJ-Series)

Capacity :-10-200 tons Stroke:-25-60 mm Working :-700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
LHJ-10/25	10	75	25	38	65	43	2.0	PHP-200/2
LHJ-10/50	10	100	50	38	65	83	3.0	PHP-200/2
LHJ-20/25	20	80	25	50	85	81	3.4	PHP-200/2
LHJ-20/50	20	105	50	50	85	159	3.8	PHP-200/2
LHJ-30/25	30	80	25	065	100	120.3	4.8	PHP-200/2
LHJ-30/50	30	105	50	065	100	230	6.1	PHP-200/2
LHJ-30/62	30	117	62	065	100	280	7.2	PHP-200/2
LHJ-50/60	50	122	60	090	130	480	11.0	PHP-400/3N
LHJ-75/60	75	138	60	100	155	710	17.5	PHP-400/3N
LHJ-100/60	100	142	60	120	175	950	23.5	PHP-500/6
LHJ-150/60	150	175	60	150	225	1430	36.0	PHP-500/6
LHJ-200/60	200	200	60	160	255	1980	62.3	PHP-500/6



Features / Benefits :

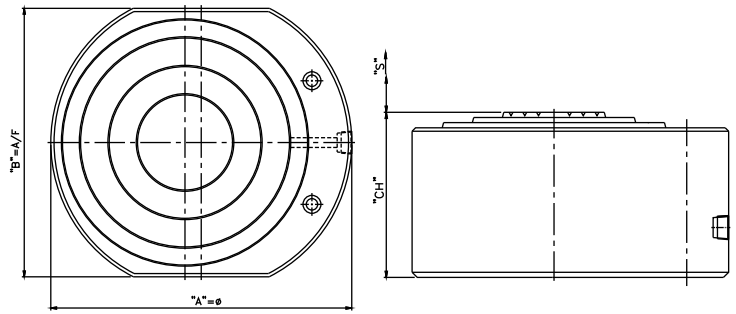
- Compact design, high strength, heat treated alloy steel body.
- Hard chrome plated ram to resist scoring and corrosion.
- Single acting spring return for smooth lowering. High pressure long life seals.
- Bottom mounting holes for bolting. Grooved ram acts as integral saddle.
- Wiper to arrest ingress of foreign particles. • Port Size 3/8" NPT.
- QCC with Plastic dust cap. Aluminum dust cap on request.

Application :

FJS & LHS jacks are designed specifically where space is a constraint. Ideally used where no other cylinders fit for lifting, lowering, spreading of structures, bridges, cranes, heavy machinery etc.

Ultra Low Height Load Return Telescopic Flat Jack (TFJ-Series)

Capacity :-5-82 Stroke:-17-40 mm Working :-700 bar (Max)



Model No.	Closed Height 'CH'	Capacity			Capacity at Final Stage	Stroke			Total Stroke	Ram Dia	Over all Dim		Total Oil Volume	Approx Wt	Suitable Hand Pump
		First Stage	Second Stage	Third Stage		First Stage	Second Stage	Third Stage			OD "A"	A/F "B"			
	mm.	tons.	tons.	tons.	tons.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	cc.	kgs.	
TFJ-5/17	45	12.5	5.0	-	5.0	11	6	-	17	25	85	62	24.1	1.6	PHP-200/2
TFJ-5/25	54	26.0	12.5	5.0	5.0	11	8	6	25	25	107	85	61.0	8.0	PHP-200/2
TFJ-12.5/19	55	26.0	12.5	-	12.5	11	8	-	19	40	107	85	56.8	7.2	PHP-200/2
TFJ-12.5/40	89	82.0	35.0	12.5	12.5	16	13	11	40	40	175	148	294.6	15.0	PHP-200/2
TFJ-26.5/28	75	57.0	26.5	-	26.5	17	11	-	28	60	145	125	334.7	8.5	PHP-200/2
TFJ-26.5/32	96	105.0	57.0	26.5	26.5	16	10	6	32	60	185	165	358.5	17.6	PHP-200/2
TFJ-35/29	90	82.0	35.0	-	35.0	16	13	-	29	70	175	152	305.3	15.0	PHP-200/2
TFJ-56/26	96	106.0	56.0	-	56.0	16	10	-	26	80	190	170	376.7	41.0	PHP-400/3
TFJ-82/27	114	158.0	82.0	-	82.0	16	11	-	27	100	220	200	610.5	68.2	PHP-400/3

Features /Benefits

- Compact and ultra low height telescopic design ,heat treated alloy steel body.
- Hard chrome plated rams to resist scoring and corrosion
- Single acting load return. High pressure long life seals.
- Top mounting holes for easy fixturing. Grooved ram acts as intergral saddle.
- 'O' Ring to arrest ingress of foreign particles. • Port size 1/4 inch or 3/8 inch NPT.
- QCC with Plastic dust cap.Aluminium dust Cap on Request.

Application :

Powerjac's new ultra low height telescopic flat jack are specially designed to work in confined space. The user get longer stroke and can save time effort and eliminate the usage of temporary support during lifting of longer stroke.
 TFJ Series available in 2 stage & 3 stage lifting max 40 mm.
 Ideally used for lifting of cranes and heavy machinery etc.

Hydraulic Telescopic Jack (PTJ-Series)

Model	Capacity	Stroke	Spread		Total Stroke	Outer Dia of Jack.
			1 st stage	2 nd stage		
	tons.	mm.	mm.	mm.	mm.	mm.
PTJ-20/350	20	350	175	175	350	135
PTJ-50/350	50	350	175	175	350	170

Features /Benefits

- Telescopic design, heat treated alloy steel body.
- Hard chrome plated rams to resist scoring and corrosion
- Single acting load return. High pressure long life seals.
- 'O' Ring to arrest ingress of foreign particles. • Port size 3/8 inch NPT.
- QCC with Plastic dust cap. Aluminium dust Cap on Request.

Application :

Telescopic jacks are specially designed where space is a constraint and higher stroke is desired.
 Ideally used for lifting of heavy machinery etc.

THE ABOVE ARE STANDARD MODELS. ■ CUSTOMISED CAPACITY & STROKE AVAILABLE ON REQUEST



Plain Ram, Spring Return Hydraulic Jack (LPS-Series)

Capacity : 10-500 tons Stroke : 50-150 mm Working : 700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
LPS-10/50	10	140	50	38	65	88	3	PHP-200/2
LPS-10/100	10	190	100	38	65	164	3.5	PHP-200/2
LPS-10/150	10	240	150	38	65	243	4.9	PHP-200/2
LPS-15/50	15	150	50	45	70	131	3.5	PHP-200/2
LPS-15/100	15	200	100	45	70	247	4.6	PHP-200/2
LPS-15/150	15	250	150	45	70	366	5.2	PHP-200/2
LPS-20/50	20	160	50	50	80	155	4.9	PHP-200/2
LPS-20/100	20	210	100	50	80	324	5.7	PHP-200/2
LPS-20/150	20	260	150	50	80	480	7.1	PHP-200/3
LPS-25/50	25	170	50	60	90	156	6.8	PHP-200/2
LPS-25/100	25	220	100	60	90	404	8.2	PHP-200/3
LPS-25/150	25	270	150	60	90	596	10.2	PHP-200/3
LPS-30/50	30	170	50	65	100	251	8.0	PHP-200/2
LPS-30/100	30	220	100	65	100	528	10.5	PHP-200/3
LPS-30/150	30	270	150	65	100	779	14.5	PHP-200/3
LPS-50/50	50	185	50	80	130	425	17.0	PHP-200/3
LPS-50/100	50	235	100	80	130	817	19.4	PHP-500/6
LPS-50/150	50	285	150	80	130	1209	22.5	PHP-500/6
LPS-75/50	75	200	50	95	155	622	23.0	PHP-500/6
LPS-75/100	75	250	100	95	155	1188	28.5	PHP-500/6
LPS-75/150	75	300	150	95	155	1753	32.5	PHP-500/6
LPS-100/50	100	215	50	120	175	830	36.0	PHP-500/6
LPS-100/100	100	265	100	120	175	1616	40.6	PHP-500/6
LPS-100/150	100	315	150	120	175	2386	47.3	PHP-500/6
LPS-150/100	150	275	100	140	226	2383	65.0	PHP-500/6
LPS-150/150	150	325	150	140	226	3518	75.0	PHP-500/6
LPS-200/100	200	290	100	160	256	3141	88.0	PHP-500/12
LPS-200/150	200	340	150	160	256	4874	100.0	PHP-500/12
LPS-250/100	250	295	100	180	286	3991	115.0	PHP-500/12
LPS-250/150	250	345	150	180	286	5892	131.0	PHP-500/12
LPS-300/100	300	310	100	200	315	4746	148.1	PHP-500/12
LPS-300/150	300	360	150	200	315	7012	167.0	PHP-500/16
LPS-400/100	400	330	100	220	355	6465	200.0	PHP-500/20*PP
LPS-400/150	400	380	150	220	355	9544	225.0	PHP-500/20*PP
LPS-500/100	500	350	100	250	405	7925	281.2	PHP-500/20*PP
LPS-500/150	500	400	150	250	405	11700	315.0	PHP-500/20*PP

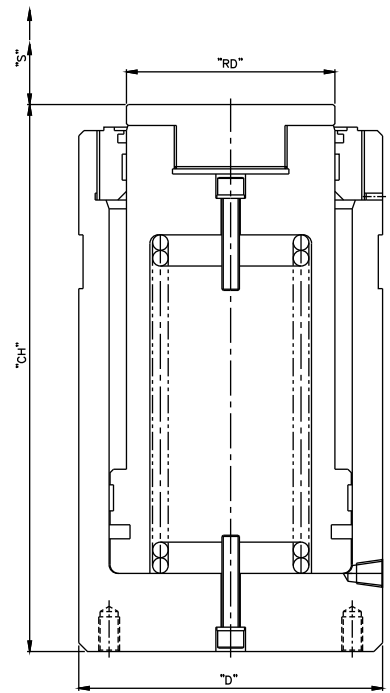
Features / Benefits :

- High strength, Heat treated alloy steel body.
- Hard chrome plated ram to resist scoring and corrosion.
- Single acting spring return for smooth lowering.
- High pressure long life seals.
- Wiper to arrest ingress of foreign particles.
- Bottom mounting holes for bolting.
- Adequate gripping by grooved saddle.
- Port Size 3/8" NPT.
- Customised capacity, strokes, Collar threading and tilting saddle available on request
- QCC with Plastic dust cap. Aluminum dust cap on request.

Application :

These jacks are an excellent choice for maintenance, positioning, bending, pressing, ideal for wide range of applications at construction site, mills, railway workshops, power plants and industrial maintenance.

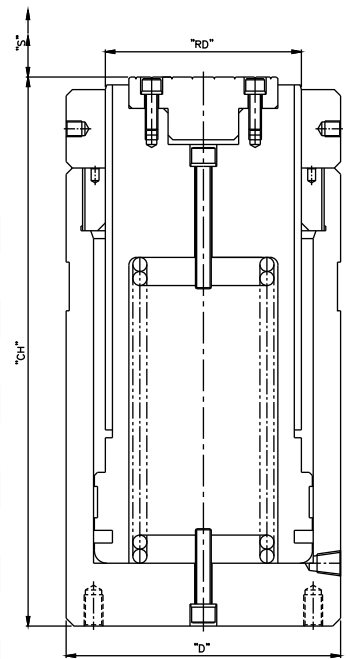
*PP-Powerpack



Threaded Ram, Spring Return Hydraulic Jack (LTS-Series)

Capacity : 10-500 tons Stroke : 50-150 mm Working : 700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
LTS-10/50	10	160	50	40	65	80	3	PHP-200/2
LTS-10/100	10	210	100	40	65	164	4.5	PHP-200/2
LTS-10/150	10	260	150	40	65	243	5.5	PHP-200/2
LTS-15/50	15	170	50	45	70	119	4.2	PHP-200/2
LTS-15/100	15	220	100	45	70	247	5.0	PHP-200/2
LTS-15/150	15	270	150	45	70	366	6.0	PHP-200/2
LTS-20/50	20	180	50	55	80	116	6.0	PHP-200/2
LTS-20/100	20	230	100	55	80	324	7.0	PHP-200/2
LTS-20/150	20	280	150	55	80	480	8.0	PHP-200/3
LTS-25/50	25	200	50	65	90	192	8.0	PHP-200/2
LTS-25/100	25	250	100	65	90	404	10.0	PHP-200/3
LTS-25/150	25	300	150	65	90	596	11.5	PHP-200/3
LTS-30/50	30	200	50	70	100	276	10.0	PHP-200/2
LTS-30/100	30	250	100	70	100	528	12.0	PHP-200/3
LTS-30/150	30	300	150	70	100	779	14.5	PHP-200/3
LTS-50/50	50	215	50	85	130	432	23.0	PHP-200/3
LTS-50/100	50	265	100	85	130	870	21.5	PHP-500/6
LTS-50/150	50	315	150	85	130	1209	25.3	PHP-500/6
LTS-75/50	75	230	50	95	156	566	26.0	PHP-500/6
LTS-75/100	75	280	100	95	156	1188	26.4	PHP-500/6
LTS-75/150	75	330	150	95	156	1753	38.0	PHP-500/6
LTS-100/50	100	250	50	120	176	770	62.0	PHP-500/6
LTS-100/100	100	300	100	120	176	1616	45.0	PHP-500/6
LTS-100/150	100	350	150	120	176	2386	55.0	PHP-500/6
LTS-150/100	150	315	100	140	226	2383	80.0	PHP-500/6
LTS-150/150	150	365	150	140	226	3518	95.0	PHP-500/6
LTS-200/100	200	330	100	160	256	3300	110.0	PHP-500/12
LTS-200/150	200	380	150	160	256	4874	125.0	PHP-500/12
LTS-250/100	250	345	100	180	286	3991	150.0	PHP-500/12
LTS-250/150	250	395	150	180	286	5892	160.0	PHP-500/12
LTS-300/100	300	360	100	200	315	4746	190.0	PHP-500/12
LTS-300/150	300	410	150	200	315	7012	204.0	PHP-500/16
LTS-400/100	400	400	100	220	355	6465	252.0	PHP-500/20*PP
LTS-400/150	400	450	150	220	355	9544	285.0	PHP-500/20*PP
LTS-500/100	500	425	100	250	405	7925	373.0	PHP-500/20*PP
LTS-500/150	500	475	150	250	405	11699	406.0	PHP-500/20*PP



*PP-Powerpack

Features / Benefits :

- High strength, Heat treated alloy steel body. • Blackodised ram.
- High pressure long life seals. • Single acting spring return for smooth lowering. Threaded ram with mechanical safety lock-nut to sustain load on lock-nut for longer period.
- Bottom mounting holes for bolting. • Port Size 3/8" NPT.
- Adequate gripping by grooved saddle. • QCC with Plastic dust cap.
- Custom strokes and tilting saddle available on request. • Aluminum dust cap on request.

Application :

These jacks are an excellent choice for maintenance, ideal for wide range of applications at construction site, mills, kiln lifting in steel, cement & process plants railway workshops, power plants, transformer lifting and industrial maintenance where lifted load is kept for longer period.

Plain Ram, Load Return, Hydraulic Jack (PLR-Series)

Capacity : 600-1000 tons Stroke : 100-150 mm Working : 700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
PLR-600/100	600	395	100	280	440	9534	380	PHP-500/16*PP
PLR-600/150	600	445	150	280	440	14073	430	PHP-500/16*PP
PLR-800/100	800	400	100	300	510	12544	540	*PP
PLR-800/150	800	450	150	300	510	18516	600	*PP
PLR-1000/100	1000	470	100	350	570	17700	800	*PP
PLR-1000/150	1000	520	150	350	570	24652	860	*PP

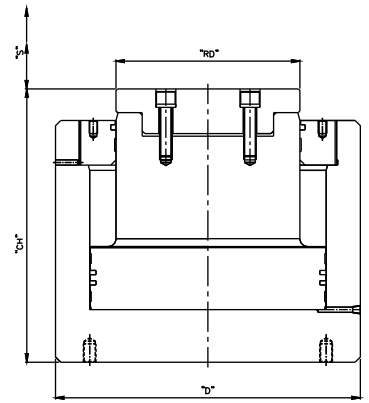
*PP-Power Pack

Features / Benefits :

- High strength, Heat treated alloy steel body.
- Hard chrome plated ram to resist scoring and corrosion.
- Single acting load return.
- High pressure long life seals. QCC with dust cap.
- Adequate gripping by grooved saddle.
- Bottom mounting holes for bolting.
- Customised higher capacity, strokes, collar threading and tilting saddle available on request.
- QCC with Plastic dust cap. Aluminum Dust Cap on Request.
- Port Size 3/8" NPT.

Application :

These jacks are ideally used for lifting of girders, pile testing for bridges and building foundation, handling of heavy duty machineries, steel fabrication and ship building etc.



Threaded Ram, Load Return Hydraulic Jack (TLR-Series)

Capacity : 600-1000 tons Stroke : 100-150 mm Working : 700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
TLR-600/100	600	460	100	280	440	9534	480	PHP-500/16*PP
TLR-600/150	600	510	150	280	440	14073	525	PHP-500/16*PP
TLR-800/100	800	490	100	300	510	12544	700	*PP
TLR-800/150	800	540	150	300	510	18516	760	*PP
TLR-1000/100	1000	555	100	350	570	17700	950	*PP
TLR-1000/150	1000	585	150	350	570	24652	1050	*PP

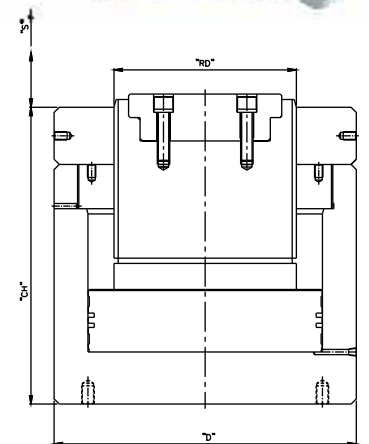
*PP-Power Pack

Features / Benefits :

- High strength, Heat treated alloy steel body.
- Blackodised ram.
- Single acting load return, Threaded ram with mechanical safety lock-nut.
- Adequate gripping by grooved saddle.
- High pressure long life seal.
- Bottom mounting holes for bolting.
- QCC with Plastic dust cap. Aluminum dust cap on Request.
- Customised higher capacity, strokes and tilting saddle available on request.
- Port Size 3/8" NPT.

Application :

These jacks are ideally used for lifting of girders, pile testing for bridges and building foundation, handling of heavy duty machineries, kiln lifting, steel fabrication, ship building where lifted load is kept for longer period.



Double Acting, Oil Return, Plain Ram, Hydraulic Jack (DAP-Series)

Capacity : 10-1000 tons Stroke : 150 mm Working : 700 bar (Max)

MODEL NO.	Cap. Fwd.	Cap. Rtn.	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Forward volume	Return volume	Approx Weight	Suitable Hand Pump
	tons.	tons.	mm.	mm.	mm.	mm.	cc.	cc.	kgs.	
DAP-10/150	10	2.2	295	150	30	75	247	137	9	PHP-200/2 DCV
DAP-15/150	15	2.8	300	150	40	85	368	174	11	PHP-200/2 DCV
DAP-20/150	20	3.8	305	150	45	95	480	235	14	PHP-200/2 DCV
DAP-25/150	25	4.7	310	150	50	95	593	290	16	PHP-400/3N DCV
DAP-30/150	30	3.9	320	150	60	105	685	247	18	PHP-400/3N DCV
DAP-50/150	50	7.0	330	150	80	130	1217	438	28	PHP-400/3N DCV
DAP-75/150	75	10.5	340	150	95	160	1742	650	43	PHP-500/6DCV
DAP-100/150	100	16.8	350	150	105	175	2386	1044	55	PHP-500/6DCV
DAP-150/150	150	28.5	360	150	120	215	3518	1765	100	PHP-500/6DCV
DAP-200/150	200	34.4	380	150	150	250	4879	2130	120	PHP-500/12DCV
DAP-250/150	250	50.8	400	150	150	285	5892	3153	170	PHP-500/12DCV*PP
DAP-300/150	300	56.3	410	150	170	310	7012	3494	200	PHP-500/12DCV*PP
DAP-400/150	400	59.0	420	150	220	360	9544	3652	290	PHP-500/20DCV*PP
DAP-500/150	500	66.0	450	150	250	400	11699	4090	425	PHP-500/20DCV*PP
DAP-600/150	600	73.0	475	150	280	440	14073	4529	490	PHP-500/24*PP
DAP-800/150	800	122.0	500	150	300	510	18516	7560	700	*PP
DAP-1000/150	1000	157.0	540	150	350	580	24652	9739	950	*PP

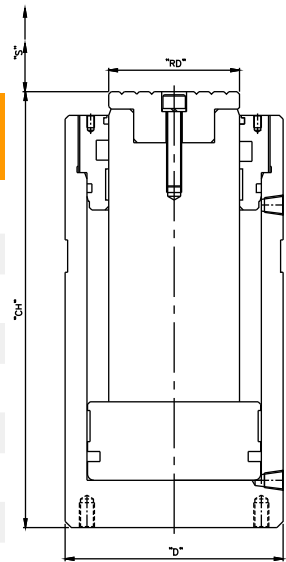
Features / Benefits :

- High strength, alloy steel body.
- Hard chrome plated ram to resist scoring and corrosion.
- Ideal for heavy duty application. • QCC with Plastic dust cap.
- High pressure long life seals. • Bottom mounting holes for bolting.
- Wiper to arrest ingress of foreign particles.
- Safety valve in return line prevents pressure intensification in annular area.
- Adequate gripping by grooved saddle. • Port Size 3/8" NPT.
- Customised capacity, strokes, collar threading and tilting saddle available on request.

Application :

These jacks are designed to provide force in any direction of the ram. These are mainly used in hydraulic testing machines, lifting, lowering, spreading, shifting of bridges, heavy machinery etc.

*PP-Power Pack



Hydraulic Cylinders

Mounting Style

A	Rectangle front flange mounting
B	Rectangle rear flange mounting
C	Side foot mounting
D	End foot mounting
E	Clevis mounting
F	Double (Female) Clevis mounting at rear end
G	Front trunnion mounting
H	Rear trunnion mounting
I	Intermediate trunnion mounting

Features / Benefits :

- Single acting, double acting
- Cylinder is honed to a surface finish of 0.4 microns
- Hard chrome plated ram to resist scoring and corrosion
- Ram wiper protects cylinder from entering dirt and foreign particles
- Operated by Hand pump / power pack
- Bore Size : 30 - 300 mm
- Rod Size : 20 - 220 mm
- Capacity : 0.5 tonne to 400 tonne
- Stroke : Upto 1500 mm based on size
- Working pressure 25 - 700 Bar
- Cushioning & hardened ram available on request

Plain Ram, Center Hole, Spring Return, Single Acting Hydraulic Jack (CHS-Series)

Capacity : 10-100 tons Stroke : 50-100 mm Working : 700 bar (Max)

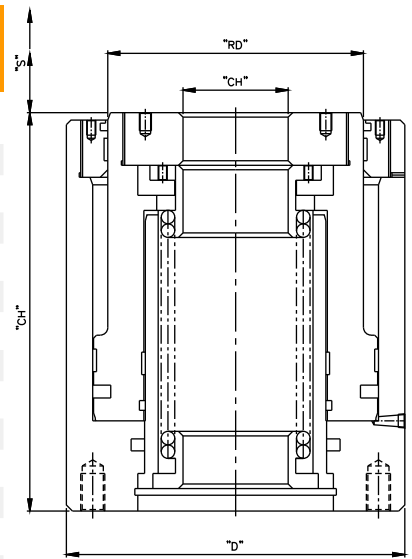
MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Center Hole Dia 'CH'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	mm.	cc.	kg	
CHS-10/50	10	140	50	21	56	85	82	4.5	PHP-200/2
CHS-10/75	10	165	75	21	56	85	120	5.5	PHP-200/2
CHS-10/100	10	190	100	21	56	85	159	6.5	PHP-200/2
CHS-20/50	20	145	50	28	70	105	181	8.2	PHP-200/2
CHS-20/75	20	170	75	28	70	105	264	9.5	PHP-200/2
CHS-20/100	20	195	100	28	70	105	346	10.0	PHP-200/2
CHS-30/50	30	150	50	34	95	135	311	11.0	PHP-400/2
CHS-30/75	30	175	75	34	95	135	452	13.0	PHP-400/2
CHS-30/100	30	200	100	34	95	135	594	15.0	PHP-400/3
CHS-50/50	50	170	50	42	110	160	380	19.0	PHP-400/3
CHS-50/75	50	195	75	42	110	160	570	21.3	PHP-400/3
CHS-50/100	50	220	100	42	110	160	760	24.0	PHP-400/3
CHS-60/50	60	200	50	54	120	175	471	26.2	PHP-400/3
CHS-60/75	60	225	75	54	120	175	706	29.2	PHP-400/3
CHS-60/100	60	250	100	54	120	175	942	31.5	PHP-400/3
CHS-80/50	80	210	50	60	150	215	615	45.0	PHP-500/6
CHS-80/75	80	235	75	60	150	215	923	51.0	PHP-500/6
CHS-80/100	80	255	100	60	150	215	1231	56.0	PHP-500/6
CHS-100/50	100	215	50	70	170	225	852	50.0	PHP-500/6
CHS-100/75	100	240	75	70	170	225	1278	54.0	PHP-500/6
CHS-100/100	100	265	100	70	170	225	1704	58.0	PHP-500/6

Features / Benefits :

- High strength, Heat treated alloy steel body. • Hard chrome plated ram to resist scoring and corrosion.
- Single acting spring return. • Wiper to arrest ingress of foreign particles. • Bigger center hole allows to run screws / cables / studs to pull or push forces. • High pressure long life seals.
- QCC with plastic dust cap. • Aluminum Dust Cap on Request.
- Bottom mounting holes for fixturing different types of puller attachments.
- Customised Higher capacity, strokes available on request. • Port Size 3/8" NPT.

Application :

These jacks are designed to attach various puller attachments for removal of gears, bearings, pulleys etc.



Plain Ram, Center Hole, Double Acting Hydraulic Jack (CHD-Series)

Capacity : 30-300 tons Stroke : 100-150 mm Working : 700 bar (Max)

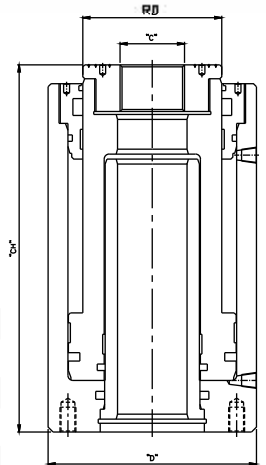
MODEL NO.	For Ton	Ret Ton	Closed Ht. 'CH'	Stroke 'S'	Center Hole Dia 'CH'	Ram Dia 'RD'	Outer Dia 'D'	Forward volume	Return volume	Approx Weight	Suitable Hand Pump
	tons.	tons.	mm.	mm.	mm.	mm.	mm.	cc.	cc.	kg	
CHD-30/100	30	6.7	270	100	34	75	120	490	278	19.0	PHP-400/3DCV
CHD-30/150	30	6.7	295	150	34	75	120	726	411	22.0	PHP-400/3DCV
CHD-50/100	50	8.2	280	100	42	95	150	786	343	28.0	PHP-500/6DCV
CHD-50/150	50	8.2	330	150	42	95	150	1162	508	31.0	PHP-500/6DCV
CHD-60/100	60	12.0	290	100	54	110	160	966	500	35.0	PHP-500/6DCV
CHD-60/150	60	12.0	305	150	54	110	160	1430	741	40.0	PHP-500/6DCV
CHD-80/100	80	15.9	310	100	60	120	190	1328	668	51.0	PHP-500/6DCV
CHD-80/150	80	15.9	360	150	60	120	190	1960	986	60.0	PHP-500/6DCV
CHD-100/100	100	18.2	320	100	70	140	205	1639	767	57.0	PHP-500/6DCV
CHD-100/150	100	18.2	370	150	70	140	205	2404	1125	70.0	PHP-500/6DCV
CHD-150/150	150	34.4	415	150	80	150	260	3413	2061	150	PHP-500/12DCV
CHD-200/150	200	54.2	435	150	90	180	300	5646	3254	165	PHP-500/12DCV
CHD-300/150	300	64.5	450	150	110	200	330	4825	2713	220	PHP-500/16DCV

Features / Benefits :

- High strength, Heat treated alloy steel body. • Hard chrome plated ram to resist scoring and corrosion.
- Double acting for push pull application. • Wiper to arrest ingress of foreign particles. • Bigger center hole allows to run screws / cables / studs to pull or push forces. • High pressure long life seals. QCC with plastic dust cap.
- Aluminum Dust Cap on Request. • Bottom mounting holes for fixturing different types of puller attachments.
- Customised Higher capacity, strokes available on request. • Port Size 3/8" NPT.

Application :

These jacks are designed to attach various puller attachments for removal of gears, bearings, pulleys etc.



Mechanical Infringing Track Jack (TJ-Series)

Model	Lifting Capacity		Closed Height from Head of jack	Closed Height from Toe	Total Lift	Lift per stroke	Base Size	Head Size	Foot Lift (Toe Size)	Weight
	On Head	On Toe								
	tons.	tons.	mm.	mm.	mm.	mm.	mm.	kgs.	kgs.	kgs.
TJ-15T	15	7.5	22	560	12	304	75 x 75	160 x 280	50	32

Features / Benefits :

- Rugged construction for safety and efficient jacking
- Alloy steel heat treated multiple pawls for strength and rigidity
- Alloy steel body with integral handle
- Forged & heat treated alloy steel rack with precision milled teeth for extra service life
- Large base for stability
- Tooth by tooth lifting and lowering. Trip lowering for quick withdrawal and winding up operation.
- Lift per one stroke is 15mm
- **Toe lift capacity is 50% of head load.**

Optional : Operating Lever - Ø 40 x 1500 mm. long

Applications :

These jacks are simplest, versatile & general purpose widely used in railway track maintenance, ship yards, oil fields, mining and construction work.



Mechanical Non Infringing Track jack (NTJ-Series)

Model	Lifting Capacity		Closed Height from Head of jack	Closed Height from Toe	Total Lift	Lift per stroke	Base Size	Head Size	Foot Lift (Toe Size)	Weight
	On Head	On Toe								
	tons.	tons.	mm.	mm.	mm.	mm.	mm.	kgs.	kgs.	kgs.
NTJ-8	8	7	245	110	155	3.1	160 x 300	40 x 30	40 x 40	20

Features / Benefits :

- Light weight construction for easy mobility.
- Jack can be instantly released with a single paddle press.
- Need not remove the jack while train is passing through the same line.
- Alloy steel heat treated gears for strength and rigidity.
- Alloy steel forged rack with precision milled teeth for smooth operation.
- Large base for stability.
- 7 tons can be lifted on foot-lift (Toe)
- 8 tons can be lifted on head.

Optional : Operating Lever - Ø 20 x 800 mm. long

Applications :

These jacks are light in weight and most portable, general purpose widely used in railway track maintenance work, ship yards, oil fields, mining and construction work.



Aluminium Plain Ram, Hydraulic Jack (APS-Series)

Capacity : 20-200 tons Stroke : 100-150 mm Working : 700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
APS-20/100	20	230	100	50	95	324	4.7	PHP-200/2
APS-20/150	20	280	150	50	95	467	5.1	PHP-200/3
APS-30/100	30	245	100	65	105	502	5.9	PHP-200/3
APS-30/150	30	295	150	65	105	754	6.4	PHP-200/3
APS-50/100	50	250	100	80	140	816	12.0	PHP-500/6
APS-50/150	50	300	150	80	140	1178	13.0	PHP-500/6
APS-100/100	100	285	100	120	195	1150	21.0	PHP-500/6
APS-100/150	100	335	150	120	195	2320	24.0	PHP-500/6
APS-150/100	150	300	100	140	235	2280	31.0	PHP-500/6
APS-150/150	150	350	150	140	235	3245	37.0	PHP-500/12*
APS-200/100	200	320	100	170	280	4765	40.0	PHP-500/12*
APS-200/150	200	370	150	170	280	4870	45.0	PHP-500/12*

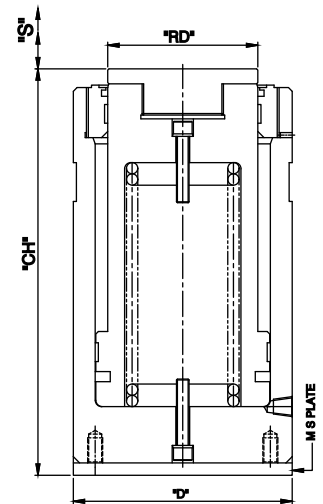
*PP-Powerpack

Features / Benefits :

- High strength, light metal Aluminium alloy body for longevity. • Bore is roller burnished for work hardened smooth surface.
- Sliding part, i.e. the ram is hard anodized for scratch resistance. • Single acting, plain ram, spring return design for self-lowering.
- Scraper / wiper to arrest ingress of foreign particles. • Replaceable hardened steel saddle to prevent denting & bulging of ram head.
- Larger steel base for stability. • Ergonomic handles to ease handling. • Bottom mounting holes meant for fixturing the steel base & not to be removed.
- Golden ring prevents overshoot of ram. Golden ring withstands full load of the jack. • Customised Higher capacity, strokes available on request.
- Quick connect couplers with plastic dust caps. Aluminium dust cap on request. • Port size 3/8th inch NPT.

Application :

For lifting loads at elevated location where weight of the jack is a concern. These jacks are for maintenance purpose only and not for production.



Aluminium Threaded Ram, Hydraulic Jack (ATS-Series)

Capacity : 20-200 tons Stroke : 100-150 mm Working : 700 bar (Max)

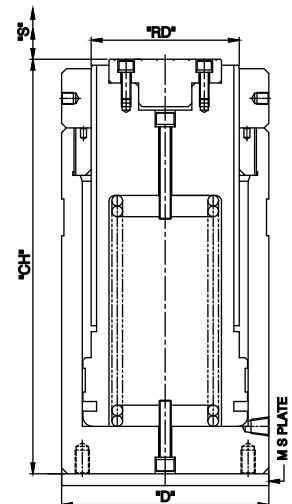
MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.	mm.	mm.	cc.	kgs.	
ATS-20/100	20	250	100	55	95	324	5.5	PHP-200/2
ATS-20/150	20	300	150	55	95	480	6.8	PHP-200/3
ATS-30/100	30	300	100	70	105	528	7.8	PHP-200/3
ATS-30/150	30	350	150	70	105	779	10.0	PHP-200/3
ATS-50/100	50	300	100	85	140	870	13.5	PHP-500/6
ATS-50/150	50	350	150	85	140	1209	16.0	PHP-500/6
ATS-100/100	100	350	100	120	195	1616	27.0	PHP-500/6
ATS-100/150	100	400	150	120	195	2386	30.0	PHP-500/6
ATS-150/100	150	380	100	140	235	2383	37.0	PHP-500/6
ATS-150/150	150	430	150	140	235	3518	43.8	PHP-500/12*
ATS-200/100	200	400	100	160	280	3300	58.0	PHP500/12*
ATS-200/150	200	450	150	160	280	4874	65.0	PHP-500/12*

*PP-Powerpack

Features / Benefits :

- High strength, light metal Aluminium alloy body for longevity. • Bore is roller burnished for work hardened smooth surface.
- Sliding part, i.e. the ram is hard anodized for scratch resistance. • Single acting, threaded ram, spring return design for self-lowering.
- Replaceable hardened steel saddle to prevent denting & bulging of ram head. • Larger steel base for stability.
- Ergonomic handles to ease handling. • Bottom mounting holes meant for fixturing the steel base & not to be removed.
- Golden ring prevents overshoot of ram. Golden ring withstands full load of the jack. • Customised Higher capacity, strokes available on request.
- Quick connect couplers with plastic dust caps. Aluminium dust cap on request. • Port size 3/8th inch NPT.

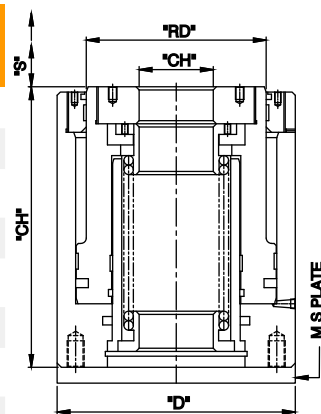
Application : For lifting loads at elevated location where weight of the jack is a concern and lifted load is kept for longer period. These jacks are for maintenance purpose only and not for production.



Aluminium Plain Ram, Center Hole, Single Acting Hydraulic Jack (AHS-Series)

Capacity : 20-100 tons Stroke : 100-150 mm Working : 700 bar (Max)

MODEL NO.	Capacity	Closed Ht. 'CH'	Stroke 'S'	C Hole Dia mm.	Ram Dia 'RD'	Outer Dia mm.	Oil volume	Approx Weight	Suitable Hand Pump
	tons.	mm.	mm.		mm.	mm.	C.C.	kg.	
AHS-20/100	20	225	100	28	70	110	346	8	PHP-200/2
AHS-20/150	20	275	150	28	70	110	428	10	PHP-200/2
AHS-30/100	30	270	100	28	95	130	520	9	PHP-200/2
AHS-30/150	30	335	150	34	95	130	780	12	PHP-200/2
AHS-50/100	50	265	100	42	110	165	805	15	PHP-500/6
AHS-50/150	50	315	150	42	110	165	1185	17	PHP-500/6
AHS-60/100	60	280	100	54	120	200	920	24	PHP-500/6
AHS-60/150	60	330	150	54	120	200	1365	28	PHP-500/6
AHS-100/100	100	350	100	70	170	250	1565	42	PHP-500/6
AHS-100/150	100	400	150	70	170	250	2345	48	PHP-500/6



Features / Benefits :

- High strength, light metal Aluminium alloy body for longevity. • Bore is roller burnished for work hardened smooth surface.
- Sliding part, i.e. the ram is hard anodized for scratch resistance. • Single acting spring return design for self-lowering.
- Scraper / wiper to arrest ingress of foreign particles. • Bigger center hole to run screws/cable/studs for pulling or pushing forces.
- Replaceable hardened steel saddle to prevent denting & bulging of ram head. • Larger steel base for stability. • Ergonomic handles to ease handling.
- Bottom mounting holes meant for fixturing the steel base & not to be removed to attach any other foreign attachments to the jack.
- Golden ring prevents overshoot of ram. Golden ring withstands full load of the jack. • Customised Higher capacity, strokes available on request.
- Quick connect couplers with plastic dust caps. Aluminium dust cap on request. • Port size 3/8th inch NPT.

Application :

To pull or push at elevated location where weight of the jack is a concern.
 These jacks are for maintenance purpose only and not for production.

Aluminium Double Acting, Plain Ram, Hydraulic Jack (ADP-Series)

Capacity : 50-150 tons Stroke : 100-150 mm. Working : 700 bar (Max)

MODEL NO.	Cap. Fwd.	Cap. Rtn.	Closed Ht. 'CH'	Stroke 'S'	Ram Dia 'RD'	Outer Dia 'D'	Forward volume	Return volume	Approx Weight	Suitable Hand Pump
	tons.	tons.	mm.	mm.	mm.	mm.	cc.		kgs.	
ADP-50/100	50	18	265	100	80	155	720	270	15	PHP-500/6 DCV
ADP-50/150	50	18	315	150	80	155	1080	420	20	PHP-500/6 DCV
ADP-100/100	100	44	325	100	100	195	1450	810	25	PHP-500/6 DCV
ADP-100/150	100	44	375	150	100	195	2150	1200	30	PHP-500/6 DCV
ADP-150/100	150	77	340	100	120	240	3100	1670	43	PHP-500/16 DCV*
ADP-150/150	150	77	390	150	120	240	3420	1990	50	PHP-500/12 DCV*

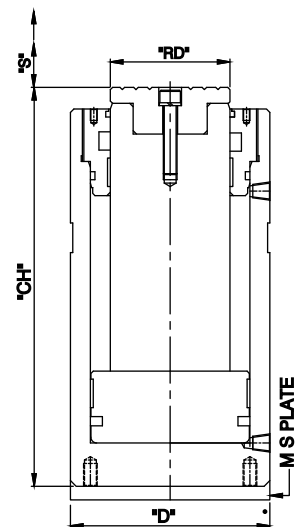
*PP-Power Pack

Features / Benefits :

- High strength, light metal Aluminium alloy body for longevity. • Bore is roller burnished for work hardened smooth surface.
- Double acting for quicker retraction to get ready for next operation. • Scraper / Wiper to arrest ingress of foreign particles.
- Safety valve to prevent pressure intensification in the annular area. • Replaceable hardened steel saddle to prevent denting & bulging of ram head. • Larger steel base for stability. • Ergonomically handles to ease handling.
- Bottom mounting holes meant for fixturing the steel base & not to be removed.
- Golden ring prevents overshoot of ram. Golden ring withstand full load of the jack. • Customised Higher capacity, strokes available on request.
- Quick connect couplers with plastic dust caps. Aluminium dust cap on request. • Port size 3/8th inch NPT.

Application :

For lifting loads at elevated location where weight of the jack is a concern.
 Force available in either direction and can be used horizontally also. These jacks are for maintenance purpose only and not for production.



Hand Pumps

Introduction :

Powerjac offers a wide range of single speed and double speed hand pumps with different flow rates and reservoirs to meet varied pumping requirements.

Single Speed Hand Pumps

MODEL	Pressure Rating Bar	Oil Displacement Per Stroke in	Usable Oil Volume	Oil Tank Capacity	Handle Effort	Dry Weight
		C.C.	Litre	Litre	Kg.	Kg.
PHP-100*	350	1.2	0.17	0.25	30	3
PHPD-120*	500	5.6	1.5	2.0	40	14
PHPD-160*	300	10.0	1.5	2.0	40	14
PHPD-200*	150	15.0	1.5	2.0	40	14
PHPD-250	100	20.0	1.5	2.0	40	14
PHP-200/2	700	2.8	1.0	1.2	40	8.5
PHP-200/2N	700	2.8	1.0	1.2	40	7.6
PHP-200/3	700	2.8	2.0	2.2	40	9.5
PHP-300/2	350	5.0	1.0	1.2	50	8.5
PHP-300/2N	350	5.0	1.0	1.2	50	7.6
PHP-300/3	350	5.0	2.0	2.2	50	9.5
PHP-1000/2	1000	2.5	1.0	1.2	50	8.5
PHP-1200/2	1200	2.0	1.0	1.2	50	8.5

Note: *Double stroke pump. Also 5 litres and 13 litres tank available in this models on request.

Double Speed Hand Pumps

MODEL	Pressure Rating Bar		Oil Displacement Per Stroke in		Usable Oil Volume	Oil Tank Capacity	Handle Effort	Dry Weight
			C.C.		Litre	Litre	Kg.	Kg.
	1 st stage	2 nd stage	1 st stage	2 nd stage				
PHP-400/2	15	700	17.0	2.5	1.0	1.2	47	9
PHP-400/	15	700	49.0	2.5	2.0	2.2	47	10
PHP-500/6	30	700	49.0	2.8	3.5	6.00	40	19
PHP-500/9	30	700	49.0	2.8	5.6	9.00	40	20
PHP-500/12**	30	700	49.0	2.8	8.1	12.00	40	21
PHP-500/12DCV	30	700	49.0	2.8	8.1	12.00	40	24
PHP-500/16	30	700	49.0	2.8	12.0	16.00	40	23
PHP-500/20	30	700	49.0	2.8	15.6	20.00	40	25
PHP-600/12	35	350	49.0	5.0	8.1	12.00	40	21

Note: **Pump with DC valve

Features / Benefits :

- Portable & light in weight • Rugged construction • Internal relief valve protects from overloading • External adjustable release valve for releasing the pressure • Provision available to attach pressure gauge • Two speed operation with automatic change-over to high pressure reduces number of strokes • Two speed hand pumps have two relief valves one for low pressure and other for high pressure • Handle lock for double speed hand pumps • Provision made for operating double acting jacks / cylinders through directional control valves • Oil reservoir available according to draw off volume • Provision available for fixing the pumping unit for non-portable applications • Lifting handles provided for easy handling • Telescopic operating lever minimise handle effort.

SINGLE SPEED HAND PUMP

These pumps are generally recommended for jacks upto 30 tons capacity and 150mm stroke. These pumps deliver constant flow.



PHP-200 & PHP-300



PHP-200/2N & PHP-300/2N

DOUBLE SPEED HAND PUMP

These pumps are generally recommended for jacks above 30 tons capacity, high lift and multiple jacking. These pumps deliver dual flow.



PHP-400/2 & PHP-400/3



PHP-500 & PHP-600 SERIES



PHP-500 DCV & PHP-600 DCV SERIES

Hydraulic Power Packs (25 to 700 Bar)

Model		Flow (Lpm)		Drive(HP)		Oil Cap (Ltr)		Optional Controls	
MTP Special Series for Machine Tool -25 Bar pressure. Gear Pump, Piston Pump / Electrical Drive 440V AC									
MTP-1		4.8		1		30		Solenoid Valve (SV) Additional Gadget Available on request	
MTP-3		12.7		3		45			
MTP-5		20		5		60			
MTP-7		30		7		120			
MTP-10		40		10		250			
VLP Series-100 Bar Pressure, Gear Pump / Electrical Drive 440V AC									
VLP-1		4.8		1		30		Solenoid Valve -(SV) Flow Control-(FC) Additional Gadget Available on request	
VLP-3		9		3		45			
VLP-5		16		5		60			
VLP-10		30		10		120			
VLP-12		40		12		250			
LPP Series-180 Bar Pressure, Gear Pump / Electrical Drive 440V AC									
LPP-3		4.8		3		30		Solenoid Valve (SV) Additional Gadget Available on request	
LPP-5		9		5		45			
LPP-10		16		10		120			
LPP-20		30		20		120			
MPP Series-300 Bar Pressure, Piston Pump / Electrical Drive 440V AC									
MPP-1		1.5		2		20		Solenoid Valve (SV) Additional Gadget Available on request	
MPP-3		2.6		3		30			
MPP-5		4.2		5		45			
HPP Series-550 Bar Pressure, Piston Pump / Electrical Drive 440V AC									
HPP-2		1		2		20		Manual Valve (MV) Solenoid Valve (SV-IMP) Additional Gadget Available on request	
HPP-5		2.6		5		30			
HPP-7.5		3.7		7.5		45			
VHP Series-700 Bar Pressure, Piston Pump / Single Discharge / Electrical Drive 440V AC									
VHP-2		1		2		20		Manual Valve (MV) Single Phase Solenoid Valve -(SV-IMP) Additional Gadget Available	
VHP-3		1.5		3		30			
VHP-5		2.6		5		50			
VHPD Series-700 Bar Pressure, Piston Pump / Double discharge/Electrical Drive 440V AC									
Model	Pressure Rating (Bar)		Flow (Lpm)		Drive	Oil Tank Capacity (Ltrs)		Optional Controls	
	1 st stage	2 st stage	1 st stage	2 st stage	(HP)			Solenoid Valve - (SV-IMP) Manual Valve - (MV)	
VHPD-2	50	700	3.5	1	2	40			
VHPD-3	50	700	4.0	1.5	3	50			
VHPD-5	50	700	5.2	1.5	5	70			
Model	Flow (Lpm)		Drive(HP)		Oil Cap (Ltr)		Weight	Optional Controls	
Petrol Engine -500 Bar Pressure, Piston Pump / Diesel Drive									
PEP-1	5.0		5.5		40		60	Manual Valve(MV)	
Diesel Engine -500 Bar Pressure, Piston Pump / Diesel Drive									
DEP-1	5.0		6.3		40.0		70	Manual Valve(MV)	

Features / Benefits :

- Various models to suit varied applications
- 100% interchangeability for optional controls
- Designed for continuous duty applications
- Custom built power packs offered on request



Puller Attachments operated with separate hand pumps

Capacity : 10-100 tons Stroke : 50-150 mm Working Pr: 700 bar (Max)

Grip Puller (GP-Series)

Capacity	Attachment Model No.	Use With Hyd. Jack.	Reach Max.	Spread Max.
10	2GP 10	CHS 10	180	250
10	3GP 10	CHS 10	180	300
20	2GP 20	CHS 20	180	325
20	3GP 20	CHS 20	180	400
30	2GP 30	CHS 30	325	500
30	3GP 30	CHS 30	325	550
50	2GP 50	CHS 50	390	700
50	3GP 50	CHS 50	390	800
100	3GP 100	CHS 100	800	1200

Bearing Puller (BP-Series)

Capacity	Attachment Model No.	Use With Hyd. Jack.	Reach Max.	Spread Min-Max.
10	BP 10	CHS 10	100	10-110
20	BP 20	CHS 20	150	15-215
30	BP 30	CHS 30	250	20-250
50	BP 50	CHS 50	400	50-400
100	BP 100A	CHS 100	625	100-500
100	BP 100B	CHS 100	795	150-850

Internal Puller (IP-Series)

Capacity	Attachment Model No.	Use With Hyd. Jack.	Reach Max	Spread Max
10	IP 10	CHS 10	100	15-100
20	IP 20	CHS 20	130	40-150
30	IP 30	CHS 30	150	65-180

Push Puller (PP-Series)

Capacity	Attachment Model No.	Use With Hyd. Jack.	Reach Max	Spread Max	Tie-rod and Threading
10	BP 10	CHS 10	150	100-250	M16 x 2P
20	BP 20	CHS 20	240	150-300	M24 x 2P
30	BP 30	CHS 30	240	175-410	M24 x 2P
50	BP 50	CHS 50	340	200-410	M38 x 3P

All dimensions are in mm

The combination of hollow ram jacks, hand pump, gauge, flexible hose, center screw with speed nut, grip pullers (2 jaws and 3 jaws), push pullers, bearing puller and internal cup puller attachments forms a master puller. The versatile sets offer unmatched application in the maintenance and repair field. To make a Master puller set, choose the capacity required in the individual attachments.

Thumb rule for Puller selection

To determine the max. force required to overcome the resistance, multiply shaft diameter in mm. by 40 and multiply the results thereof by 8 which gives you capacity of the puller to be used in kgs. For tons. divide kgs. by 1000.



Caution: During using all puller attachments, use only 50% of the jack rated capacity. Use Goggles, helmet, hand gloves while working.

Application :

These puller attachments are combined with hollow jacks and other accessories for removing gears, bearings, pullers, pulleys etc.



Hydraulic In-built Pump Puller

Capacity : 4-30 tons Stroke : 60-111 mm



SELF-CENTERING MECHANICAL EASY PULLER (2/3 ARM)

Capacity (tons)	Model no	Reach Max (mm)	Spread Max (mm)	Weight (kgs)
5	PM 105	160	270	4.3
8	PM 125	210	300	6.1
10	PM 155	250	380	9.6

HYDRAULIC PULLERS (2/3 ARM)

Capacity (tons)	Model no	Reach Max (mm)	Spread Max (mm)	Stroke (mm)	Weight (kgs)
4	PM 400*	185	255	60	4.5
6	PM 600*	220	330	70	5.5
8	PM 800*	230	350	85	6.5
12	PM 1200*	270	375	85	8.0
20	PM 2000*	360	520	111	22.0
30	PM 3000*	360	550	111	32.0

*Incl. Safety jacket



SELF-CENTERING HYDRAULIC EASY PULLERS (2/3 ARM)

Capacity (tons)	Model no	Reach Max (mm)	Spread Max (mm)	Stroke (mm)	Weight (kgs)
4	PME 400*	190	315	60	8.0
6	PME 600*	230	390	70	9.8
8	PME 800*	280	460	85	11.7
12	PME 1200*	300	515	85	14.8
20	PME 2000*	325	520	111	25.7
30	PME 3000*	415	620	111	36.0

*Incl. Safety jacket

CROSS BEARING PULLER

Capacity (tons)	Model no	Set excluding Hyd. Pump	Reach Max (mm)	Spread Min/Max Dia (mm)	Weight (kgs)
4	PM 410**	P412	250	55-110	6.5-8.5*
6	PM 610**	P612	270	95-180	8.5-10.5*
8	PM 810**	P812	270	95-220	9.5-12.5*
12	PM 1210**	P1212	380	225-290	13.0-18.0*

**Cross bearing Puller with inbuilt Pump

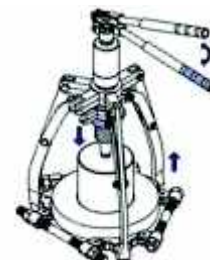


HYDRAULIC PULLERS WITH SEPARATE PUMP (2/3 ARM)

Capacity (tons)	Model no	Reach Max (mm)	Spread Max Dia (mm)	Stroke (mm)	Weight (kgs)
12	PR 1200	270	375	85	14.0
20	PR 2000	360	520	111	20.0
30	PR 3000	360	550	111	30.0

TRI-SECTION PLATES

Capacity (tons)	Model no	Available Shift Dia		Spread Max Dia (mm)	Weight (kgs)
		Min (mm)	Max mm)		
6	ET3-160	26	160	215	3.5
8	ET3-210	50	210	280	5.5
20	ET3-340	90	340	460	18.0
30	ET3-495	140	495	660	45.0



Hydraulic Toe Jack / Machine Lift (HTJ-Series)

MODEL	Capacity	Toe Clearance	Stroke	Toe Height at Max. Position	Total Body Max. Height	Approx weight
	tons.	mm.	mm.	mm.	mm.	mm.
HTJ 5	5	20	150	320	320	25
HTJ 10	10	25	150	355	350	40
HTJ 20	20	40	150	385	380	65

Features / Benefits :

- High strength, Heat treated alloy steel body for better life. • Hard chrome plated ram to resist corrosion.
- Single acting load return. • High pressure long life seals. QCC with dust cap.
- Adequate gripping by grooved saddle. Precise machined body for smooth operation.
- Wiper to arrest ingress of foreign particles. •
- Easy adjustable toe fixing positions for different heights and strokes.
- High pressure long life seal. QCC with Plastic dust cap. Aluminum Dust Cap on Request.
- Advantage to use single or multiple jack with common hand pump.
- Adjustable legs for extra grip. Castor wheels for easy mobility in new version.
- Port Size 3/8" Inch NPT.

Application :

These jacks are used for lifting of heavy machineries, transformers, structural equipment etc.



Hydraulic Crimping Tool (HCT-Series)

MODEL	Capacity (mm ²)	Die Sizes (mm ²)	Die suitable for	Suitable Hand Pump
HCT-185	10-185	10,16,25,35,50,70,95,120,150 & 185	0.1(AL)	PHP 500/2
HCT-400	10-400	10,16,25,35,50,70,95,120,150, 185,240,300 & 400	0.2(AL)	PHP 500/6
HCT-630	10-630	10,16,25,35,50,70,95,120,150, 185,240,300,400,500 & 630	0.2(AL)	PHP 500/6
HCT-1000	10-1000	10,16,25,35,50,70,95,120,150, 185,240,300,400,500,630,800 & 1000	0.5(AL)& (ST)	PHP 500/12 or 2hp Power pack

Model No. HCT-185,400 & 630 are suitable for AAAC (all aluminium Alloy Conductor)

Model No. HCT-1000 is suitable for ACSR (aluminium Conductor steel reinforce)

Note AL is Aluminium, ST is Steel.

Features / Benefits :

- Light weight, compact, easy to use • Single acting spring return for fast retraction. • High pressure long life seal.
- Replaceable die sets of various sizes. • Useful in electrical substations for crimping overhead-clamps / high tension line & connectors of aluminium & steel at elevated locations upto 35 meters above ground level.
- Crimping patterns is hexagonal.



Hydraulic Bolt Tensioner (BTH-Series)

Capacity : 12-377 tons Stroke : 10-16mm Working : 1000-1500 bar (Max)

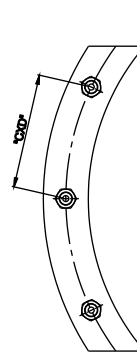
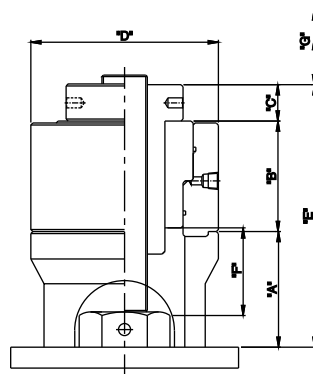
MODEL	Bolt Metric	Capacity 1000 Bar	Stroke 'S'	Effective Area	A	B	C	D	E	F	G	CD	Model	Capacity 1500 Bar	D	CD
		tons.	mm.	mm ²	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.		tons.	mm.	mm.
BTH-24-10	M24	12	10	12	44	70	16	88	130	30	100	100	BTV-24-10	18	100	110
BTH-30-12	M30	14	12	14	53	73	24	108	150	35	105	120	BTV-30-12	21	120	130
BTH-36-16	M36	20	16	19	55	75	25	120	155	40	110	130	BTV-36-16	29	130	140
BTH-42-16	M42	38	16	38	68	75	27	135	170	45	110	145	BTV-42-16	57	145	155
BTH-48-16	M48	60	16	59	75	75	30	152	180	55	115	165	BTV-48-16	89	160	170
BTH-52-16	M52	76	16	75	78	77	34	170	189	60	120	180	BTV-52-16	114	180	190
BTH-56-16	M56	97	16	97	80	85	38	190	203	65	135	200	BTV-56-16	146	200	210
BTH-64-16	M64	118	16	118	90	90	40	210	220	70	140	220	BTV-64-16	177	220	230
BTH-72-16	M72	137	16	136	90	95	45	225	230	80	140	235	BTV-72-16	205	235	245
BTH-76-16	M76	171	16	171	100	105	50	240	255	85	150	250	BTV-76-16	257	250	260
BTH-80-16	M80	193	16	192	100	105	50	250	255	90	150	260	BTV-80-16	288	260	270
BTH-90-16	M90	204	16	203	100	105	50	260	255	100	150	270	BTV-90-16	305	270	280
BTH-100-16	M100	252	16	251	100	120	55	285	275	110	170	295	BTV-100-16	377	300	310

Features / Benefits :

- Single acting, Light weight, compact, easy to use.
- Cylinder honed to a surface finish of 0.4 microns.
- Noiseless operation.
- Customised bolt tensioner on request.
- Used in petrochemicals, marine, steel plant, constructions, Hydro projects, Nuclear Plants & Cement Plants.

Application :

These are used for tensioning of bolts / studs in various fields.



Hydraulic Nut Splitter (PHNS-Series)

MODEL NO. PHNS	5	11	16	22	32	50	90	150	200
Max. Capacity (Tons)	5	11	16	22	32	50	90	150	200
Max. Stroke (MM)	18	18	20	25	30	30	35	55	55
Min. Nut across flat (MM)	13	19	24	32	41	50	60	75	110
Max. Nut across flat (MM)	19	24	32	41	50	60	75	105	130
Min. Nut Size (Metric) M	8	12	16	22	27	33	39	45	76
Max. Nut Size (Metric) M	12	16	22	27	33	39	48	72	90

Features / Benefits :

- Single acting, Light weight, compact, easy to use.
- Cylinder honed to a surface finish of 0.4 microns.
- Noiseless operation. • Replaceable chisel.
- Used in petrochemicals, marine, steel plant, constructions, Railways, Hydro projects, Nuclear Plants & Cement Plants.
- QCC with Plastic dust cap. Alluminium dust cap on Request.

Application :

These are used to split open or cut the corroded and jammed nuts.



Manual Torque Wrench

Click Type

Model No.		Torque Range			Square Drive	Overall Length	Approx Weight
NON-RATCHING	RATCHING	nm.	kgf.m.	ft.lb.	inches	mm.	kgs.
MTC-10	MTCR-10	2.5-11	0.3-1.1	2-8	3/8	320/360	0.65
MTC-35	MTCR-35	5-35	0.5-3.5	4-25	3/8	430/465	0.85
MTC-50	MTCR-50	12-68	1.2-7	10-50	1/2	485/530	1.5
MTC-100	MTCR-100	25-135	3-14	20-100	1/2	545/595	2.0
MTC-160	MTCR-160	50-225	5-23	40-160	1/2	610/660	3.0
MTC-250	MTCR-250	70-330	7-35	50-250	1/2	835/890	4.0
MTC-400	MTCR-400	140-560	14-57	100-410	3/4	1120/1195	7.0
MTC-500	MTCR-500	135-780	14-78	100-500	3/4	1110/1195	7.0
MTC-750	MTCR-750	475-1050	49-105	350-750	3/4	1390/1480	15.0
MTC-1000	MTCR-1000	540-1380	55-140	400-1000	1	1305/1340	18.0
MTC-1400	MTCR-1400	1000-1900	105-195	750-1400	1	1305/1340	18.0
MTC-2000	MTCR-2000	1350-2700	135-275	1000-2000	1	1450/1530	23.5

Torque accuracy + / - 3%

Adjustable micrometer type

Model	Range	Model	Range	Square drive	L	Approx Weight
no.	nm.	no.	ft.lb.	inch	mm.	Kgs.
MTA-30N	6-30	MTA-20F	4-20	1/4" or 3/8"	350	0.74
MTA-80N	15-80	MTA-60F	10-60	3/8"	383	0.74
MTA-210N	40-210	MTA-150F	30-150	1/2"	535	1.70
MTA-330N	70-350	MTA-250F	50-250	1/2"	645	2.54
MTA-500N	100-500	MTA-300F	50-300	3/4"	865	3.66
MTA-700N	140-700	MTA-600F	100-600	3/4"	1092	5.94
MTA-980N	140-980	MTA-700F	10-700	3/4 or 1"	1230	6.46
MTA-1500N	300-1500	MTA-1000F	200-1000	1"	1700	11.58

Torque accuracy + / - 3%

Torque Multipliers

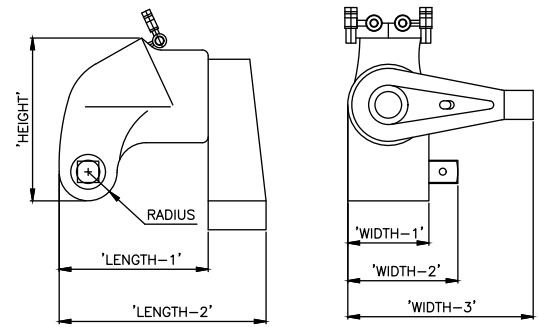
Hand Torque Model No.	Maximum Output Torque			Est.bolt Capacity (S. Quality)		Multiplication Factor	Female Input Square	Male Output Square	Major Dia	Depth	Recommend Torque Wrench	Approx Weight With Reaction Plate
	ft.lb.	nm.	kgf.m.	in.	mm.			inch	inch	mm.	mm.	no.(kgs)
PTM-1	1250	1700	170	1.1/8	27	5:1	1/ 2	3/4	115	87	MTCR-250	4.5
PTM-2	1250	1700	170	1.1/8	27	5:1	3/4	1	115	90	MTCR-250	5.0
PTM-2/2.5	1250	1700	170	1.1/8	27	25:1	1/2	1	115	120	MTCR-50	7.0
PTM-5	2000	2700	275	1.3/8	36	5:1	3/4	1	136	91	MTCR-400	11.0
PTM-5/25	2000	2700	275	1.3/8	36	25:1	1/2	1	136	120	MTCR-100	11.0
PTM-6	2500	3400	345	1.1/2	38	5:1	3/4	1.1/2	136	91	MTCR-750	8.5
PTM-6/25	2500	3400	345	1.1/2	38	25:1	1/2	1.1/2	136	120	MTCR-100	11.5
PTM-7	4500	6000	622	1.7/8	48	5:1	3/4	1.1/2	168	115	MTCR-1000	15.5
PTM-7/25	4500	6000	622	1.7/8	48	25:1	1/2	1.1/2	168	190	MTCR-250	19.5
PTM-9/25	7000	9500	965	2.1/4	56	25:1	3/4	2.1/2	220	225	MTCR-400	27.0
PTM-11/25	11060	15000	1500	3.3/4	68	25:1	3/4	2.1/2	220	280	MTCR-500	45.0

Application : Widely used in Engineering industries, Marine, Petrochemicals, Railways, Chemicals, Steel Plants, Power Plants, Pulp and Paper Mills.



Hydraulic Torque Wrench

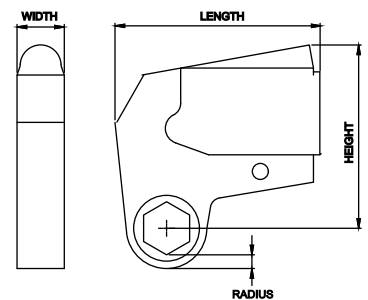
Square drive series



Model Nos	Units	HTS-2	HTS-5	HTS-8	HTS-10	HTS-15	HTS-25	HTS-35	HTS-80
Square Drive	inch	3/4"	1"	1.1/2"	1.1/2"	1.1/2"	2.1/2"	2.1/2"	2.1/2"
Torque Range	Nm	172-1722	447-4514	745-7457	1003-10031	1491-14925	2630-27964	3687-36872	7862-78625
	ft.lbs.	127-1270	330-3330	550-5500	740-7400	1100-11010	1940-20625	2720-27200	5800-58000
Length 1	mm.	122.4	162.5	200.9	224.5	248.6	239.7	312.9	390.7
Length 2	mm.	161.0	214.1	270.7	294.1	324.8	408.9	414.8	518.2
Nose Radius	mm.	24.9	33.2	39.8	44.9	51.5	58.7	62.5	78.7
Width 1	mm.	50.8	66.8	79.2	91.7	100.3	123.6	133.6	167.1
Width 2	mm.	70.9	93.5	117.8	128.5	137.9	181.7	192.3	225.8
Width 3	mm.	112.3	147.6	177.8	202.7	221.5	276.4	295.4	363.0
Weight	kgs.	1.7	4.1	7.7	8.6	13.1	27.6	31.7	59.8

Low profile Hydraulic Torque Wrench

Hex. Drive Series



Model Nos	Units	HTX-1	HTX-2	HTX-4	HTX-8	HTX-16	HTX-32	HTX-45
	Nm	61-759	260-2614	535-5355	1125-11699	2115-22503	4365-48327	6575-64239
Torque Range	ft.lbs.	45-560	192-1928	395-3950	830-8630	1560-16600	3220-35650	4850-47380
Length	mm.	111.0	163.8	199.9	258.6	328.4	401.3	425.5
Nose Radius	mm.	5.8	9.1	11.7	13.7	16.5	23.6	23.6
Width	mm.	19.8	31.8	41.4	52.1	63.5	82.3	124.0
Height	mm.	82.6	101.6	142.2	177.8	192.5	241.3	261.1
Cylinder Weight	Kgs.	0.45	1.58	2.70	5.00	7.30	11.50	13.00
Link Weight	Kgs.	0.45-0.48	1.0-1.5	2.4-3.4	5.5-6.5	9.5-13.0	13.0-17.9	13.0-17.9

Torque accuracy + / - 4%

Application : Widely used in Engineering industries, Marine, Petrochemicals, Railways, Chemicals, Steel Plants, Power Plants, Hydro Projects, Pulp and Paper Mills.



Power Pack

- Light weight portable. • Two stage Hydraulic Pump. • Single / Three phase option.
- 24V DC pendent control. • Configuration of two and four ports.
- Inbuilt heat exchanger. • Tank Capacity 8-12 ltrs
- Flow Rate 9.7lpm @ 100bar.
0.97lpm @ 700bar

Optional accessories :

- Digital pressure gauge on request. • 4/8 ports for connecting 2/4 torque wrenches on request.

Hydraulic Wedge Spreader (HWS-Series)



BEFORE OPENING



AFTER OPENING



CARRYING CASE



Model	Capacity	Jaws Closed	Jaws Open	Weight	Suitable Hand Pump
	tons.	mm.	mm.	kgs.	
HWS-8	8	6	80	7	PHP-200/2*
HWS-14	14	6	80	8	PHP-200/2*

Features / Benefits :

- Light weight, compact, easy to use.
- Single acting spring return.
- Cylinder honed to a surface finish of 0.4 microns.
- Wedge spreaders avoid chisels, hammers, chain pulley block slings etc.
- Noiseless operation.
- Stepped blocks are provided to increase wedge opening up to 80 mm.
- 6 mm access is enough for insertion.
- Stepped arm capable of full load on each step.
- Tandem operation for even spreading

⚠ Remove all nuts before operation.

Hydraulic Flange Spreader (HFS-Series)



Model	Capacity	Stroke	Spread		Weight	Suitable Hand Pump
			Min.	Max.		
	tons.	mm.	mm.	mm.	kgs.	
HFS-5	5	40	59	163	5.0	PHP-200/2
HFS-10	10	50	61	224	8.5	PHP-200/2
HFS-15	15	55	65	230	10.0	PHP-200/2

Features / Benefits :

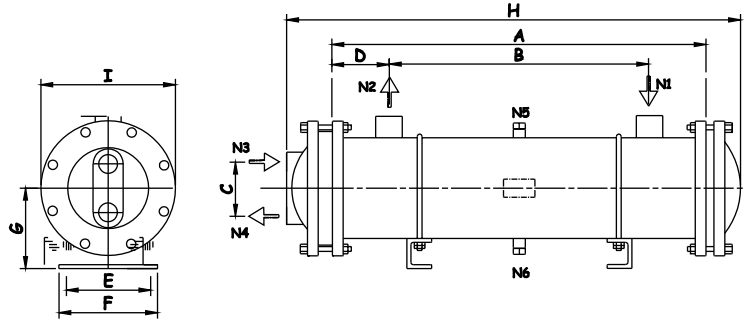
- Light weight, compact, easy to use.
- Single acting spring return.
- Cylinder honed to a surface finish of 0.4 microns.
- Hard chrome plated ram to resist scoring and corrosion.
- Wiper to arrest ingress of foreign particles.
- Adjustable jaw for adaptability.
- Wedge for limited spread application which are optional.
- QCC with plastic dust cap. Aluminium dust cap on request.
- Tandem operation for even spreading

⚠ Remove all nuts before operation.

Application : Spreading of pipe flanges in petrochemicals, sugar, cement, chemical, steel mills, power plants and process industries.



Shell & Tube Water Oil Cooler



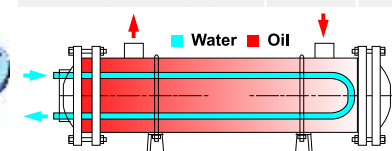
Model	HP	KW	Kcal/Hr	LPM	Size Inch	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	N1 inch	N2 inch	N3 inch	N4 inch	N5/N6 inch
POC 2	2	1.5	1400	15	4X18	432	290	58	71	114	150	120	525	180	3/4"BSP	3/4"BSP	1"BSP	1"BSP	1/4"BSP
POC 3	3	2.0	2200	20	4X20	483	335	58	74	114	150	120	576	180	3/4"BSP	3/4"BSP	1"BSP	1"BSP	1/4"BSP
POC 5	5	3.0	3000	30	4X24	584	434	58	75	114	150	120	677	180	3/4"BSP	3/4"BSP	1"BSP	1"BSP	1/4"BSP
POC 7.5	7.5	5.0	4750	50	4X30	737	587	58	75	114	150	120	830	180	3/4"BSP	3/4"BSP	1"BSP	1"BSP	1/4"BSP
POC 10	10	7.0	6000	60	5X24	584	434	65	75	141	180	132	687	202	1"BSP	1"BSP	1 1/4"BSP	1 1/4"BSP	1/4"BSP
POC 15	15	10	9500	80	5X30	737	587	65	75	141	180	132	840	202	1"BSP	1"BSP	1 1/4"BSP	1 1/4"BSP	1/4"BSP
POC 20	20	14	13000	125	6X24	584	415	90	85	165	210	148	685	228	1.5"NB	1.5"NB	1.5"BSP	1.5"BSP	1/4"BSP
POC 25	25	18	17500	150	6X30	737	567	90	85	165	210	148	838	228	1.5"NB	1.5"NB	1.5"BSP	1.5"BSP	1/4"BSP
POC 30	30	22	23500	200	8X24	584	414	115	85	220	275	170	713	282	1.5"NB	1.5"NB	2"BSP	2"BSP	3/8"BSP
POC 40	40	28	31000	250	8X24	584	414	115	85	220	275	170	713	282	1.5"NB	1.5"NB	2"BSP	2"BSP	3/8"BSP
POC 50	50	36	34000	300	8X30	737	567	115	85	220	275	170	866	282	1.5"NB	1.5"NB	2"BSP	2"BSP	3/8"BSP
POC 60	60	44	37500	350	8X36	889	669	115	110	220	275	170	1018	282	2"NB	2"NB	2.5"BSP	2.5"BSP	3/8"BSP
POC 70	70	52	43750	400	8X42	1042	792	115	125	220	275	170	1171	282	2.5"NB	2.5"NB	2.5"BSP	2.5"BSP	3/8"BSP
POC 80	80	58	58000	450	8X48	1194	944	115	125	220	275	170	1323	282	2.5"NB	2.5"NB	2.5"BSP	2.5"BSP	3/8"BSP

Part Name	Material	Construction
SHELL	Carbon steel (Stainless steel Shell on request)	Steel Tube to accommodate the tube bundle
END COVER	Cast Iron (Mild steel on request)	The End Covers are of bolted for removal of tube bundle from shell side for ease of replacement
BAFFLES	Carbon steel (Mild steel, Brass & Stainless steel on request)	Machine drilled and reamed accurately to maximize thermal efficiency
TUBES	Copper (Brass, Stainless steel & Copper Nickel on request)	SB - 111 C - 12200
TUBE SHEET	Mild Steel (Brass & Stainless steel on request)	Tube Sheet plate is machined, drilled and reamed accurately to accommodate the tubes precisely
SEAL/'O' RING	Neoprene	To ensure high tightness and restrict any fluid contamination, easily replaceable
DRAIN PLUG	Mild Steel	Accurately machined and threaded

Part No.	Name
1	Shell
2	End Cover
3	Baffles
4	Tubes
5	Tube Sheet
6	Seal / 'O' Ring
7	Mounting Feet
8	Front Cover



Description	Shell Side	Tube Side
Fluid Circulated	Oil	Water
No. of passes	One	Two
Design temperature °C	100	50
Design pressure Kg/Sq cm	10	5
Hydro test pressure Kg/Sq m	15	7.5

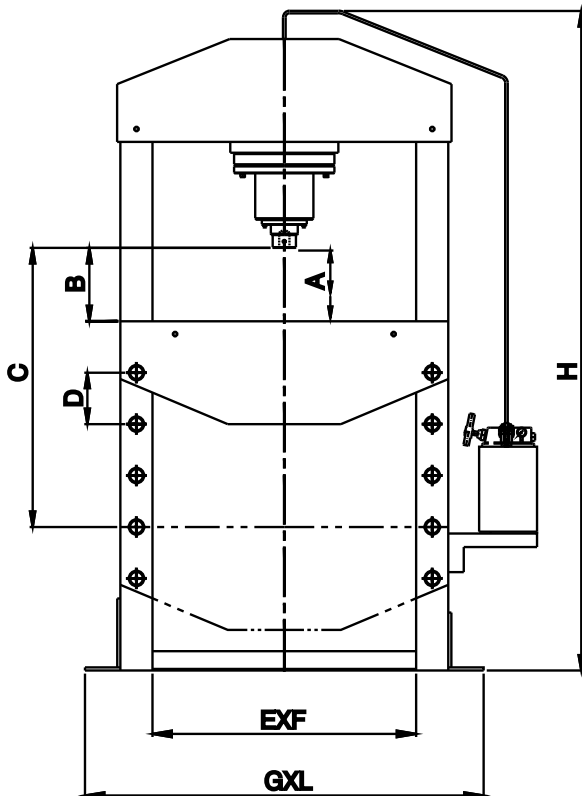


Hydraulic Workshop Type Press (WTH-Series)

Model	Capacity	Stroke 'A'	Min Daylight 'B'	Max Daylight 'C'	Daylight Setting 'D'	Width between Column 'E'	Depth between Column 'F'	Overall size G x H x L	Weight approx.
	tons.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kgs.
WTH-10	10	150	200	650	150	600	150	1000 X 1500 X 500	180
WTH-15	15	150	200	650	150	600	150	1000 X 1500 X 500	200
WTH-20	20	150	200	650	150	800	150	1200 X 1700 X 600	250
WTH-25	25	150	200	650	150	800	150	1200 X 1700 X 700	360
WTH-40	40	150	200	800	150	915	200	1500 X 1900 X 600	500
WTH-50	50	150	200	800	150	915	200	1500 X 1900 X 700	550
WTH-75	75	150	250	1050	200	915	250	1600 X 2100 X 700	600
WTH-100	100	150	250	1050	200	1015	300	1700 X 2300 X 800	900
WTH-150	150	150	250	1050	350	1015	350	1800 X 2400 X 1000	1200
WTH-200	200	150	250	1050	350	1015	400	1850 X 2400 X 1000	1500

Features / Benefits :

- Single acting spring return / Double acting oil return
- Cylinder honed to a surface finish 0.4 microns.
- Hard chrome plated ram to resist scoring and corrosion.
- Wiper to arrest ingress of foreign particles.
- Working pressure 450-700 Bar. • Operated by hand Pump / Power pack
- Mechanical winch and 'V' blocks shall be provided upto 100 T capacity presses only.

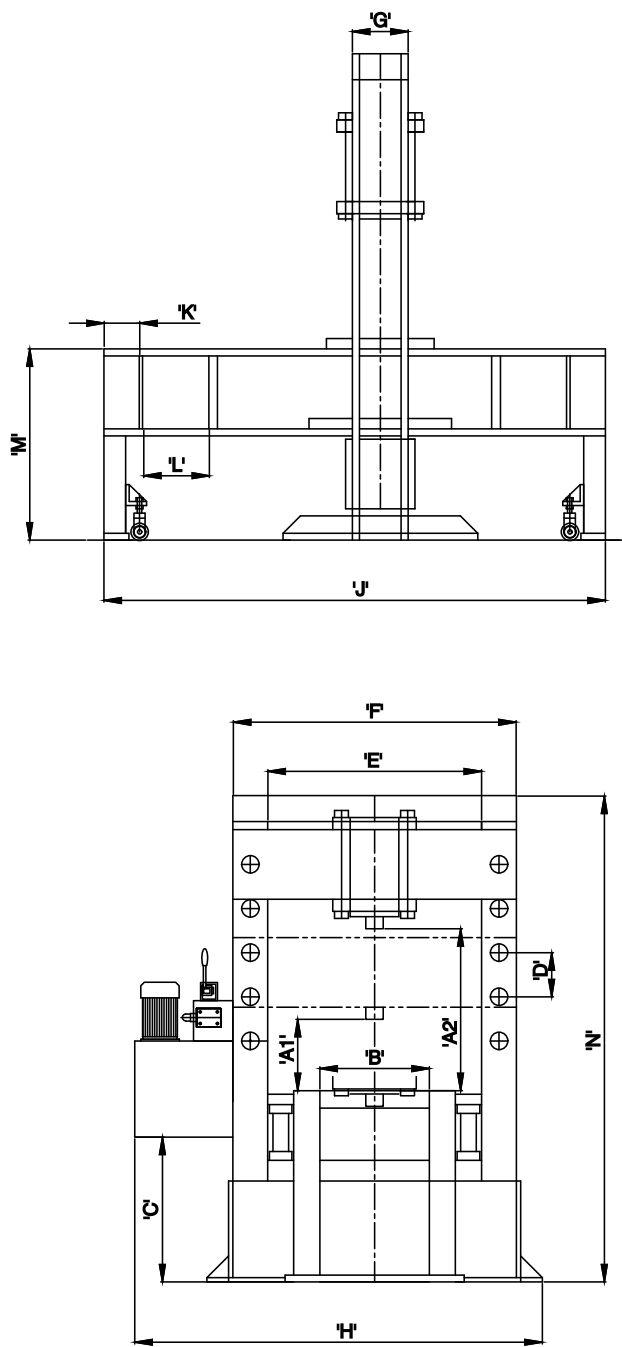


Roll Table Frame Press

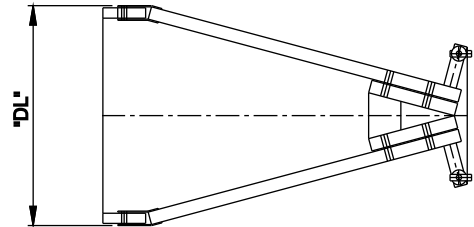
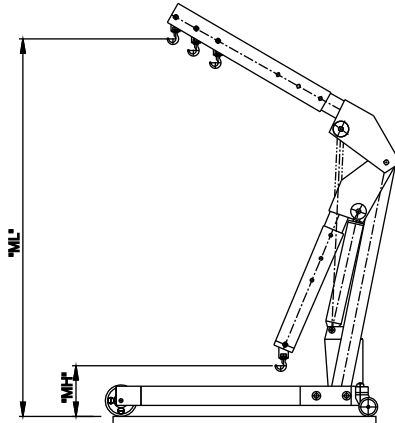
Model No.	Capacity	Stroke	Vertical Daylight		Table Width	Pump Height From GL	Distance Between Hole	Distance Between Column	Width	Depth	Overall Width	Overall Depth	Distance	Distance	Working Height From GL	Overall Height	Electrical Motor Capacity	Weight Approx
	tons.	mm.	A1 min mm.	A2 max mm.	B mm.	C mm.	D mm.	E mm.	F mm.	G mm.	H mm.	J mm.	K mm.	L mm.	M mm.	N mm.	hp.	kgs.
WRF-50	50	330	150	940	520	300	200	730	950	125	1500	1600	200	270	750	2800	3	1100
WRF-100	100	330	160	1048	675	300	222	890	1150	180	1600	1675	205	270	815	3020	3	1750
WRF-200	200	330	280	1295	985	300	255	1220	1625	230	2200	2200	205	380	915	3200	5	4200

Features / Benefits :

- Table rolls smoothly on 4 bottom wheel over fabricated rail.
- Table is lifted precisely by exclusive table lifting cylinder and pump.
- Considering safety, frame is stationary and table rolls.
- Double acting cylinder.
- Lateral movement of cylinder for covering max. distance.
- Vertical movement of (Moving) Bolster Table allows maximum accommodation of job height.
- Hard chrome plated ram to resist scoring and corrosion.
- Wiper to arrest ingress of foreign particles.
- Working pressure 450-700 Bar.
- Operated by Power pack
- Effortless daylight adjustment hydraulically by main cylinder.



Foldable Hydraulic Mobile Floor Crane (PMC-Series)



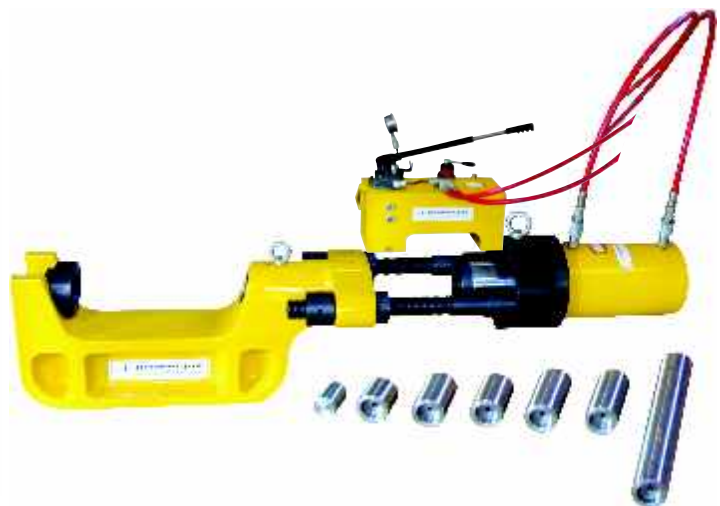
Model	Capacity	Stroke	Max. Lift 'ML'	Max. Dist betw. Legs 'DL'	Weight (appx)
	tons.	mm.	mm.	mm.	kgs.
PMC-1	1	2350	300	1025	95
PMC-2	2	2500	300	1150	125
PMC-3	3	2600	300	1150	135

Features / Benefits :

- Heavy duty, rugged construction.
- Foldable legs for portability.
- Horizontal boom adjustable and lockable.
- Single acting, load return, hand pump operated.
- Cylinder honed to a surface finish of 0.4 microns.
- Hard chrome plated ram to resist scoring and corrosion.
- Front wheels are fixed and rear wheels are 360° movable for easy mobility.

⚠ Crane is designed to lift the load and not to move lifted load.

Track Link Pin Press (PTP-Series)



Model	Capacity	Stroke	Throat of 'C' Frame	Height of 'C' Frame	Daylight of 'C' Frame	Total weight approx
	tons.	mm.	mm.	mm.	mm.	kgs.
PTP 50	50	100	90	300	350	100
PTP 100	100	125	90	320	400	200
PTP 150	150	300	90	330	400	300

Features / Benefits :

- Portable for onsite and shop floor application.
- Small crane / Hydra is required for handling during operation.
- No more strenuous sledge hammering for removal and insertion of master pin.
- No gas cutting for removal of master pin.
- Noise less operation.
- QCC with plastic dust cap. Aluminium dust cap on request.

Application :

To remove & install master pins, track pins & master bushes, of all types of excavators / Dozers

Custom Built Hydraulic Presses



Closed Frame Hyd. Press



'C' Frame / Open Throat Hyd. Press



Four Pillar Hyd. Press



Crown Pinion Gear Puller Press



Hydraulic Core Press

Hydraulic Accessories



MANIFOLD BLOCKS



HYDRAULIC OIL - 68 GRADE



PRESSURE GAUGES



HYDRAULIC SEALS



HOSE PIPES

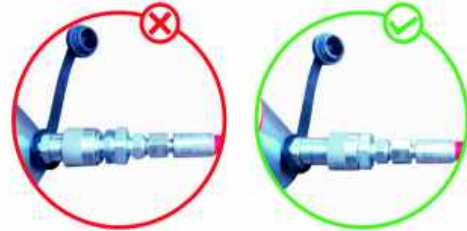


HYDRAULIC FITTINGS & QUICK CHANGE COUPLERS

Safety Instructions



Use funnel during pouring oil in the pump.
Fill oil only when the connected jack is in fully retracted condition.



Engage the Male & Female side QCC fully / firmly. Don't over tighten QCC. This may distort the threads of QCC and you may experience working problem of the jack. Use dust caps when QCC are disconnected.



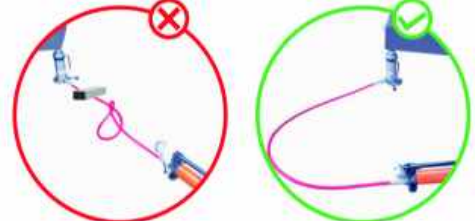
Use rigid / firm base while lifting.
Center the jack saddle to the CG of the lifting load, this may avoid load slippage & loose lifting.



Do not carry jacks & pumps by their hoses. This will damage the end connections which may cause system failure / accident.



Decide the load lifting point on all the jacks so that load will be equally distributed and experience even lifting.



Do not drop any objects on the hose. This will damage the hose and would be a cause for accident. Avoid sharp bends during operation



Clean the QCC before engaging the male & female side QCC
Don't disconnect the QCC when the jack is under load.
This may cause severe injury / death.
Always disconnect the QCC when jack is under the retract position.



During raising use blocks under the load for safety. As you lift load higher insert more blocks. Lift the load slowly and check oftenly.
Please avoid standing in the line of force. Anticipate problem during lifting and take steps accordingly to the situations.



Don't treat jacks as permanent supports. Jacks are designed to lift and lower load. Ensure solid support / crib / our locknut jacks while working under load.



Do not weld / Gas cut without sufficient covering of the jack.
Due to heat exposition seals & hoses may be damaged & oil in the hose may ignite & cause accident

Safety Tips :

- To avoid injury or death read, understand all the warning labels, instructions & safety information in the manual.
- Understand operation before using the equipment / tools.
- Never ever remove the labels from the equipment.
- Always wear helmet, safety goggles & protecting clothing when using hydraulic equipment.
- Common sense is of utmost importance.
- Hand tighten quick couplers completely before operating the hydraulic systems. Do not use spanners to tighten coupler.
- A damaged or improperly assembled tool/equipment/system can break & strike nearby personnel with sufficient force to cause severe injury or death.



SAFETY AND SECURITY

e.g. Use 100 tons. jack for lifting 80 tons. capacity.
When the available stroke is 150mm. lift only 120mm.

OUR ESTEEMED CUSTOMERS



POWERJAC Systems Pvt. Ltd.

Regd. Off./Factory : Plot B-25, Survey No.329, off Majgaon Cross, Khanapur Road, Udyambag, Belagavi-590 008. Karnataka. INDIA.

Phone : +91-831-2445565 / 2442565

E-mail : response@powerjac.com / sales@powerjac.com

Nearest Distributor :

The user/buyer should satisfy himself for the adequacy of the product chosen for his application. The products are continuously upgraded hence, specifications are subject to change without prior intimation. All orders are subject to final acceptance by POWERJAC. Pictures may differ from actual products. All names, images & logo are copyright of their respective owners. POWERJAC is not responsible for any loss in any matter.

www.powerjac.com