MaskoTech Jacks

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MaskoTech® SINCE 1968

Hydraulic Jacks

Construction - Infrastructure ind.

Hydraulic Tools

Customized Products

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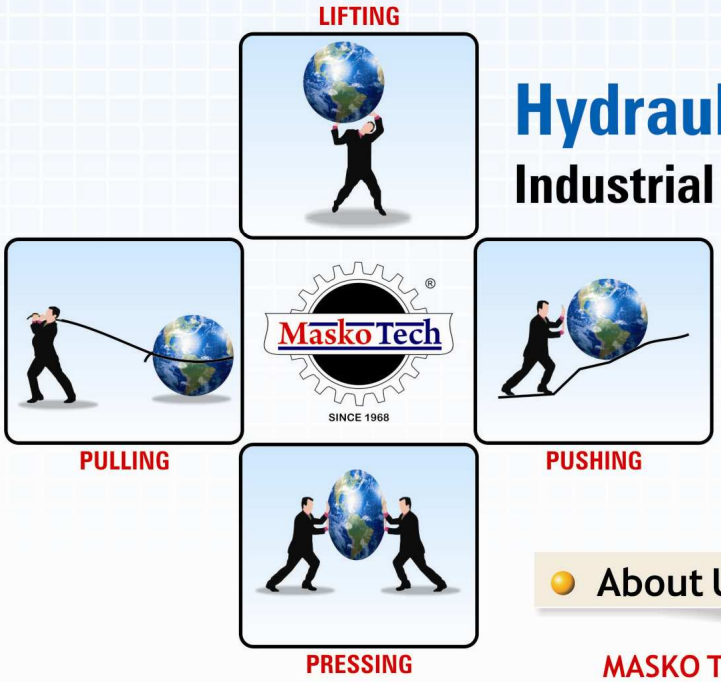

Hydraulic Solutions for All

Industrial & Infrastructural Applications

About Us

MASKO TECH ENGINEERS was established in 1968 with Quality Standards of ISO 9001:2008 & CE Certified Company.

The Company is leading manufacturer of Hyd. Trailer Jacks, Mechanical Screw Jacks, Material Handling, Automotive Servicing Equipments & Trolleys & is presently manufacturing High Pressure Cylinders, Pumps & Hydraulic Systems up to 700 Bar (10,000 psi).

MaskoTech's constant efforts & strong dedication towards upgradation in design & innovation has enhanced its products range capabilities & manufacturing. It now offers a wide range of varieties in 700 bar (10,000 psi) product range for Hydraulic Jacks, Cylinders, Pumps, Power Packs, Systems, Pullers, Valves, Hoses, Industrial tools & Equipments. We are also engaged in **CUSTOM DESIGNED EQUIPMENTS.**

MaskoTech's products have been proven, accepted at National & International Level & widely used in Steel Plants, Cement Industries, Construction & Infrastructure Industries, Heavy Engineering & Processing Plants, Mining, Power Plants, Railways & Defense, Ship Building & Port Trust, Wind Mill, OEM's & Petrochemical Industries.

Why Us

(1) Advanced & Constant Quality Products

(2) Product Guarantee & Free Replacement for Premature Failures

(3) Continuous Quest for New Design & its successful deliverance

Vision

To be a House of Industrial Excellence by providing superior quality & services at National & International Ground.

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Industries **We Serve..**

Power Plants

- Jacks, pullers, stud bolt tensioning, torque wrenches, workshop presses and nut splitters for erection and maintenance.

Railways

- Jacks, Car Jacks, presses, pullers, torque wrenches, roller bearing extractors, pinion extractors, cartridge Taper roller bearing extractors for diesel and electric locomotives, carriage and wagon. Track erection and maintenance jacks. Special purpose machines for maintenance and production.

Ship Building - Ship Repairing & Offshore Industries

- Jacks, Power packs, Stud Bolt Tensioning and Torque Wrenches for fabrications, erection and launching, maintenance of Defense Vessels, Bulk Carriers, Offshore platforms and Barges.

Steel Plants

- Steel mill duty cylinders, Power packs, lubrication systems, customized solutions, jacks, stud bolt tensioning, torque wrenches for sheet rolling mill, basic oxygen furnace, continuous casting plant, hot strip mill, cold rolling mill, blast furnace, sinter plant, pallet plant, raw material handling system, steel melting shop, coke oven plant, electric oven furnace, power plants.

Wind Mill

- Standard jacks (MT - RCCS / RSHC Models), bolt tensioning, stressing jacks.

Industries **We Serve..**

Cement Industries

- Jacks, pullers, stud bolt tensioners, torque wrenches, workshop presses for erection and maintenance of KLIN, Cement Mill, Coal Mill, Crusher Plant, Packing Plant, Mines Department and Auto garages.

Heavy Engineering & Process Industries

- Jacks, cylinders, stud bolt tensioners, step jacks, nut splitters, presses, pumping units, customized solutions for fabrication, erection and maintenance.

Mining

- Standard jacks, pullers, bead breakers, track link pin pusher, car jacks, bolt tensioner, anchorage testing machines.

Construction & Infrastructure Industries

- MULTISTRAND Pre-stressing Jacks various types capacity – 200t, 300t, 420t, 520t, 680t and stroke 100 to 300 mm
- Wedge locking device – 705, 1205, 1206, 1905, 1906, 4206
- MONOSTRAND Jacks Capacity – 20t, 25t, 30t and stroke 200, 300, 750 and 1000 mm.
- Bar Jacks capacity – 60t, 80t, 100t, 120t, 150t, 200t, 300t, 400t, 500t and stroke up to 300mm.
- Pile Testing Jacks – 300t, 400t, 500t, 600t, 800t, 1000t, 1500t and stroke up to 500mm.
- Tunneling / box pushing jacks capacity – 100t, 200t, 300t, 400t, 500t and stroke up to 50 mm.
- Span lifting jacks for girder alignment capacity – 100t, 200t, 300t, 400t and 500t and stroke up to 50 mm.
- Traverse jacks – 200t – 1000t, stroke 200 mm
- Step Jacks – 100t – 1000t , stroke 150 – 300 mm
- Hydraulic Jacks, Cylinders / Hollow Cylinders up to – 1500t with Power packs for erection and launching of girders.
- Customized solutions.Ø Jacks, pullers, stud bolt tensioners, torque wrenches, workshop presses for erection and maintenance of KLIN, Cement Mill, Coal Mill, Crusher Plant, Packing Plant, Mines Department and Auto garages.

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Anatomy of MaskoTech Jacks

Plain Ram Jack

Threaded Ram Jack Screwed Ram Jack with Safety Lock Nut

Hollow Ram Jackor Centre Hole Ram Jack

Features of MASKOTECH Make Jacks :	Others:
Comply with ASME B30.1 standards and maintain safety factor of 2:1 on material yield. CE Marking	The jack components manufactured out of En 8 / Recycled steel or M.S. (low carbon steel). Chances of Cylinder Bursting & Bulging on Load
Jack components are manufactured of graded alloy steel, hardened and tempered for toughness. Standard jacks designed to take top nut load at full pressure. Piston and rod guides designed for trouble free operation (closed height is more than other manufacturers) Single acting cylinder bores honed to H8 tolerance with surface finish of 0.4 Ra and hard chrome plated for rust and wear resistance. 100% reliable.	Top nut fails at full pressure. Piston and rod guide lengths compromised. Single acting cylinders are honed. Not internally hard chrome plated. Thus corroding the cylinder bore, damaging the seals.
Super fine internal finish - extended seal life All the sub-assemblies and components are precision machined with closed tolerances for consistency and quality	The product speaks for itself.
Ram ground and hard chrome plated to 100 microns.	Ram ground and flash quoted. Short life due to corrosion.
Spring assisted ram retraction for single acting cylinders.(10t - 500t)	Indigenous manufacturers avoid spring assisted ram retraction duty to lack of design knowledge and imported brands limited to 100t capacity.
All exposed surfaces treated for corrosion resistance.	Surface treatment for corrosion resistance avoided. Short life.
Double acting cylinders - pressure relief valve provided in return port prevents damage in case of accidental over pressurization due to blockage in return line.	They avoid safety relief valve duty to lack of design knowledge.
Polyurethane / Composite seals - imported make (Piston seal, rod seal and wiper)	Local make rubber seals. Very low shelf life, unreliable and possibility of failure.
Aluminum bronze guide rings provided on piston - reduces scoring caused by off-center loads.	No guide bushes. Steel on steel contact (Heavy wear and tear / scoring / seals damage / life of span of the jack limited and heavy leakage during usage)
Hardened saddle prevents ram from mushrooming.	No hardening. Immediate damage
Costly buy 20-25%. Pinches pocket initially - value for money in the long run.	Cheaper by 20-25%
No down time. Saves labor cost.	Loss of labor cost due to down time
Negligible frequency of seal change	Seal frequently fail

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ULF

Pancake Jacks - Plain Ram, Single Acting, Load Return

Capacity 10 - 200 ton / Stroke 10 mm / 50 mm / Max. Working Pressure 700 bar

Features / Application

- Used in confined area with extremely low clearance
- Ideally suited for precision lifting, alignment of machinery, heavy structures and removal of pulleys / sprockets on taper seats

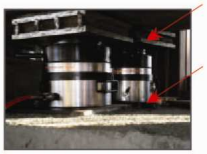
Note : Don't over stroke, no Ram stopper

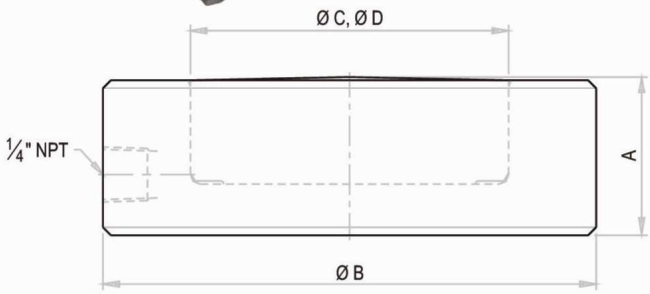
Caution

Stop lifting ones " Red band" on ram appears above cylinder surface

Caution

Provide a level and solid support for entire jack base area & saddle top since the ram guide length is small.



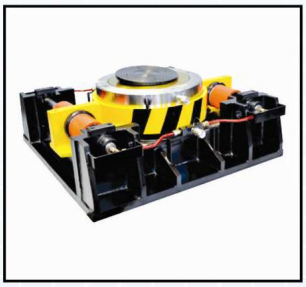


MT - ULF Series

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD.	Bore Dia.	Ram Dia.	Weight (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	(kg)
10 (111)	10	**ULF 10-10**	15.9	16	30	80	45	45	1.2
20 (218)	10	**ULF 20-10**	31.2	32	35	100	63	63	2.2
30 (309)	10	**ULF 30-10**	44.2	44	40	110	75	75	3
50 (550)	10	**ULF 50-10**	78.5	79	50	140	100	100	6
100 (1077)	10	**ULF 100-10**	153.9	154	70	180	140	140	14
150 (1589)	10	**ULF 150-10**	227	227	75	220	170	170	22
200 (2199)	10	**ULF 200-10**	314.2	315	80	255	200	200	32

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

CUSTOMISED SOLUTIONS



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SLP

Pancake Jacks - Threaded Ram With Safety Lock Nut And Tilt Saddle, Single Acting, Load Return

Capacity 50 - 1200 ton / Stroke 45 - 50 mm / Max. Working Pressure 700 bar

Features / Application

- Used in low clearance confined area
- ideally suited for precision lifting, alignment of machinery, heavy structures and girders requiring sustained load holding

Note : Don't over stroke, no mechanical Ram stopper

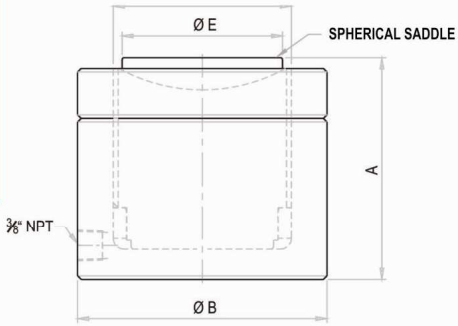
Caution

Incase of over stroke, the oil will Leak from the top.

Caution

Provide a level and solid support for entire jack base area & saddle top since the ram guide length is small.

Spherical Saddle



MT - SLP Series

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD.	Bore Dia.	Ram Dia.	Saddle Dia.	Saddle Max. Tilt Angle	Weight (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)		(kg)
50 (550)	50	**SLP 50-50**	78.5	393	125	140	100	100	90	**5** Degree	14.2
100 (1077)	50	**SLP 100-50**	153.9	770	140	180	140	140	125	**5** Degree	25.4
150 (1589)	45	**SLP 150-45**	227	1022	150	220	170	170	160	**5** Degree	44
200 (2199)	45	**SLP 200-45**	314.2	1414	155	255	200	200	180	**5** Degree	57
250 (2661)	45	**SLP 250-45**	380.1	1710	160	280	220	220	200	**5** Degree	77
300 (3167)	45	**SLP 300-45**	452.4	2036	170	310	240	240	220	**4** Degree	98
400 (4008)	45	**SLP 400-45**	572.6	2577	180	350	270	270	250	**4** Degree	128
500 (4948)	45	**SLP 500-45**	706.9	3181	195	400	300	300	290	**3** Degree	186
800 (7939)	45	**SLP 800-45**	1134.1	5104	245	505	380	380	340	**3** Degree	369
1000 (9930)	45	**SLP 1000-45**	1418.6	6384	260	560	425	425	380	**3** Degree	475
1200 (12405)	45	**SLP 1200-45**	1772.1	7974	280	600	475	475	400	**3** Degree	590

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
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CUSTOMISED SOLUTIONS

RSMS

Flat Jacks - Plain Ram, Single Acting, Spring Return

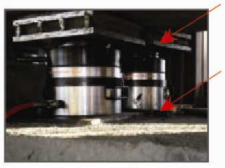
Capacity 5 - 200 ton / Stroke 8 -16 mm / Max. Working Pressure 700 bar

Features / Application

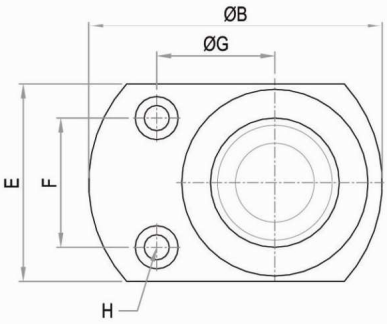
- Compact and flat design ideally suited where clearance is minimum for insertion of jack
- Mounting holes for easy fixturing
- Heavy equipment lifting, alignment and clamping

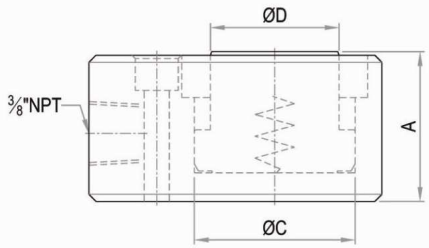
Caution

Provide a level and solid support for entire jack base area & saddle top since the ram guide length is small.



Model MT	Mounting Holes Location (mm)		
	F	G	Thru Hole H
RSMS 5-8	28	25	5.5
RSMS 10-12	36	35	7
RSMS 20-12	50	40	8.5
RSMS 30-12	55	45	10.5
RSMS 50-16	75	55	11
RSMS 75-16	85	70	13
RSMS 100-16	90	80	13
RSMS 150-16	110	95	13
RSMS 200-16	130	105	17





MT - RSMS Series

Note: OSF 5-8 has port 1/4"NPT

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD.	Bore Dia.	Ram Dia.	A/F	Weight (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	(kg)
5 (56)	8	**RSMS 5-8**	8	6	35	60	32	20	45	0.6
10 (111)	12	**RSMS 10-12**	15.9	19	45	80	45	35	60	1.3
20 (218)	12	**RSMS 20-12**	31.2	37	55	100	63	50	80	2.6
30 (309)	12	**RSMS 30-12**	44.2	53	60	115	75	60	95	3.8
50 (550)	16	**RSMS 50-16**	78.5	126	65	140	100	70	120	6.2
75 (792)	16	**RSMS 75-16**	113.1	180	80	175	120	85	145	11.8
100 (1077)	16	**RSMS 100-16**	153.9	247	85	190	140	100	165	15.1
150 (1589)	16	**RSMS 150-16**	227	363	100	230	170	120	205	27
200 (1985)	16	**RSMS 200-16**	283.5	454	115	265	190	140	230	40.7

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- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

CUSTOMISED SOLUTIONS

RCCS

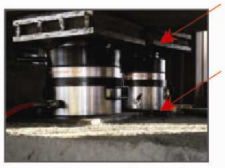
Low Height Jacks - Plain Ram, Single Acting, Spring Return

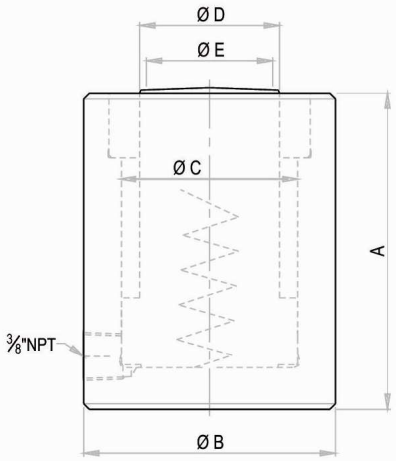
Capacity 10 - 200 ton / Stroke 30- 60 mm / Max. Working Pressure 700 bar

Features / Application
- Ideal for applications with low clearance
- Heavy equipment lifting and alignment

Caution

Provide a level and solid support for entire jack base area & saddle top since the ram guide length is small.





MT - RCCS Series

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD.	Bore Dia.	Ram Dia.	Saddle Dia.	Weight (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	(kg)
10 (111)	30	**RCCS 10-30**	15.9	48	90	70	45	35	NA	2.3
20 (218)	50	**RCCS 20-50**	31.2	160	115	90	63	50	NA	4.9
30 (309)	50	**RCCS 30-50**	44.2	221	120	100	75	60	NA	6
50 (550)	60	**RCCS 50-60**	78.5	471	125	130	100	80	60	11
75 (792)	60	**RCCS 75-60**	113.1	679	145	155	120	95	70	18.4
100 (1077)	60	**RCCS 100-60**	153.9	925	150	180	140	110	80	23.6
150 (1589)	60	**RCCS 150-60**	227	1362	165	220	170	140	100	43
200 (1985)	60	**RCCS 200-60**	314.2	1885	200	255	200	160	110	66

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GSP - GLPS

General Purpose Jacks - Plain Ram, Single Acting, Spring / Load Return

Capacity 5 - 2000 ton / Stroke 50 - 200 mm / Max. Working Pressure 700 bar

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GSP Series

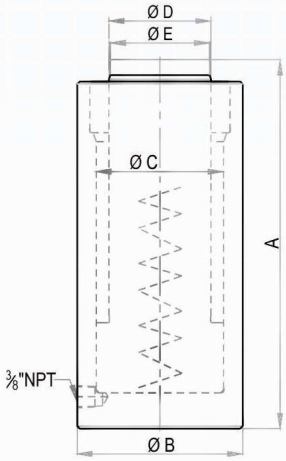
GLPS Series

Features / Application

- Standard multipurpose application jacks
- Base mounting holes and collar threads are optional
- Spring return mechanism upto 500t, Load return for 600t and above
- Spherical saddle for 500tand above; optional for lower Capacities
- Heavy industries, Construction, power and process plants, shipbuilding, petrochemical industries

Plain Saddle

Spherical Saddle



MT - GSP Series: S - Single Acting Spring Return P - Plain Ram
MT - GSPS Series: S - Spherical Saddle (Tilting Angle - 5 Degree Max.)

Capacity	Stroke	Model with Plain Saddle	Model with Spherical Saddle	Effective Area	Oil Cap.	Closed Height with Plain Saddle	Closed Height with Spherical Saddle	Cylinder OD	Bore Dia.	Ram Dia.	Plain Saddle Dia.	Spherical Saddle Dia.	Wt. (Approx.) (Plain Saddle)	Wt. (Approx.) (Sph. Saddle)
Tons (kN)	(mm)	MT	MT	cm. sq.	(cc)	A (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	E (mm)	(kg)	(kg)
5 (56)	50	**GSP 5-50**	**NA**	8	40	135	**NA**	45	32	25	25	**NA**	1.3	**NA**
5 (56)	100	**GSP 5-100**	**NA**	8	80	185	**NA**	45	32	25	25	**NA**	1.8	**NA**
5 (56)	150	**GSP 5-150**	**NA**	8	121	235	**NA**	45	32	25	25	**NA**	2.3	**NA**
10 (111)	50	**GSP 10-50**	**GSPS 10-50**	15.9	80	135	145	60	45	35	35	35	2.4	2.6
10 (111)	100	**GSP 10-100**	**GSPS 10-100**	15.9	159	185	195	60	45	35	35	35	3.2	3.2
10 (111)	150	**GSP 10-150**	**GSPS 10-150**	15.9	239	235	245	60	45	35	35	35	4	4.2
10 (111)	200	**GSP 10-200**	**GSPS 10-200**	15.9	318	285	295	60	45	35	35	35	4.7	4.9
15 (167)	50	**GSP 15-50**	**GSPS 15-50**	23.8	119	140	155	70	55	45	43	43	4.4	4.6
15 (167)	100	**GSP 15-100**	**GSPS 15-100**	23.8	238	190	205	70	55	45	43	43	5.4	5.6
15 (167)	150	**GSP 15-150**	**GSPS 15-150**	23.8	356	240	255	70	55	45	43	43	6.4	6.6
15 (167)	200	**GSP 15-200**	**GSPS 15-200**	23.8	475	290	305	70	55	45	43	43	7.4	7.6
20 (218)	50	**GSP 20-50**	**GSPS 20-50**	31.2	156	145	160	80	63	50	48	48	4.8	5.1
20 (218)	100	**GSP 20-100**	**GSPS 20-100**	31.2	312	195	210	80	63	50	48	48	6	6.3
20 (218)	150	**GSP 20-150**	**GSPS 20-150**	31.2	468	245	260	80	63	50	48	48	7.4	7.7
20 (218)	200	**GSP 20-200**	**GSPS 20-200**	31.2	623	295	310	80	63	50	48	48	8.6	8.9
25 (270)	50	**GSP 25-50**	**GSPS 25-50**	38.5	192	155	170	90	70	55	53	48	6.7	7
25 (270)	100	**GSP 25-100**	**GSPS 25-100**	38.5	385	205	220	90	70	55	53	48	8.4	8.7
25 (270)	150	**GSP 25-150**	**GSPS 25-150**	38.5	577	255	270	90	70	55	53	48	10	10.3
25 (270)	200	**GSP 25-200**	**GSPS 25-200**	38.5	770	305	320	90	70	55	53	48	11.8	12.1
30 (309)	50	**GSP 30-50**	**GSPS 30-50**	44.2	221	160	175	100	75	60	58	55	9	9.4
30 (309)	100	**GSP 30-100**	**GSPS 30-100**	44.2	442	210	225	100	75	60	58	55	11.5	11.9
30 (309)	150	**GSP 30-150**	**GSPS 30-150**	44.2	663	260	275	100	75	60	58	55	13.5	13.9
30 (309)	200	**GSP 30-200**	**GSPS 30-200**	44.2	884	310	325	100	75	60	58	55	15.5	15.9

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General Purpose Jacks - Plain Ram, Single Acting, Spring / Load Return

GSP- GLPS

Capacity 5 - 2000 ton / Stroke 50 - 200 mm / Max. Working Pressure 700 bar

MT - GSP Series: S - Single Acting Spring Return P - Plain Ram
MT - GSPS Series: S - Spherical Saddle (Tilting Angle - 5 Degree Max.)

Capacity	Stroke	Model with Plain Saddle	Model with Spherical Saddle	Effective Area	Oil Cap.	Closed Height with Plain Saddle	Closed Height with Spherical Saddle	Cylinder OD	Bore Dia.	Ram Dia.	Plain Saddle Dia.	Spherical Saddle Dia.	Wt. (Approx.) (Plain Saddle)	Wt. (Approx.) (Sph. Saddle)
Tons (kN)	(mm)	MT	MT	cm. sq.	(cc)	A (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	E (mm)	(kg)	(kg)
50 (550)	50	**GSP 50-50**	**GSPS 50-50**	78.5	393	175	190	130	100	80	78	74	15.5	16
50 (550)	100	**GSP 50-100**	**GSPS 50-100**	78.5	785	225	240	130	100	80	78	74	19	19.5
50 (550)	150	**GSP 50-150**	**GSPS 50-150**	78.5	1178	275	290	130	100	80	78	74	22.5	23
50 (550)	200	**GSP 50-200**	**GSPS 50-200**	78.5	1571	325	340	130	100	80	78	74	26.5	27
75 (792)	50	**GSP 75-50**	**GSPS 75-50**	113.1	565	180	205	155	120	95	93	88	22	22.9
75 (792)	100	**GSP 75-100**	**GSPS 75-100**	113.1	1131	230	255	155	120	95	93	88	27	27.9
75 (792)	150	**GSP 75-150**	**GSPS 75-150**	113.1	1696	280	305	155	120	95	93	88	33	33.9
75 (792)	200	**GSP 75-200**	**GSPS 75-200**	113.1	2262	330	355	155	120	95	93	88	38	38.9
100 (1077)	50	**GSP 100-50**	**GSPS 100-50**	153.9	770	185	205	180	140	110	108	100	30	31
100 (1077)	100	**GSP 100-100**	**GSPS 100-100**	153.9	1539	235	255	180	140	110	108	100	37.5	38.5
100 (1077)	150	**GSP 100-150**	**GSPS 100-150**	153.9	2309	285	305	180	140	110	108	100	44.5	45.5
100 (1077)	200	**GSP 100-200**	**GSPS 100-200**	153.9	3079	335	355	180	140	110	108	100	52	53
150 (1589)	50	**GSP 150-50**	**GSPS 150-50**	227	1135	200	225	220	170	140	138	130	54	56
150 (1589)	100	**GSP 150-100**	**GSPS 150-100**	227	2270	250	275	220	170	140	138	130	65	67
150 (1589)	150	**GSP 150-150**	**GSPS 150-150**	227	3405	300	325	220	170	140	138	130	76	78
200 (2199)	50	**GSP 200-50**	**GSPS 200-50**	314.2	1571	215	240	255	200	160	158	150	71	74.5
200 (2199)	100	**GSP 200-100**	**GSPS 200-100**	314.2	3142	265	290	255	200	160	158	150	86.5	90
200 (2199)	150	**GSP 200-150**	**GSPS 200-150**	314.2	4712	315	340	255	200	160	158	150	102	105.5
250 (2661)	100	**GSP 250-100**	**GSPS 250-100**	380.1	3801	270	305	280	220	180	177	165	109	114
250 (2661)	150	**GSP 250-150**	**GSPS 250-150**	380.1	5702	320	355	280	220	180	177	165	126	131
250 (2661)	200	**GSP 250-200**	**GSPS 250-200**	380.1	7603	370	405	280	220	180	177	165	143	148
300 (3167)	100	**GSP 300-100**	**GSPS 300-100**	452.4	4524	285	320	310	240	200	196	180	141	148
300 (3167)	150	**GSP 300-150**	**GSPS 300-150**	452.4	6786	335	370	310	240	200	196	180	164	171
300 (3167)	200	**GSP 300-200**	**GSPS 300-200**	452.4	9048	385	420	310	240	200	196	180	187	194
400 (4008)	100	**GSP 400-100**	**GSPS 400-100**	572.6	5726	315	355	350	270	220	216	212	190	201
400 (4008)	150	**GSP 400-150**	**GSPS 400-150**	572.6	8588	365	405	350	270	220	216	212	217	228
400 (4008)	200	**GSP 400-200**	**GSPS 400-200**	572.6	11451	415	455	350	270	220	216	212	243	254
500 (4948)	100	**NA**	**GSPS 500-100**	706.9	7069	**NA**	365	400	300	250	**NA**	230	**NA**	270
500 (4948)	150	**NA**	**GSPS 500-150**	706.9	10603	**NA**	415	400	300	250	**NA**	230	**NA**	306
500 (4948)	200	**NA**	**GSPS 500-200**	706.9	14137	**NA**	465	400	300	250	**NA**	230	**NA**	343

MT - GLPS Series: L - Single Acting Load Return P - Plain Ram S - Spherical Saddle (Tilting Angle - 5 Degree Max.)

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD	Bore Dia.	Ram Dia.	Saddle Dia.	Wt. (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	(kg)
600 (5987)	100	**GLPS 600-100**	855.3	8553	390	430	330	275	260	357
600 (5987)	150	**GLPS 600-150**	855.3	12829	440	430	330	275	260	404
600 (5987)	200	**GLPS 600-200**	855.3	17106	490	430	330	275	260	450
800 (7939)	100	**GLPS 800-100**	1134.1	11341	425	505	380	310	290	525
800 (7939)	150	**GLPS 800-150**	1134.1	17012	475	505	380	310	290	590
800 (7939)	200	**GLPS 800-200**	1134.1	22682	525	505	380	310	290	654
1000 (9930)	100	**GLPS 1000-100**	1418.6	14186	460	560	425	350	330	721
1000 (9930)	150	**GLPS 1000-150**	1418.6	21279	510	560	425	350	330	800
1000 (9930)	200	**GLPS 1000-200**	1418.6	28373	560	560	425	350	330	879
1500 (15154)	100	**GLPS 1500-100**	2164.8	21648	545	705	525	450	400	1352
1500 (15154)	150	**GLPS 1500-150**	2164.8	32472	595	705	525	450	400	1482
1500 (15154)	200	**GLPS 1500-200**	2164.8	43296	645	705	525	450	400	1612
2000 (20458)	100	**GLPS 2000-100**	2922.5	29225	615	810	610	525	495	2023
2000 (20458)	150	**GLPS 2000-150**	2922.5	43837	665	810	610	525	495	2195
2000 (20458)	200	**GLPS 2000-200**	2922.5	58450	715	810	610	525	495	2367

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

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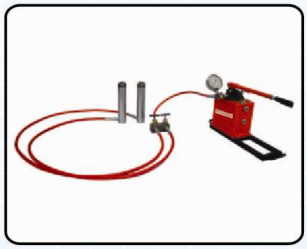


GST - GLTS

General Purpose Jacks - Threaded Ram with Safety Lock Nut, Single Acting, Spring / Load Return

Capacity 10 - 2000 ton / Stroke 150 mm / Max. Working Pressure 700 bar

GST Series

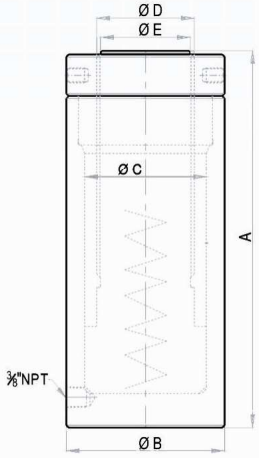
GSTS / GLTS Series

Features / Application

- Standard multipurpose application jacks
- Spring return mechanism upto 500t capacity, Load return for 600t and above
- Spherical saddle for 500t and above ; optional for lower capacities
- ideally suited for application requiring sustained load holding in infrastructure projects, heavy industries

Plain Saddle

Spherical Saddle



MT - GST Series: S - Single Acting Spring Return T - Threaded Ram
MT - GSTS Series: S - Spherical Saddle (Tilting Angle 5 Degree Max.)

Capacity	Stroke	Model with Plain Saddle	Model with Spherical Saddle	Effective Area	Oil Cap.	Closed Height with Plain Saddle	Closed Height with Spherical Saddle	Cylinder OD	Bore Dia.	Ram Dia.	Plain Saddle Dia.	Spherical Saddle Dia.	Wt. (Approx.) (Plain Saddle)	Wt. (Approx.) (Sph. Saddle)
Tons (kN)	(mm)	MT	MT	cm. sq.	(cc)	A (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	E (mm)	(kg)	(kg)
10 (111)	150	**GST 10-150**	**GSTS 10-150**	15.9	239	245	255	60	45	40	34	35	4.5	4.7
15 (167)	150	**GST 15-150**	**GSTS 15-150**	23.8	356	250	265	70	55	50	43	43	6.5	6.7
20 (218)	150	**GST 20-150**	**GSTS 20-150**	31.2	468	260	275	80	63	55	48	48	9	9.3
25 (270)	150	**GST 25-150**	**GSTS 25-150**	38.5	577	270	285	90	70	55	50	48	11.3	11.7
30 (309)	150	**GST 30-150**	**GSTS 30-150**	44.2	663	275	290	100	75	60	55	55	14.5	15
50 (550)	150	**GST 50-150**	**GSTS 50-150**	78.5	1178	290	305	130	100	80	75	74	26.5	27
75 (792)	150	**GST 75-150**	**GSTS 75-150**	113.1	1696	305	320	155	120	95	89	88	37	38
100 (1077)	150	**GST 100-150**	**GSTS 100-150**	153.9	2309	320	325	180	140	110	103	100	56	57
150 (1589)	150	**GST 150-150**	**GSTS 150-150**	227	3405	325	350	220	170	140	133	130	86	88.5
200 (2199)	150	**GST 200-150**	**GSTS 200-150**	314.2	4712	340	365	255	200	160	152	150	110	114
250 (2661)	150	**GST 250-150**	**GSTS 250-150**	380.1	5702	350	385	280	220	180	170	165	134	139
300 (3167)	150	**GST 300-150**	**GSTS 300-150**	452.4	6786	370	405	310	240	200	192	180	176	183.5
400 (4008)	150	**GST 400-150**	**GSTS 400-150**	572.6	8588	405	445	350	270	220	212	212	240	252
500 (4948)	150	**NA**	**GSTS 500-150**	706.9	10603	**NA**	465	400	300	250	**NA**	230	**NA**	363

MT - GLTS Series: S - Single Acting Spring Return T - Threaded Ram S - Spherical Saddle (Tilting Angle 5 Degree Max.)

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD	Bore Dia.	Ram Dia.	Saddle Dia.	Wt. (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	(kg)
600 (5987)	150	**GLTS 600-150**	855.3	12829	**495**	430	330	275	**260**	**495**
800 (7939)	150	**GLTS 800-150**	1134.1	17012	**535**	505	380	310	**290**	**731**
1000 (9930)	150	**GLTS 1000-150**	1418.6	21279	**570**	560	425	350	**330**	**970**
1500 (15154)	150	**GLTS 1500-150**	2164.8	32472	**660**	705	525	450	**400**	**1822**
2000 (20458)	150	**GLTS 2000-150**	2922.5	43837	**750**	810	610	525	**495**	**2688**

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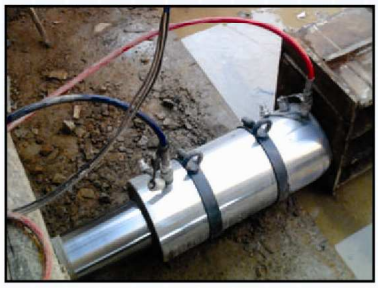
General Purpose Jacks - Plain Ram, Double Acting, Oil Return

GDP

Capacity 10 - 2000 ton / Stroke 150 mm / Max. Working Pressure 700 bar

GDP Series



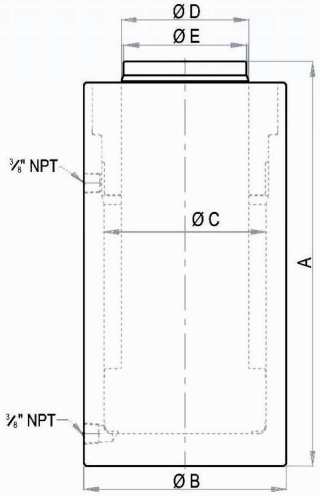
Features / Application

- Suits most of the general lifting and push-pull applications
- Spherical saddle for 500t and above; optional for lower capacities
- Safety relief valves in return port, in case of accidental over pressurization due to blockage in return line
- Multipurpose applications, Concrete pile testing, box pushing, ship lifting and hydraulic presses

GDPS Series

Plain Saddle

Spherical Saddle



MT - GDP Series: D - Double Acting Oil Return P - Plain Ram
MT - GDPS Series: S - Spherical Saddle (Tilting Angle 5 Degree Max.)

Capacity	Stroke	Model with Plain Saddle	Model with Spherical Saddle	Effective Area	Oil Cap.	Closed Height with Plain Saddle	Closed Height with Spherical Saddle	Cylinder OD	Bore Dia.	Ram Dia.	Plain Saddle Dia.	Spherical Saddle Dia.	Wt. (Approx.) (Plain Saddle)	Wt. (Approx. (Sph. Saddle)
Tons (kN)	(mm)	MT	MT	cm. sq.	(cc)	A (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	E (mm)	(kg)	(kg)
10 (111)	150	**GDP 10-150**	**GDPS 10-150**	15.9	239	275	285	75	45	30	28	35	8	8.2
15 (167)	150	**GDP 15-150**	**GDPS 15-150**	23.8	356	280	290	85	55	40	38	35	10.5	10.7
20 (218)	150	**GDP 20-150**	**GDPS 20-150**	31.2	468	285	300	95	63	50	48	48	14.2	14.5
25 (270)	150	**GDP 25-150**	**GDPS 25-150**	38.5	577	295	310	95	70	55	53	48	14	14.3
30 (309)	150	**GDP 30-150**	**GDPS 30-150**	44.2	663	305	320	100	75	55	53	55	16	16.5
50 (550)	150	**GDP 50-150**	**GDPS 50-150**	78.5	1178	305	320	130	100	70	67	74	26	27
75 (792)	150	**GDP 75-150**	**GDPS 75-150**	113.1	1696	305	330	155	120	90	87	88	36.5	37.5
100 (1077)	150	**GDP 100-150**	**GDPS 100-150**	153.9	2309	310	330	180	140	110	106	100	52.5	54
150 (1589)	150	**GDP 150-150**	**GDPS 150-150**	227	3405	320	345	220	170	140	137	130	85	87
200 (2199)	150	**GDP 200-150**	**GDPS 200-150**	314.2	4712	345	370	255	200	150	146	150	116	119.5
250 (2661)	150	**GDP 250-150**	**GDPS 250-150**	380.1	5702	350	385	280	220	180	177	165	148	153
300 (3167)	150	**GDP 300-150**	**GDPS 300-150**	452.4	6786	365	400	310	240	180	177	180	181	190
400 (4008)	150	**GDP 400-150**	**GDPS 400-150**	572.6	8588	385	425	350	270	220	216	212	254	265
500 (4948)	150	**NA**	**GDPS 500-150**	706.9	10603	**NA**	450	400	300	240	**NA**	230	**NA**	365
600 (5987)	150	**NA**	**GDPS 600-150**	855.3	12829	**NA**	480	430	330	270	**NA**	260	**NA**	453
800 (7939)	150	**NA**	**GDPS 800-150**	1134.1	17012	**NA**	515	505	380	300	**NA**	290	**NA**	654
1000 (9930)	150	**NA**	**GDPS 1000-150**	1418.6	21279	**NA**	560	560	425	350	**NA**	330	**NA**	892
1500 (15154)	150	**NA**	**GDPS 1500-150**	2164.8	32472	**NA**	620	705	525	420	**NA**	400	**NA**	1540
2000 (20458)	150	**NA**	**GDPS 2000-150**	2922.5	43837	**NA**	705	810	610	525	**NA**	495	**NA**	2348

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

CUSTOMISED SOLUTIONS

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GDT

General Purpose Jacks - Threaded Ram with Safety Lock Nut, Double Acting, Oil Return

Capacity 50 - 1000 ton / Stroke 150 - 300 mm / Max. Working Pressure 700 bar

GDT Series

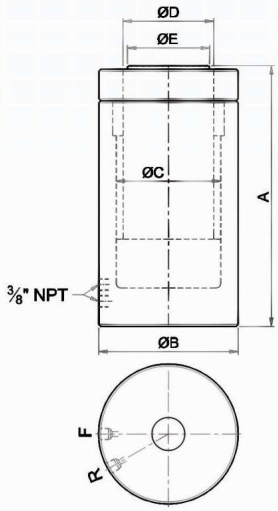
GDTS Series

Features / Application

- Suits most of the general lifting and push-pull applications
- Sustained load holding with lock nut in vertical and horizontal direction.
- Fast and complete ram retraction
- Spherical saddle for 500t and above; optional for lower capacities
- Suited for Construction and Heavy industries

Plain Saddle

Spherical Saddle



MT - GDT Series: S - Double Acting Oil Return T - Threaded Ram
MT - GDTS Series: S - Spherical Saddle (Tilting Angle 5 Degree Max.)

Capacity	Stroke	Model with Plain Saddle	Model with Spherical Saddle	Effective Area	Oil Cap.	Closed Height with Plain Saddle	Closed Height with Spherical Saddle	Cylinder OD	Bore Dia.	Ram Dia.	Plain Saddle Dia.	Spherical Saddle Dia.	Wt. (Approx.) (Plain Saddle)	Wt. (Approx.) (Sph. Saddle)
Tons (kN)	(mm)	MT	MT	cm. sq.	(cc)	A (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	E (mm)	(kg)	(kg)
50 (535)	150	**GDT 50-150**	**GDTS 50-150**	76.4	1146	325	340	140	105	85	79	74	35	36
50 (535)	300	**GDT 50-300**	**GDTS 50-300**	76.4	2293	475	490	140	105	85	79	74	54	55
100 (1126)	150	**GDT 100-150**	**GDTS 100-150**	160.8	2412	350	365	195	150	125	115	100	76.5	79.5
100 (1126)	300	**GDT 100-300**	**GDTS 100-300**	160.8	4825	500	515	195	150	125	115	100	102	105
150 (1644)	150	**GDT 150-150**	**GDTS 150-150**	234.8	3522	380	400	235	180	140	132	130	110.5	113.5
150 (1644)	300	**GDT 150-300**	**GDTS 150-300**	234.8	7044	530	550	235	180	140	132	130	146	148
200 (2227)	150	**GDT 200-150**	**GDTS 200-150**	318.1	4772	400	420	270	210	170	160	150	159.5	167.5
200 (2227)	300	**GDT 200-300**	**GDTS 200-300**	318.1	9543	550	570	270	210	170	160	150	202	204.5
250 (2639)	150	**GDT 250-150**	**GDTS 250-150**	377	5655	400	425	300	230	180	170	165	197.5	210.5
250 (2639)	300	**GDT 250-300**	**GDTS 250-300**	377	11310	550	575	300	230	180	170	165	250	253.5
300 (3223)	150	**GDT 300-150**	**GDTS 300-150**	460.4	6906	410	440	330	255	205	195	180	248.5	265.5
300 (3223)	300	**GDT 300-300**	**GDTS 300-300**	460.4	13812	560	590	330	255	205	195	180	315.5	320.5
400 (4502)	150	**GDT 400-150**	**GDTS 400-150**	643.2	9648	435	470	385	300	250	235	212	357.5	389.5
400 (4502)	300	**GDT 400-300**	**GDTS 400-300**	643.2	19296	585	620	385	300	250	235	212	458	464
500 (5438)	150	**NA**	**GDTS 500-150**	776.8	11652	**NA**	485	430	330	270	**NA**	230	**NA**	491
500 (5438)	300	**NA**	**GDTS 500-300**	776.8	23304	**NA**	635	430	330	270	**NA**	230	**NA**	592
600 (6460)	150	**NA**	**GDTS 600-150**	922.8	13842	**NA**	510	470	360	300	**NA**	260	**NA**	625
600 (6460)	300	**NA**	**GDTS 600-300**	922.8	27684	**NA**	660	470	360	300	**NA**	260	**NA**	703
800 (8576)	150	**NA**	**GDTS 800-150**	1225.2	18378	**NA**	550	540	410	340	**NA**	290	**NA**	975
800 (8576)	300	**NA**	**GDPS 800-300**	1225.2	36756	**NA**	700	540	410	340	**NA**	290	**NA**	1048
1000 (10842)	150	**NA**	**GDTS 1000-150**	1548.8	23232	**NA**	585	600	460	380	**NA**	335	**NA**	1160
1000 (10842)	300	**NA**	**GDPS 1000-300**	1548.8	46464	**NA**	735	600	460	380	**NA**	335	**NA**	1354

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

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Hollow Ram Jack - Plain Ram, Single Acting, Spring Return

RSHC

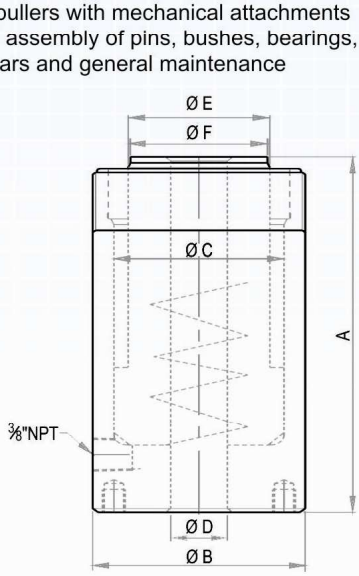
Capacity 10 - 100 ton / Stroke 50-150 mm / Max. Working Pressure 700 bar

Features / Application

- As hydraulic pullers with mechanical attachments
- Removal and assembly of pins, bushes, bearings, sprockets, gears and general maintenance

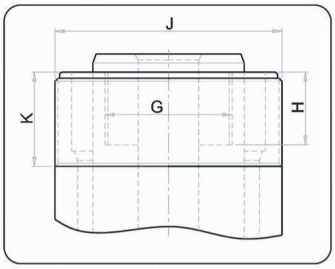
Plain saddle

Threaded saddle

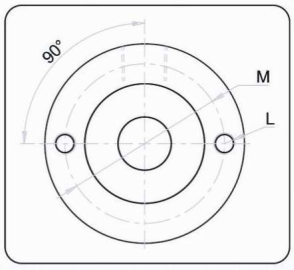


MT - RSHC Series

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD.	Bore Dia.	C'hole Dia.	Ram Dia.	Saddle Dia.	Weight (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	(kg)
10 (110)	50	**RSHC 10-50**	15.7	79	150	75	60	20	50	50	3.7
10 (110)	75	**RSHC 10-75**	15.7	118	175	75	60	20	50	50	4.2
10 (110)	100	**RSHC 10-100**	15.7	157	200	75	60	20	50	50	4.7
20 (231)	50	**RSHC 20-50**	33	165	155	105	85	27	75	73	8
20 (231)	50	**RSHC 20-100**	33	330	205	105	85	27	75	73	10.5
20 (231)	50	**RSHC 20-150**	33	495	255	105	85	27	75	73	12.5
30 (298)	50	**RSHC 30-50**	42.6	213	175	115	95	33	80	78	10.5
30 (298)	50	**RSHC 30-75**	42.6	320	200	115	95	33	80	78	11.5
30 (298)	50	**RSHC 30-100**	42.6	426	225	115	95	33	80	78	12.5
30 (298)	50	**RSHC 30-150**	42.6	639	275	115	95	33	80	78	14.5
50 (550)	75	**RSHC 50-75**	78.5	589	210	150	125	42	100	97	21
50 (550)	100	**RSHC 50-100**	78.5	785	235	150	125	42	100	97	22
60 (605)	75	**RSHC 60-75**	86.4	648	225	165	135	54	110	107	26
60 (605)	100	**RSHC 60-100**	86.4	864	250	165	135	54	110	107	28.5
60 (605)	150	**RSHC 60-150**	86.4	1296	300	165	135	54	110	107	33
100 (990)	75	**RSHC 100-75**	141.4	1060	245	215	180	77	150	146	45
100 (990)	100	**RSHC 100-100**	141.4	1414	270	215	180	77	150	146	48.5



Model	Ram Internal Thread	Thread Depth	Collar Threads	Length	Bottom Hole Size	PCD x No. of Holes
MT	G	H (mm)	J	K (mm)	L	M
RSHC 10	M42 X 2P	22	M75 X 2P	30	M8 X 15	60 X 2
RSHC 20	M56 X 2P	23	M105 X 2P	36	M10 X 17	65 X 2
RSHC 30	M64 X 2P	30	M115 X 2P	40	M10 X 17	90 X 2
RSHC 50	M80 X 2P	30	M150 X 2P	40	M12 X 18	125 X 2
RSHC 60	M90 X 2P	33	M165 X 2P	45	M12 X 20	135 X 2
RSHC 100	M120 X 2P	40	M215 X 2P	50	M16 X 24	180 X 2



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RSHR

Hollow Ram Jack - Plain Ram, Double Acting, Oil Return

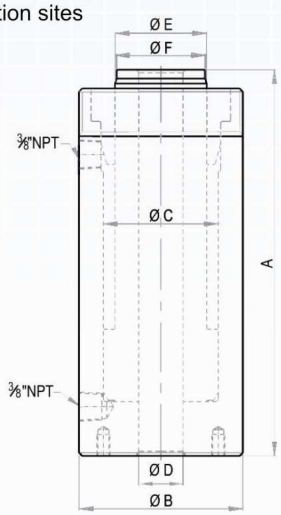
Capacity 10 - 150 ton / Stroke 50-150 mm / Max. Working Pressure 700 bar

Features / Application

- As hydraulic pullers with mechanical accessories for removing and assembling bearing bushes, pins, cylinder liners, pulling tubes of heat exchangers, gears and flanges of machinery
- As Bar / pre-stressing jacks at construction sites

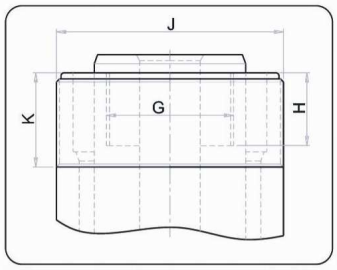
Plain saddle

Threaded saddle

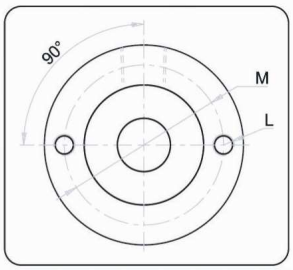


MT - RSHR Series

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD.	Bore Dia.	C'hole Dia.	Ram Dia.	Saddle Dia.	Weight (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	(kg)
10 (103)	75	**RSHR 10-75**	14.7	110	195	75	50	20	40	38	5.5
10 (103)	100	**RSHR 10-100**	14.7	147	220	75	50	20	40	38	6
20 (202)	50	**RSHR 20-50**	28.9	144	185	100	70	27	60	58	12
20 (202)	100	**RSHR 20-100**	28.9	289	235	100	70	27	60	58	14.5
20 (202)	150	**RSHR 20-150**	28.9	433	285	100	70	27	60	58	17
30 (309)	50	**RSHR 30-50**	44.2	221	200	115	85	33	70	67	13.5
30 (309)	100	**RSHR 30-100**	44.2	442	250	115	85	33	70	67	16
30 (309)	150	**RSHR 30-150**	44.2	663	300	115	85	33	70	67	19
50 (528)	100	**RSHR 50-100**	75.4	754	260	140	110	42	90	87	28
60 (614)	75	**RSHR 60-75**	91.6	687	245	155	125	54	100	97	27.5
60 (614)	100	**RSHR 60-100**	91.6	916	270	155	125	54	100	97	30
60 (614)	150	**RSHR 60-150**	91.6	1373	320	155	125	54	100	97	34.5
100 (990)	75	**RSHR 100-75**	156.1	1171	270	210	170	77	130	125	53
100 (990)	100	**RSHR 100-100**	156.1	1561	295	210	170	77	130	125	57
150 (1649)	150	**RSHR 150-150**	235.6	3534	350	245	200	80	150	147	95



Model	Ram Internal Thread	Thread Depth	Collar Threads	Length	Bottom Hole Size	PCD x No. of Holes
MT	G	H (mm)	J	K (mm)	L	M
RSHR 10	M30 X 2P	30	M75 X 2P	30	M8 X 12	60 X 2
RSHR 20	M42 X 2P	30	M100 X 3P	30	M10 X 17	75 X 2
RSHR 30	M52 X 2P	35	M115 X 3P	40	M10 X 17	90 X 2
RSHR 50	M68 X 2P	40	M140 X 3P	40	M12 X 20	110 X 2
RSHR 60	M72 X 2P	40	M155 X 3P	40	M12 X 20	125 X 2
RSHR 100	M95 X 2P	50	M210 X 3P	50	M16 X 24	165 X 2
RSHR 150	M105 X 2P	50	M245 X 4P	50	M16 X 24	200 X 2



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CUSTOMISED SOLUTIONS

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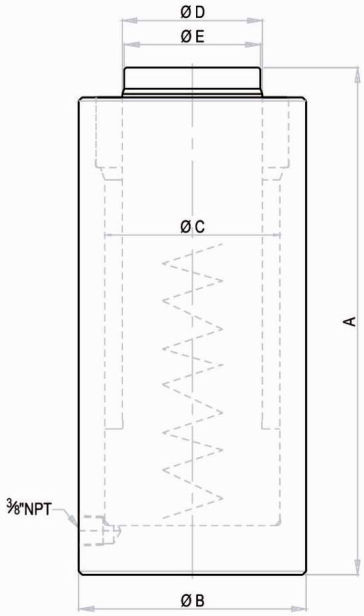
GASP

Alluminium General Purpose Jacks - Plain Ram, Single Acting, Spring Return

Capacity 30 - 200 ton / Stroke 150 mm / Max. Working Pressure 700 bar

Features / Application

- 50% lighter than a steel jack with 5000 duty cycles
- Used in horizontal and vertical directions
- Suits general lifting applications
- Composite guide rings at piston and gland nut facilitate to use in all directions when centrally loaded
- All sub assemblies anodized
- Base mounting holes are optional



Caution

Alluminium jacks have lower fatigue life due to material properties and should NOT be used in high cycle application.

Plain Saddle

MT - GASP Series

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD.	Bore Dia.	Ram Dia.	Saddle Dia.	Weight (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	(kg)
30 (309)	150	**GASP 30-150**	44.2	663	290	100	75	60	58	6
50 (550)	150	**GASP 50-150**	78.5	1178	300	135	100	80	78	8
100 (1077)	150	**GASP 100-150**	153.9	2309	320	190	140	110	108	23
150 (1589)	150	**GASP 150-150**	227	3405	345	230	170	140	138	34
200 (2199)	150	**GASP 200-150**	314.2	4713	370	270	200	160	158	50

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CUSTOMISED SOLUTIONS

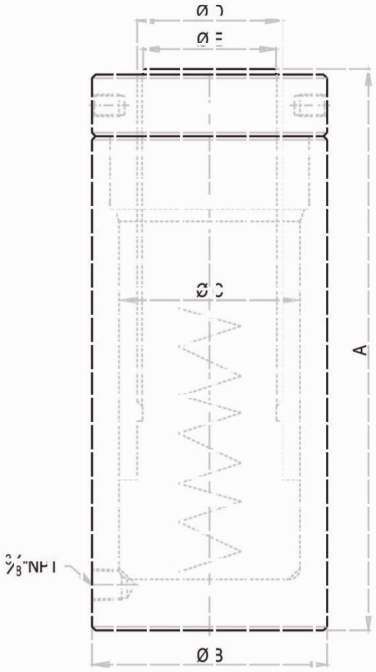
GAST

Alluminium General Purpose Jacks - Threaded Ram with Safety Lock Nut, Single Acting, Spring Return

Capacity 50 - 1000 ton / Stroke 150 - 250 mm / Max. Working Pressure 700 bar

Features / Application

- 50% lighter than a steel jack with 5000 duty cycles
- Used in horizontal and vertical directions
- Composite guide rings at piston and gland nut facilitate to use in all directions when centrally loaded
- All sub assemblies anodized
- Base mounting holes are optional
- Suits general lifting applications



Caution

Alluminium jacks have lower fatigue life due to material properties and should NOT be used in high cycle application.

Plain Saddle

MT - GAST Series

Capacity	Stroke	Model	Effective Area	Oil Cap.	Closed Height	Cylinder OD.	Bore Dia.	Ram Dia.	Saddle Dia.	Weight (Approx.)
Tons (kN)	(mm)	MT	cm. sq.	(cc)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	(kg)
30 (309)	150	**GAST 30-150**	44.2	663	305	100	75	60	55	6
50 (550)	150	**GAST 50-150**	78.5	1178	325	135	100	80	75	11
100 (1077)	150	**GAST 100-150**	153.9	2309	380	190	140	110	103	25
150 (1589)	150	**GAST 150-150**	227	3405	405	230	170	140	133	40
200 (2199)	150	**GAST 200-150**	314.2	4713	440	270	200	160	152	60

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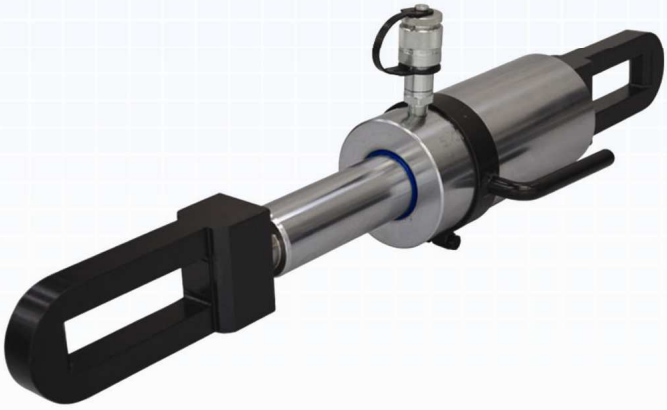
SPC

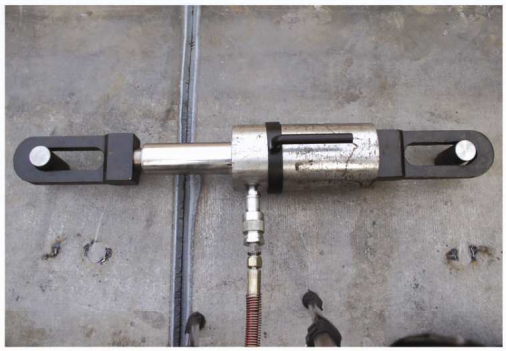
Pull Cylinders - Plain Ram, Single Acting, Spring Return

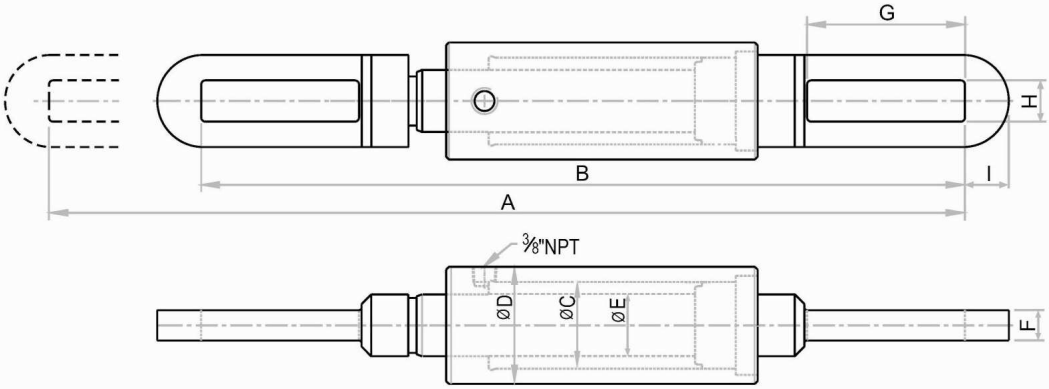
Capacity 10 - 30 ton / Stroke 150 mm / Max. Working Pressure 700 bar



Features / Application

- Replacement for Turn buckle mechanism for heavy loads
- Compression spring extends piston rod when pump pressure is release
- For pulling and tensioning in heavy fabrication and maintenance
- Useful in steel structural works and tensioning





MT - SPC Series: S - Spring Return P - Pull C - Cylinder

Capacity	Stroke	Model	Effective Area	Oil Capacity	Extended A	Closed Height B	Bore Dia. C	Ram Dia. E	Cylinder OD D	Link Thickness F	Slot Opening G	Slot Width H	Slot to Link End I	Wt. (Approx.)
Ton (kN)	(mm)	MT	(cm. Sq.)	(cc)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
10 (107)	150	**SPC 10-150**	15.3	230	691	541	63	45	85	22	115	30	32	14
20 (225)	150	**SPC 20-150**	32.1	485	770	620	85	56	115	28	125	40	36	28
30 (332)	150	**SPC 30-150**	47.4	715	820	670	100	63	135	32	132	45	40	48

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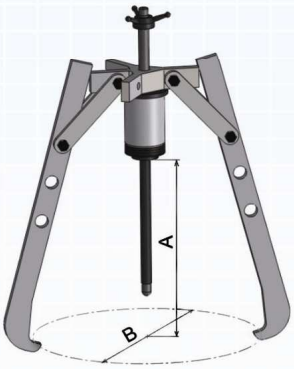
JPA - PPA

Hydraulic Puller Attachments

Max. Working Pressure 700 bar

Jaw Puller Attachment

Capacity 10 - 100 ton



TWO JAW PULLER

THREE JAW PULLER

Warning

Do not exceed 50% of cylinder capacity when using two jaw puller attachment.

Master Puller Set

MTHP - JPA Series

Model	No. of Jaws	Capacity	Cylinder Model	Stroke	Reach A	Spread B
MTHP		(tons)	MT	(mm)	(mm)	(mm)
JPA 10-2	2	10	RSHC 10-100	100	295	395
JPA 10-3	3	10	RSHC 10-100	100	295	395
JPA 20-2	2	20	RSHC 20-100	100	260	425
JPA 20-3	3	20	RSHC 20-100	100	260	425
JPA 30-2	2	30	RSHC 30-100	100	380	610
JPA 30-3	3	30	RSHC 30-100	100	380	610
JPA 50-2	2	50	RSHC 50-100	100	750	855
JPA 50-3	3	50	RSHC 50-100	100	750	855
JPA 100-2	2	100	RSHC 100-100	100	1040	1230
JPA 100-3	3	100	RSHC 100-100	100	1040	1230

Features / Application

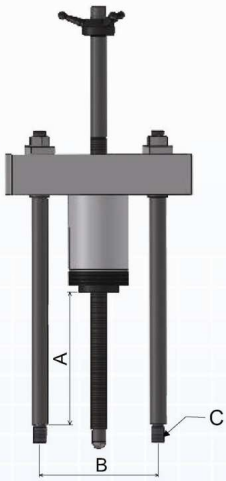
- Two and three jaw design
- High Strength drop forged steel jaws
- Jaws with adjustable reach and spread
- Maintenance of workshop equipment. Removal of wheels, pulleys, gears, sleeves and other press fit assemblies

Push Puller Attachment

Capacity 10 - 50 ton

Features / Application

- High strength tie rods
- Maintenance of workshop equipment. Removal of wheels, pulley, gears, sleeves and other press fit assemblies



MTHP - PPA Series

Model	Capacity	Cylinder Model	Stroke	Reach 'A' (mm)			Spread 'B' (mm)		End Threads 'C'
MTHP	(tons)	MT	(mm)	Short	Medium	Long	Min.	Max.	(mm)
PPA - 10	10	RSHC 10-100	100	NA	120	220	105	260	M16 X 2P
PPA - 20	20	RSHC 20-100	100	70	240	360	150	320	M16 X 2P
PPA - 30	30	RSHC 30-100	100	NA	230	485	160	410	M24 X 1.5P
PPA - 50	50	RSHC 50-100	100	NA	335	585	190	410	M32 X 2P

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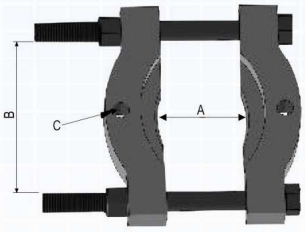
Hydraulic Puller Attachments

IPA -BPA

Max. Working Pressure 700 bar

Bearing Puller Attachment

Capacity 10 - 50 ton



Features / Application

- Knife edge gripping
- Adjustable spread by means of tie rod
- High strength forged steel construction
- Used for removal of bearing from shaft assemblies having less clearance, with push puller attachment

Warning

Do not exceed 50% of cylinder capacity when using bearing puller attachment.

MTHP - BPA Series

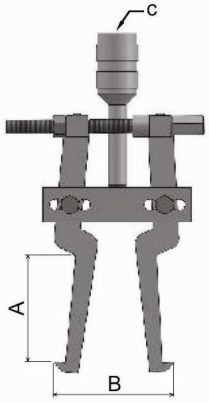
Model	Capacity	'A' (mm)		B'	Tap 'C'
MTHP	(tons)	Min.	Max.	(mm)	(mm)
BPA - 10	10	45	140	112	M16 X 2P
BPA - 20	20	68	185	150	M16 X 2P
BPA - 30	30	45	275	245	M24 X 1.5P
BPA - 50	50	65	270	328	M32 X 2P

Internal Puller Attachment

Capacity 10 - 30 ton

Features / Application

- Adjustable gap with turn buckle mechanism
- High strength forged steel construction
- Maintenance of workshop equipment. Finds special use in removal of bearing outer races, bushes, press fitted in housing



MTHP - IPA Series

Model	Capacity	A'	'B' (mm)		Tap 'C'
MTHP	(tons)	(mm)	Min.	Max.	(mm)
IPA - 10	10	100	50	150	M20 X 2.5P
IPA - 20	20	100	50	150	M27 X 3P
IPA - 30	30	105	75	225	M33 X 3P

Warning

Do not exceed 25% of cylinder capacity when using Internal puller attachment.

Hollow Jacks - Plain Ram, Single / Double Acting (

RSHC

RSHR

JACKS AND HAND PUMPS SUPPLIED WITH PULLER ATTACHMENTS

Capacity (ton)	Stroke (mm)	Model MT	Suitable Pump MT
10	100	RSHC 10-100	SHP - 1P4 - 2-1.4
20	100	RSHC 20-100	SHP - 1P4 - 2-1.4
30	100	RSHC 30-100	SHP - 1P4 - 2-1.4
50	100	RSHC 50-100	SHP - 2P4 - 2-5
100	100	RSHC 100-100	SHP - 2P4 - 2-5-E

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

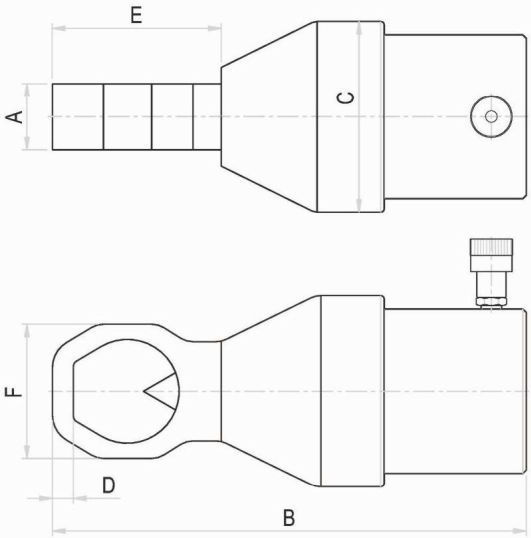
Nut Splitters (Straight Head)

NSSH

Range M10 - M90 / Max. Working Pressure 700 bar

Features / Application

- Designed to safely split seized / corroded nuts upto 44 HRC without damaging the bolt / stud by controlling the chisel movement
- Compact and straight head design with spring return piston
- Worn out chisel can be re-sharpened or replaced
- Useful where hot work is prohibited



MT - NSSH Series: N - Nut S - Splitter S - Straight H - Head 1018 - Nut Across Flat

Model MT	Stud Diameter		Nut A/F		A	B	C	D	E	F	Wt. (Approx)
	(mm)	(inch)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
NSSH-1636	M10-M24	3/8" - 7/8"	16-36	11/16" - 1 7/16"	38	271	105	10	92	66	14
NSSH-3651	M22-M33	7/8" - 1 1/4"	32-51	1 7/16" - 2"	38	287	108	13	109	86	15
NSSH-4660	M30-M39	1 1/8" - 1 1/2"	46-60	1 13/16'' - 2 3/8"	57	386	164	15	125	102	30
NSSH-5570	M36-M45	1 3/8" - 1 3/4"	55-70	2 3/16" - 2 3/4"	57	407	164	18	145	115	31
NSSH-7090	M45-M60	1 3/4" - 2 1/4"	70-90	2 3/4' - 3 1/2"	78	465	214	22	154	146	75
NSSH-80100	M52-M68	2" - 2 1/2"	80-100	3 1/8" - 3 7/8"	80	487	214	22	162	160	78
NSSH-95105	M64-M72	2 1/2" - 2 3/4"	95-105	3 7/8" - 4 1/4"	95	579	250	29	185	192	120
NSSH-105127	M72-M80	2 3/4" - 3 1/4"	105-127	4 1/4" - 5"	105	590	250	29	185	229	130
NSSH-115136	M80-M90	3 1/4" - 3 1/2"	115-130	5" - 5 3/8"	105	601	250	33	192	238	165

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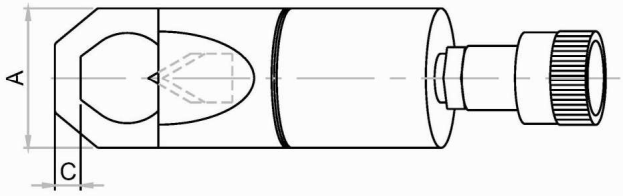
NSAH

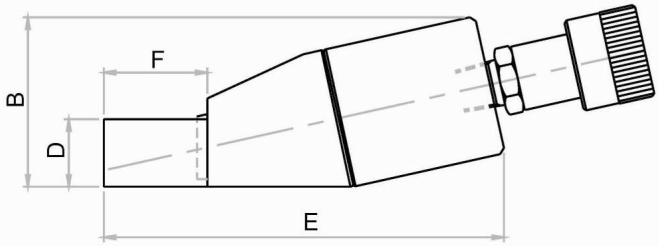
Nut Splitters (Angular Head)

Range M6 - M48 / Max. Working Pressure 700 bar

Features / Application

- Designed to safely split seized / corroded nuts upto 44 HRC without damaging the bolt / stud by controlling the chisel movement
- Compact and angled head design with spring return piston
- Worn out chisel can be re-sharpened or replaced
- Useful where hot work is prohibited





MT - NSAH Series: N - Nut S - Splitter A - Angular H - Head 1018 - Nut Across Flat

Model MT	Stud Diameter		Nut A/F		A	B	C	D	E	F	Wt. (Approx)
	(mm)	(inch)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
NSAH-1018	M6-M12	1/4" - 3/8"	10-18	1/2" - 11/16"	40	52	8	20	130	30	1
NSAH-1824	M12-M16	3/8" - 9/16"	18-24	11/16" - 15/16"	54	67	12	24	163	41	2
NSAH-2432	M16-M22	9/16" - 3/4"	24-32	15/16" - 1 1/4"	64	79	13	30	187	52	3
NSAH-3241	M22-M27	3/4" - 1"	32-41	1 1/4" - 1 5/8"	78	94	20	37	219	69	4.5
NSAH-4150	M27-M33	1" - 1 1/4"	41-50	1 5/8" - 2"	95	113	21	45	265	78	9.6
NSAH-5060	M33-M39	1 1/4" - 1 1/2"	50-60	2" - 2 3/8"	106	128	25	54	297	91	13
NSAH-7075	M39-M48	1 1/2" - 1 7/8"	60-75	2 3/8" - 2 15/16"	156	185	27	75	357	110	34

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

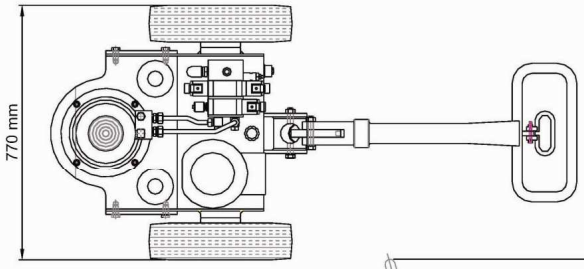
PEJ / PAJ

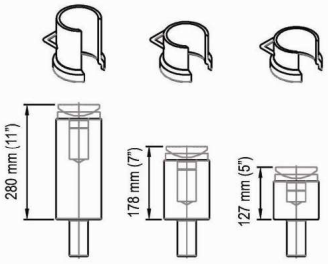
Portable High Tonnage Jacks

Capacity 30 - 200 ton / Stroke 200 -680 mm. Max. Working Pressure 700 bar

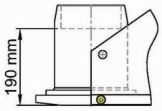
Features / Application

- Compact & Portable, Steel Alloy Construction
- Extension pieces / Bridges provided for additional reach
- Electric / Pneumatic Motor (Optional)
- Manual / Remote Pendant Control valve (Optional
- Suitable at Field & Dumper workshops for removal and fitment of Real & Front Wheels, Brakes overhaul, Final drives repairs, etc. of Heavy Mining Vehicles

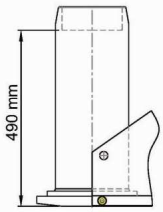




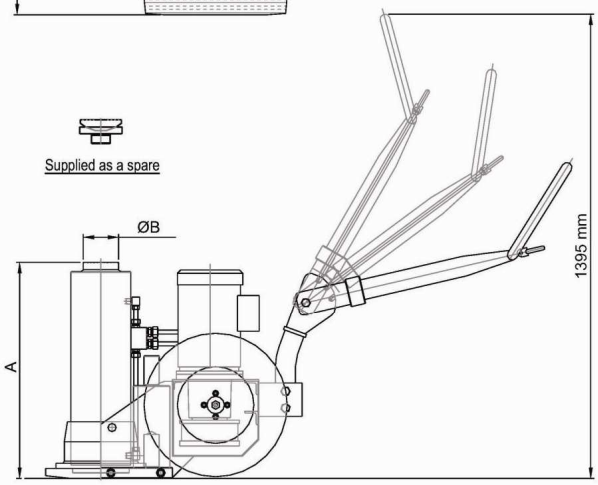
Stacking Pads and 'U' Rings



190 mm Bridge



490 mm Bridge



MT - PEJ Series: P - Portable High Tonnage E - Electric J -Jack
MT - PAJ Series: P - Portable High Tonnage A - Air J -Jack

Capacity	Stroke	Model	Min. Height A	Saddle Dia. B	Motor	Weight	Max. Ht. Using Optional Extensions		
							Stacking Pads and 'U'Rings	Bridge	
Tons (kN)	(mm)	MT	(mm)	(mm)		(kg)	(mm)	Extension 190 mm	Extension 490 mm
30 (309)	200	**PEJ 30-200**	395	53	**Electric**	110.6	**NA**	**NA**	**NA**
60 (792)	350	**PAJ 60-350**	560	87	**Air**	177.3	1145	750	1050
60 (792)	680	**PAJ 60-680**	890	87	**Air**	272.7	1475	1080	1380
60 (792)	350	**PEJ 60-350**	560	87	**Electric**	177.3	1145	750	1050
60 (792)	680	**PEJ 60-680**	890	87	**Electric**	272.7	1475	1080	1380
100 (1077)	400	**PAJ 100-400**	600	106	**Air**	231.8	1007	790	1090
100 (1077)	680	**PAJ 100-680**	900	106	**Air**	272.7	1307	1090	1390
100 (1077)	400	**PEJ 100-400**	600	106	**Electric**	231.8	1007	790	1090
100 (1077)	680	**PEJ 100-680**	900	106	**Electric**	272.7	1307	1090	1390
150 (1589)	400	**PAJ 150-400**	610	136	**Air**	259.1	1017	800	1100
150 (1589)	680	**PAJ 150-680**	905	136	**Air**	321.8	1312	1095	1395
150 (1589)	400	**PEJ 150-400**	610	136	**Electric**	259.7	1017	800	1100
150 (1589)	680	**PEJ 150-680**	905	136	**Electric**	321.8	1312	1095	1395
200 (2199)	400	**PAJ 200-400**	635	146	**Air**	290.9	**On Request**	825	1125
200 (2199)	680	**PAJ 200-680**	935	146	**Air**	375	**On Request**	1125	1425

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
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CE

Masko Tech

SINCE 1968

Portable High Tonnage Jacks

PEJ / PAJ

Capacity 50 - 100 ton / Stroke 250 -350 mm

Alloy Steel Construction - Four Point Hydraulic Jacking System For Lifting Casted Girders

SPECIFICATIONS:	
Capacity	75 Tons (754 kN)
Stroke	250 mm
Pumping Unit	5 HP Power Pack
Weight (Approx.)	530 kg
Max. Working Pressure	240 bar

Light Metal Construction - Telescopic

Features / Application

- Compact & Portable
- Construction - Light Metal
- Extension pieces provided for additional reach
- Suitable for Lifting of Rear & Front Wheels of Heavy Mining vehicles at field & dumper workshops

SPECIFICATIONS:	
Capacity (1st Stage)	60 Tons (768 kN)
Stroke (1st Stage)	280 mm
Capacity (2nd Stage)	30 Tons (300 kN)
Stroke (2nd Stage)	580 mm
Power Pack	2 HP Single Phase
Control	Push Button / Hand Lever
Weight Approx.	166 kg

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

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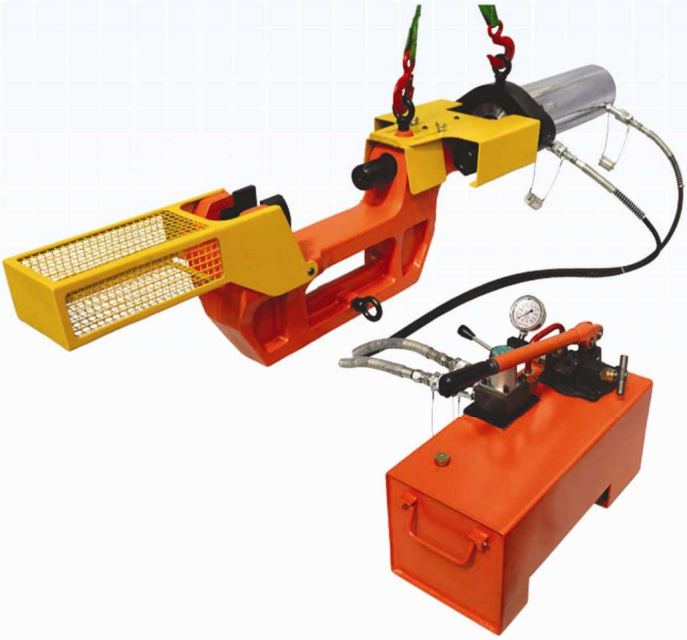
TPP

Track Link Pin Presses - 'C' Frame type (Removal / Installation)

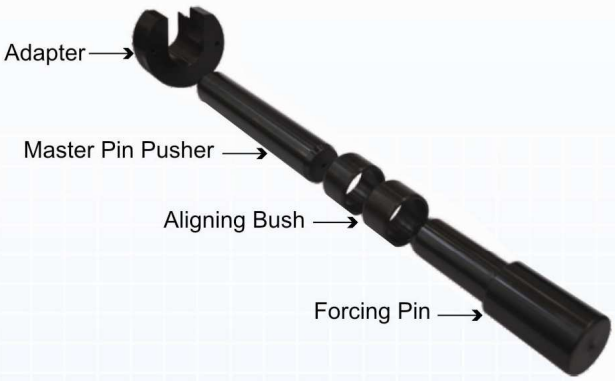
Capacity 50 - 100 ton / Stroke 250 -350 mm

Application / Features

- Compact and light weight design
- Overhaul and maintenance of track chains on site and workshop
- Developed tooling for track link pin size dia. 19mm to dia. 60mm
- Suitable for all brands of Earth moving equipment



ACCESSORIES



Flat Jack

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

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CE

Masko Tech
SINCE 1968

Track Link Pin Presses - 'C' Frame type (Removal / Installation)

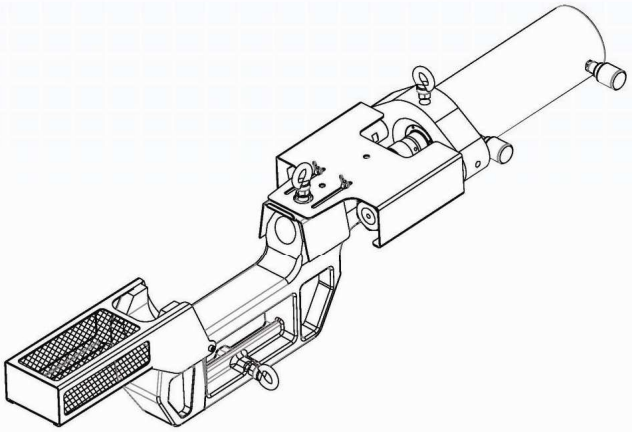
TPP

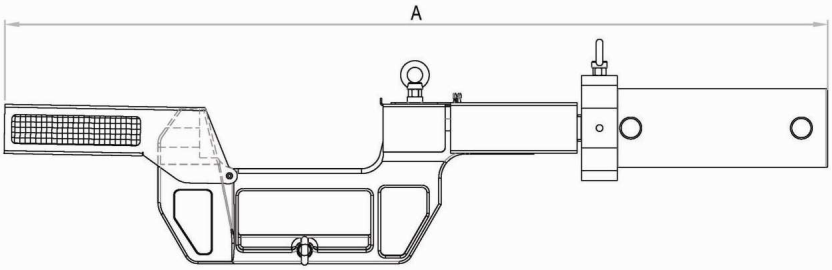
HYDRAULIC TOOLS

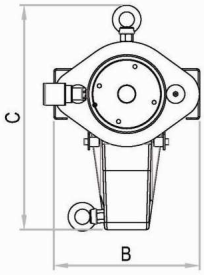
Capacity 50 - 100 ton / Stroke 250 -350 mm

Application / Features

- Removal and installation of Track Link Pins and Bushes
- Maintenance of track chains in workshop and on sites
- Suitable for all brands of Earth moving equipment
- Optional : Hand pump / Power Pack Unit operation and Sprocket puller







FRAME SPECIFICATIONS:

MT - TPP Series: T - Track Link P - Pin P - Pusher

Capacity	Stroke	Model	Overall Length (A)	Width (B)	Height (C)	Wt. (Approx.)	Suitable Hand Pump	Suitable Power Pack (Optional)
Ton (kN)	(mm)	MT	(mm)	(mm)	(mm)	(kg)	Model	Model
50 (496)	250	**TPP 50-250**	1405	1160	330	127	**MTSHP - 2P4 - 2-8000-G-E**	**MTPPU002053 / MTPPU002061**
100 (923)	350	**TPP 100-350**	1800	305	430	213	**MTSHP - 2P4 - 2-13000-G-E**	**MTPPU002053 / MTPPU002061**

Pumping Units (Optional)

HAND PUMP SPECIFICATIONS:

Pump Stage	Models	Pressure (bar)		Flow / Stroke (cc)		Oil Tank Capacity	Operation	Weight (Approx.)
	MT	1s Stage	2nd Stage	1st Stage	2nd Stage	(Liters)		(kg)
Two	**MTSHP - 2P4 - 2-8000-G-E**	30	700	49	2.8	8	Manual (Rotary DCV)	24
Two	**MTSHP - 2P4 - 2-13000-G-E**	30	700	49	2.8	13	Manual (Rotary DCV)	27

PIN DIMENSIONS:

Max. Diameter (mm)	
MT - TPP 50-250	MT - TPP 100-350
19.3 - 36.4	19.3 - 60.2

POWER PACK SPECIFICATIONS:

Motor	Oil Tank Capacity	Model	Pump Flow	Max. Working Pressure	Operation	Wt. (Approx.)
(HP / Phase)	(Liters)		(L/Min.)	(bar)		(kg)
2 / Single	20	**MTPPU002053**	1	650	Manual (Rotary DCV)	94
2 / Three	20	**MTPPU002061**	1	650	Manual (Rotary DCV)	94

Note: Single Phase - 110 / 230 Volts; Three Phase - 415 Volts

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

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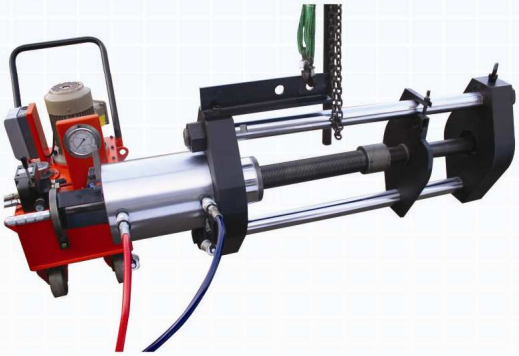
TPP

Track Link Pin Remover / Installer

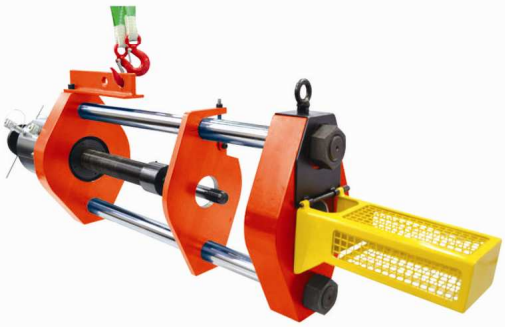
- Capacity : 150 ton
- Stroke : 150mm

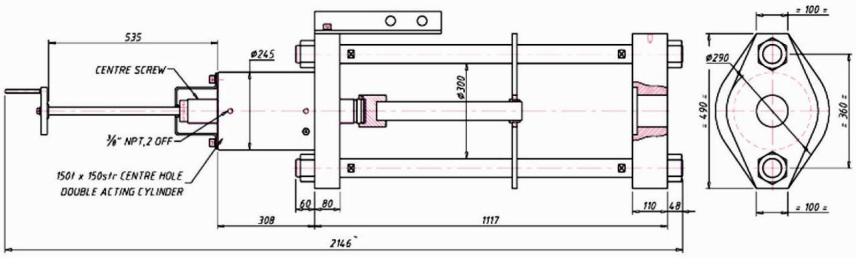
Max. Working Pressure 700 bar



Features / Application

- Removal and Installation of Track Link Pins and Bushes
- Maintenance of track chains in workshops and on sites
- Suitable for all brands of Earth moving equipment
- **Optional:** Hand pump / Power Pack Unit operation and Sprocket puller





FRAME SPECIFICATIONS:

MT - TPP Series: T - Track Link P - Pin P - Pusher

Capacity	Stroke	Model	Overall Length (A)	Width (B)	Height (C)	Wt. (Approx.)	Suitable Hand Pump	Suitable Power Pack (Optional)
Ton	(mm)	MT	(mm)	(mm)	(mm)	(kg)	Model	Model
150	150	**TPP 150-150H**	1985	360	490	316	**MTSHP - 2P4 - 2-8000-G-E**	**MTPPU003104 / MTPPU003103**

Pumping Units (Optional)

HAND PUMP SPECIFICATIONS:

Pump Stage	Models	Pressure (bar)		Flow / Stroke (cc)		Oil Tank Capacity	Operation	Weight (Approx.)
	MT	1s Stage	2nd Stage	1st Stage	2nd Stage	(Liters)		(kg)
Two	**MTSHP - 2P4 - 2-8000-G-E**	30	700	49	2.8	8	Manual (Rotary DCV)	20.5

POWER PACK SPECIFICATIONS:

Motor	Oil Tank Capacity	Model	Pump Flow	Max. Working Pressure	Operation	Wt. (Approx.)
(HP / Phase)	(Liters)		(L/Min.)	(bar)		(kg)
3 / Single-Three	20	**MTPPU003104 / MTPPU003103**	1.5	600	Manual (Rotary DCV)	80

Note: Single Phase - 110 / 230 Volts; Three Phase - 415 Volts

Sprocket Puller Attachment is optional

PIN DIMENSIONS:

Max. Diameter (mm)	
MT - TPP 150-150H	
53 - 70	311 - 365

Note : Sprocket Puller Attachment is Optional

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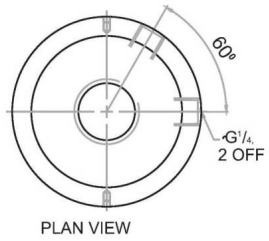
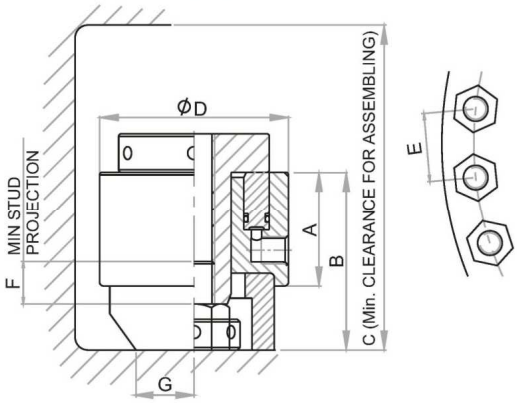
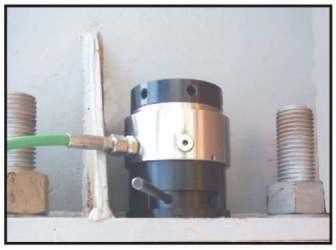
MTBT

Stud Bolt Tensioners

Range M16 - M150 ($^3/_4$" - 5 $^3/_4$") Max. Working Pressure 1500 bar







Application

- Suitable for pre-loading and de-tensioning of bolts and studs on flanges of Pressure Vessels, Boiler Feed Pumps, Compressor Covers, Heat Exchanger and Pipelines requiring uniform loading
- Particularly beneficial on applications requiring uniform joint loading
- Used in Steel, Cement, Power and Process Plant, Oil and Gas Plants and Heavy Engineering
- Tensioners compatible to standard flanges.
- Pumping units and accessories sourced from reputed brands

MTBT Series: MT - MaskoTech B - Bolt T - Tensioner 15 - Series 24 - Capacity / Tons 16 - Thread Size

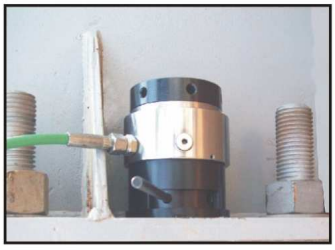
Model	Bolt / Stud Size		Model	Capacity	Stroke	Effective Area	Dimensions (mm)							Wt. (Approx.)
(Metric)	(Metric)	(Inch)	(Imperial)	Tons (kN)	(mm)	(sq. cm.)	A	B	C	D	E	F	G	(kg)
MTBT 15-24-16	M16	NA	NA	24 (113)	10	16.2	62	90	168	75	47	16	29	1.5
MTBT 15-24-18	M18	3/4"	MTBT 15-24-075	24 (113)	10	16.2	62	90	168	75	49	18	29	1.5
MTBT 15-24-20	M20	NA	NA	24 (113)	10	16.2	62	90	168	75	51	20	29	1.5
MTBT 15-24-22	M22	7/8"	MTBT 15-24-087	24 (113)	10	16.2	62	90	168	75	56	22	31	1.5
MTBT 15-24-24	M24	1"	MTBT 15-24-100	24 (113)	10	16.2	62	90	168	75	59	24	31	1.5
MTBT 15-24-27	M27	1 1/8"	MTBT 15-24-112	24 (113)	10	16.2	62	90	168	75	61	27	31	1.5
MTBT 15-50-30	M30	NA	NA	50 (227)	15	32.4	60	106	187	102	72	30	36	2.5
MTBT 15-50-33	M33	1 1/4"	MTBT 15-50-125	50 (227)	15	32.4	60	106	187	102	74	33	36	2.5
MTBT 15-50-36	M36	1 3/8"	MTBT 15-50-137	50 (227)	15	32.4	60	106	187	102	77	36	36	2.5
MTBT 15-50-39	M39	1 1/2"	MTBT 15-50-150	50 (227)	15	32.4	60	106	187	102	80	39	36	2.5
MTBT 15-90-42	M42	1 5/8"	MTBT 15-90-162	90 (418)	15	59.7	60	120	208	133	95	42	48	4.2
MTBT 15-90-45	M45	1 7/8"	MTBT 15-90-187	90 (418)	15	59.7	60	120	208	133	98	45	48	4.2
MTBT 15-90-48	M48	1 7/8"	MTBT 15-90-187	90 (418)	15	59.7	60	120	208	133	100	48	48	4.2
MTBT 15-90-52	M52	2"	MTBT 15-90-200	90 (418)	15	59.7	60	120	208	133	104	52	48	4.2
MTBT 15-125-48	M48	1 7/8"	MTBT 15-125-187	125 (581)	15	83	62	135	231	163	105	48	51	6.4
MTBT 15-125-52	M52	2"	MTBT 15-125-200	125 (581)	15	83	62	135	231	163	108	52	51	6.4
MTBT 15-125-56	M56	2 1/4"	MTBT 15-125-225	125 (581)	15	83	62	135	231	163	120	56	61	6.4
MTBT 15-125-60	M60	NA	NA	125 (581)	15	83	62	135	231	163	124	60	61	6.4
MTBT 15-125-64	M64	2 1/2"	MTBT 15-125-250	125 (581)	15	83	62	135	231	163	124	64	61	6.4
MTBT 15-185-64	M64	2 1/2"	MTBT 15-185-250	185 (861)	15	123	62	150	254	193	134	64	67	9
MTBT 15-185-68	M68	NA	NA	185 (861)	15	123	62	150	254	193	136	68	67	9
MTBT 15-185-72	M72	2 3/4"	MTBT 15-185-275	185 (861)	15	123	62	150	254	193	139	72	67	9
MTBT 15-185-76	M76	3"	MTBT 15-185-300	185 (861)	15	123	62	150	254	193	142	76	67	9
MTBT 15-265-76	M76	3"	MTBT 15-265-300	265 (1232)	15	176	73	180	286	233	158	76	78	15.3
MTBT 15-265-80	M80	NA	NA	265 (1232)	15	176	73	180	286	233	160	80	78	15.3
MTBT 15-265-85	M85	3 1/4"	MTBT 15-265-325	265 (1232)	15	176	73	180	286	233	162	85	78	15.3
MTBT 15-265-90	M90	3 1/2"	MTBT 15-265-350	265 (1232)	15	176	73	180	286	233	170	90	78	15.3
MTBT 15-265-95	M95	3 3/4"	MTBT 15-265-375	265 (1232)	15	176	73	180	286	233	184	95	95	15.3
MTBT 15-265-100	M100	4"	MTBT 15-265-400	265 (1232)	15	176	73	180	286	233	190	100	95	15.3

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

MTBT

Stud Bolt Tensioners

Range M16 - M150 ($^{3}/_{4}$" - 5 $^{3}/_{4}$") Max. Working Pressure 1500 bar



Application

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- Particularly beneficial on applications requiring uniform joint loading
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- Tensioners compatible to standard flanges.
- Pumping units and accessories sourced from reputed brands

MTBT Series: MT - MaskoTech B - Bolt T - Tensioner 15 - Series 42 5 - Capacity / Tons 375 - Thread Size

Model	Bolt / Stud Size		Model	Capacity	Stroke	Effective Area	Dimensions (mm)							Wt. (Approx.)
(Metric)	(Metric)	(Inch)	(Imperial)	Tons (kN)	(mm)	(sq. cm.)	A	B	C	D	E	F	G	(kg)
NA	NA	3 3/4"	MTBT 15-385-375	385 (1751)	15	250.2	90	197	335	285	220	95	120	31.7
MTBT 15-385-100	100	NA	NA	385 (1751)	15	250.2	90	197	335	285	222	100	120	31.7
NA	NA	4"	MTBT 15-385-400	385 (1751)	15	250.2	90	197	335	285	222	100	120	31.7
NA	NA	4 1/4"	MTBT 15-385-425	385 (1751)	15	250.2	90	197	335	285	228	110	120	31.7
MTBT 15-385-110	110	NA	NA	385 (1751)	15	250.2	90	197	335	285	228	110	120	31.7
NA	NA	4 1/2"	MTBT 15-385-450	385 (1751)	15	250.2	90	197	335	285	230	115	120	31.7
MTBT 15-385-120	120	NA	NA	385 (1751)	15	250.2	90	197	335	285	236	120	120	31.7
NA	NA	4 3/4"	MTBT 15-385-475	385 (1751)	15	250.2	90	197	335	285	236	120	120	31.7
MTBT 15-385-125	125	NA	NA	385 (1751)	15	250.2	90	197	335	285	242	125	120	31.7
MTBT 15-485-125	125	NA	NA	485 (2218)	15	316.9	93	220	390	325	262	125	141	43.5
NA	NA	5"	MTBT 15-485-500	485 (2218)	15	316.9	93	220	390	325	262	130	141	43.5
MTBT 15-485-130	130	NA	NA	485 (2218)	15	316.9	93	220	390	325	265	130	141	43.5
NA	NA	5 1/4"	MTBT 15-485-525	485 (2218)	15	316.9	93	220	390	325	268	130	141	43.5
NA	NA	5 1/2"	MTBT 15-485-550	485 (2218)	15	316.9	93	220	390	325	270	140	141	43.5
MTBT 15-485-140	140	NA	NA	485 (2218)	15	316.9	93	220	390	325	275	140	141	43.5
NA	NA	5 3/4"	MTBT 15-485-575	485 (2218)	15	316.9	93	220	390	325	278	145	141	43.5
MTBT 15-485-150	150	NA	NA	485 (2218)	15	316.9	93	220	390	325	280	150	141	43.5

- Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.
- Capacity and stroke specified are maximum safe limits. As safe practice, use at 80% of rating.

CE

Masko Tech
SINCE 1968

Hydraulic Hand Pumps (Steel - Single / Two Stage)

Working Pressure upto 700 bar

SHP

HYDRAULIC PUMPS

Features

- Construction graded steel
- Ground and plated plungers
- Built-in- factory set safety relief valve
- Durable polyurethane plunger seal
- Single Stage Pumps (Single plunger) for smaller capacity jacks
- Two Stage Pumps (Two plungers) fast approach to load
- Compatible to all reputed brand jacks
- Available in 350, 1000, 1600 and 2800 bar

Single Stage
MTSHP - 1P4 -2

Two Stage
MTSHP - 3P4 - 2-3000

Pump Stage	Models	Pressure (kg/sq.cm.)		Flow / Stroke (cc)		Filling Capacity	Usable Oil	Handle Effort	Dry Weight
	MT	1s Stage	2nd Stage	1st Stage	2nd Stage	(Liters)	(Liters)	(kg)	(kg)
Single	SHP - 1P4 -2-1500	NA	700	NA	2.8	1.5	1	40	7.4
	SHP - 1P4 -2-2000	NA	700	NA	2.8	2	1.5	40	9.5
	SHP - 1P4 - 2-4000	NA	700	NA	2.8	4	2.9	40	10.5
Two	SHP - 3P4 - 2-3000	30	700	17	2.8	3	1.9	40	12.5

Two Stage

MTSHP - 2P4 - 2-5000
(with pressure gauage assembly)

MTSHP - 2P4 - 2-8000
(with pressure gauage assembly)

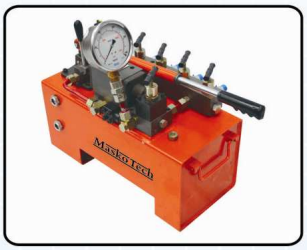
MTSHP - 2P4 - 2-13000
(Customized - Manifold Block with Pressure Gauge)

MTSHP - 2P4 - 2-8000
(**Customized** - Load holding valve with Pressure Gauge)

Pump Stage	Models	Pressure (kg/sq.cm.)		Flow / Stroke (cc)		Filling Capacity	Usable Oil	Handle Effort	Dry Weight
	MT	1s Stage	2nd Stage	1st Stage	2nd Stage	(Liters)	(Liters)	(kg)	(kg)
Two	SHP - 2P4 - 2-5000	30	700	49	2.8	5	3.5	40	18.5
	SHP - 2P4 - 2-8000	30	700	49	2.8	8	7.5	40	20
	SHP - 2P4 - 2-13000	30	700	49	2.8	13	11	40	24.5
	SHP - 2P4 - 2-20000	30	700	49	2.8	20	16	40	28

• Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.

CUSTOMISED SOLUTIONS



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AHP

Hydraulic Hand pumps (Alluminium - Two Stage) NEW !

Working Pressure 700 - 1600 - 2800 bar

Features

- Construction Alluminium
- Ground and plated plungers
- Built-in- factory set safety relief valve
- Durable polyurethane plunger seal
- Single Stage Pumps (Single plunger) for smaller capacity jacks
- Two Stage Pumps (Two plungers) fast approach to load
- Compatible to all reputed brand jacks
- Available in 350 and 1000 bar

MTAHP - 3P4 - 2 -2000
(Suitable for Smaller Jacks)

W.P.: 700 bar

Pump Stage	Models	Pressure (kg/sq.cm.)		Flow / Stroke (cc)		Filling Capacity	Usable Oil	Handle Effort	Dry Weight
	MT	1s Stage	2nd Stage	1st Stage	2nd Stage	(Liters)	(Liters)	(kg)	(kg)
Two	AHP - 3P4 - 2-1500	30	700	15	2.8	1.5	1	40	4
	AHP - 3P4 - 2-2000	30	700	15	2.8	2	1.5	40	4.7
	AHP - 3P4 - 2-3000	30	700	15	2.8	3	1.9	40	5.3
	AHP - 3P4 - 2-4000	30	700	15	2.8	4	3.5	40	6.2

MTAHP - 3P4 - 2-4000
(Suitable for Standard Jacks up to 100 Tons))

W.P.: 1600 bar

Pump Stage	Models	Pressure (kg/sq.cm.)		Flow / Stroke (cc)		Filling Capacity	Usable Oil	Handle Effort	Dry Weight
	MT	1s Stage	2nd Stage	1st Stage	2nd Stage	(Liters)	(Liters)	(kg)	(kg)
Two	AHP - 3P2 - 6-1500	30	1600	15	1.2	1.5	1	40	4
	AHP - 3P2 - 6-2000	30	1600	15	1.2	2	1.5	40	4.7

MTAHP - 3P4 - 2-4000
(Suitable for Double Acting Std. Jacks)

W.P.: 2800 bar

Pump Stage	Models	Pressure (kg/sq.cm.)		Flow / Stroke (cc)		Filling Capacity	Usable Oil	Handle Effort	Dry Weight
	MT	1s Stage	2nd Stage	1st Stage	2nd Stage	(Liters)	(Liters)	(kg)	(kg)
Two	AHP - 3P6 - 7-1500	30	2800	15	0.7	1.5	1	40	4
	AHP - 3P6 - 7-2000	30	2800	15	0.7	2	1.5	40	4.7

• Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.

CUSTOMISED SOLUTIONS

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PPU
Hydraulics Power Packs

Working Pressure 700 bar

Features
- Hydraulic elements, tube fittings, tank accessories and electricals of reputed make
- Robust design with aesthetics and easy to maintain
- Compatible to all reputed brand jacks / cylinders
- Options available : Hand lever / Solenoid (Push button)
- Wheels for easy handling
- Voltages : 110V -220V - 415V A/C, 50Hz

Single Phase

2M - 2HP Single Phase H- Hand Lever Operated S - Single Pump
P -Push Button Operated D- Double Pump

Motor HP Single Phase	Oil Tank Capacity (Liters)	Model	Flow Up to 150 bar (L/Min.)	Flow above 150 bar (L/Min.)	Usable Oil Capacity (Liters)
2	20	MTPPU - 2M - 20 - HS	NA	1	12
3	40	MTPPU - 3M - 40 - HS	NA	5	25
2	40	MTPPU - 2M - 40 - HD	4.8	1	25
3	40	MTPPU - 3M - 40 - HD	7.3	5	25
2	40	MTPPU - 2M - 40 - PD	4.8	1	25
3	40	MTPPU - 3M - 40 - PD	7.3	5	25

Three Phase

2M - 2HP Single Phase H- Hand Lever Operated S - Single Pump
P -Push Button Operated D- Double Pump

Motor HP Single Phase	Oil Tank Capacity (Liters)	Model	Flow Up to 150 bar (L/Min.)	Flow above 150 bar (L/Min.)	Usable Oil Capacity (Liters)
2	20	MTPPU - 2 - 20 - HS	NA	1	12
3	40	MTPPU - 3 - 40 - HS	NA	1.5	25
5	50	MTPPU - 5 - 50 - HS	NA	2.5	35
7.5	80	MTPPU - 7.5 - 80 - HS	NA	3.7	55
2	40	MTPPU - 2 - 40 - HD	4.8	1	25
3	40	MTPPU - 3 - 40 - HD	7.3	1.5	25
5	50	MTPPU - 5 - 50 - HD	12.3	2.5	35
7.5	80	MTPPU - 7.5 - 80 - HD	17.3	3.7	55
2	40	MTPPU - 2 - 40 - PD	4.8	1	25
3	40	MTPPU - 3 - 40 - PD	7.3	1.5	25
5	50	MTPPU - 5 - 50 - PD	12.3	2.5	35
7.5	80	MTPPU - 7.5 - 80 - PD	17.3	3.7	55

• Higher capacity and customized solution on request. • specifications are subject to change due to continual improvement.

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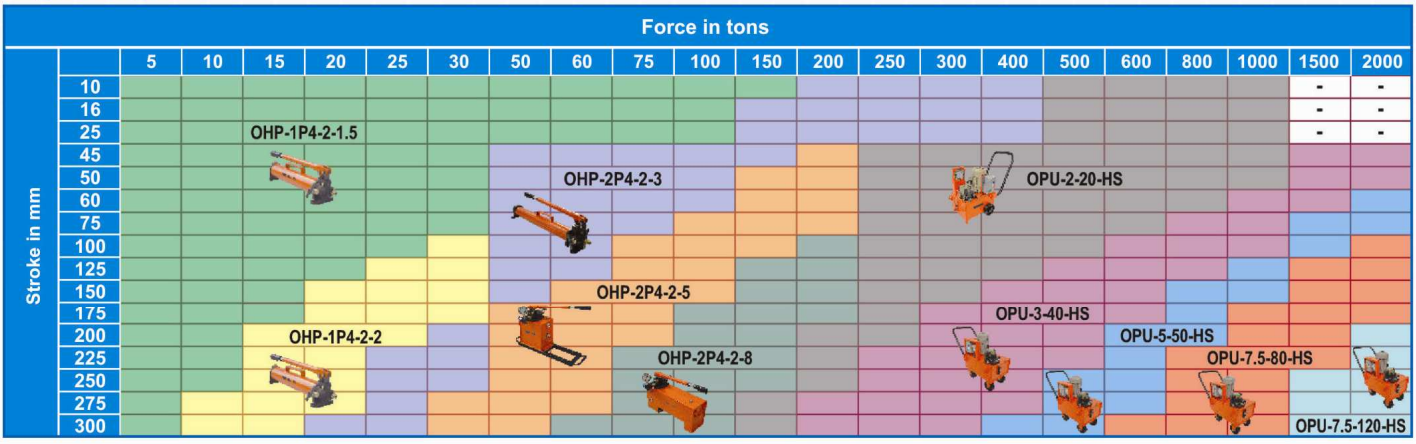
How to Choose Suitable Pump

Working Pressure 700 bar

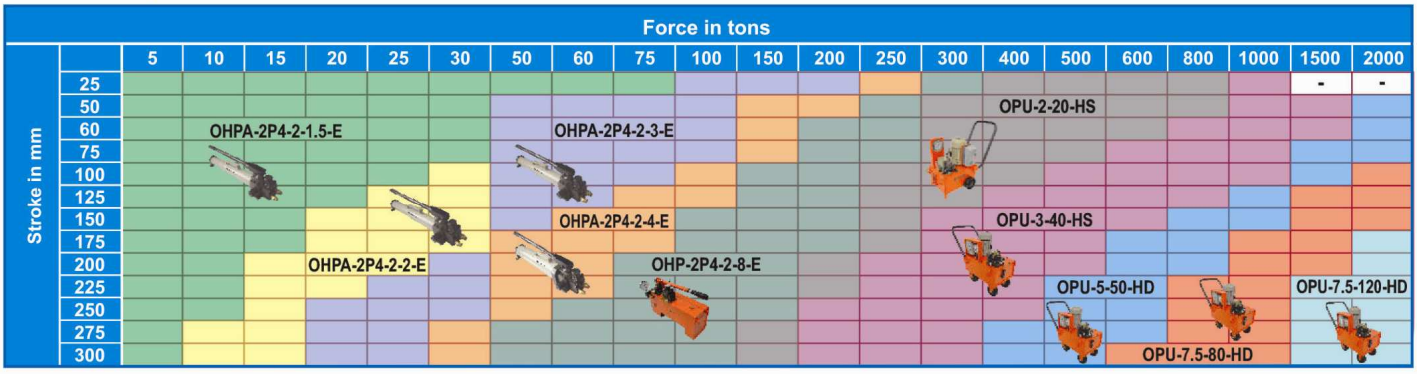
Selection of Pump based on its Tank Capacity

Below chat will help identify suitable pump to operate jacks which includes oil volume in hose pipes. Upto 100t, 2m hose and 150t & above, 4m hose is considered. Coloured areas indicate the proposed pump based on jack capacity and stroke.

Single Acting Jack



Double Acting Jack



Selection of Pump based on Speed of Hydraulic Jack

HAND PUMP

Piston Stroke in mm for each pump Handle Stroke

Pump Type	Force (in tons)												
	Pressure Stage	5	10	15	20	25	30	50	60	75	100	150	200
MTSHP - 1P4 - 2	SINGLE	3.5	1.8	1.2	0.9	0.7	0.6	0.4	0.3	0.2	NA	NA	NA
MTAHP - 2P4 - 2	1st STAGE	18.8	9.4	6.3	4.8	3.9	3.4	1.9	1.7	1.3	1	0.7	0.5
MTAHP - 2P4 - 2	2nd STAGE	3.5	1.8	1.2	0.9	0.7	0.6	0.4	0.3	0.2	0.2	0.1	0.1
MTSHP - 2P4 - 2	1st STAGE	61.3	30.8	20.6	15.7	12.7	11.1	6.2	5.7	4.3	3.2	2.2	1.6
MTSHP - 2P4 - 2	2nd STAGE	3.5	1.8	1.2	0.9	0.7	0.6	0.4	0.3	0.2	0.2	0.1	0.1

POWER PACK UNIT

Piston Speed in mm per second

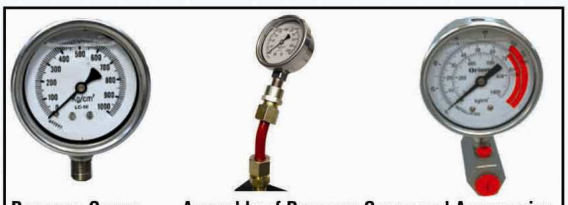
Pump Type	Force (in tons)															
	Pressure Stage	50	60	75	100	150	200	250	300	400	500	600	800	1000	1500	2000
MTPPU - 2 - HS	SINGLE	2.1	1.9	1.5	1.1	0.7	0.5	0.4	0.4	0.3	0.2	0.2	NA	NA	NA	NA
MTPPU - 3 - HS	SINGLE	3.2	2.9	2.2	1.6	1.1	0.8	0.7	0.6	0.4	0.4	0.3	NA	NA	NA	NA
MTPPU - 5 - HS	SINGLE	5.5	5	3.8	2.8	1.9	1.4	1.1	1	0.8	0.6	0.5	NA	NA	NA	NA
MTPPU - 2 - HD	1st STAGE	10.2	9.3	7.1	5.2	3.5	2.5	2.1	1.8	1.4	1.1	0.9	NA	NA	NA	NA
MTPPU - 2 - HD	2nd STAGE	2.1	1.9	1.5	1.1	0.7	0.5	0.4	0.4	0.3	0.2	0.2	NA	NA	NA	NA
MTPPU - 3 - HD	1st STAGE	15.5	14.1	10.8	7.9	5.4	3.9	3.2	2.7	2.1	1.7	1.4	1.1	0.9	NA	NA
MTPPU - 3 - HD	2nd STAGE	3.2	2.9	2.2	1.6	1.1	0.8	0.7	0.6	0.4	0.4	0.3	0.2	0.2	NA	NA
MTPPU - 5 - HD	1st STAGE	NA	NA	18.1	13.3	9	6.5	5.4	4.5	3.6	2.9	2.4	1.8	1.4	0.9	0.7
MTPPU - 5 - HD	2nd STAGE	NA	NA	3.7	2.7	1.8	1.3	1.1	0.9	0.7	0.6	0.5	0.4	0.3	0.2	0.1
MTPPU - 7.5 - HD	1st STAGE	NA	NA	NA	18.7	12.7	9.2	7.6	6.4	5	4.1	3.4	2.5	2	1.3	1
MTPPU - 7.5 - HD	2nd STAGE	NA	NA	NA	4	2.7	2	1.6	1.4	1.1	0.9	0.7	0.5	4	0.3	0.2

Accessories

Max. Working Pressure 700 bar. Max Flow rate 30 l/min.

Pressure Gauge & Gauge Accessories

Model	Gauge Description
MTPG - 63 -980	Pressure Guage Dia. 63, 0 - 980 bar, Glycerin Filled
MTPG - 100 - 980	Pressure Guage Dia. 100, 0 - 980 bar, Glycerin Filled
MTPG - 100 - 2000	Pressure Guage Dia. 100, 0 - 2000 bar, Glycerin Filled
MTPG - 100 - 2800	Pressure Guage Dia. 100, 0 - 2800 bar, Glycerin Filled
MTPG - 100 - 4000	Pressure Guage Dia. 100, 0 - 4000 bar, Glycerin Filled
MTGA - N14F	Gauge Adptor BSP 1/4" (F) Gauge, NPT 3/8" (F) X BSP 1/4" (M)
MTGA - N38F	Gauge Adptor BSP 3/8" (F) Gauge, NPT 3/8" (F) X BSP 1/4" (M)
MTGT - 14F	Taper Gauge Adaptor NPT 1/4" (F) Gauge, NPT 3/8" (F) X BSP 1/4" (F)
MTGT - 38F	Taper Gauge Adaptor NPT 3/8" (F) Gauge, NPT 3/8" (F) X BSP 1/4" (F)
MTGS - N14F	Gauge Adaptor with Stand Pipe NPT 1/4" (F)
MTGS - N38F	Gauge Adaptor with Stand Pipe NPT 3/8" (F)



Pressure Gauge — Assembly of Pressure Gauge and Accessories

MTGA-N14F / MTGA - N38F — MTGT - 14F & MTGT - 38F — MTGS - N14F or MTGS - N38F

Quick Disconnect Coupler

MTQC - 3/8 - DC : QC - Quick Disconnect Coupler 38 - 3/8 NPT DC - Dust Cap 14 - 1/4 BSP

Model	Coupler Description
MTQC - 3/8 - DC	Quick Disconnect Coupler with Aluminum Dust Caps, 3/8" NPT
MTQC - 3/8	Quick Disconnect Coupler without Aluminum Dust Caps
MTQC - 1/4 - DC	Quick Disconnect Coupler with Aluminum Dust Caps, 1/4" BSP

MTQC - 3/8 - DC — MTQC - 3/8 — MTQC - 14 - DC

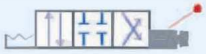
Control Valves

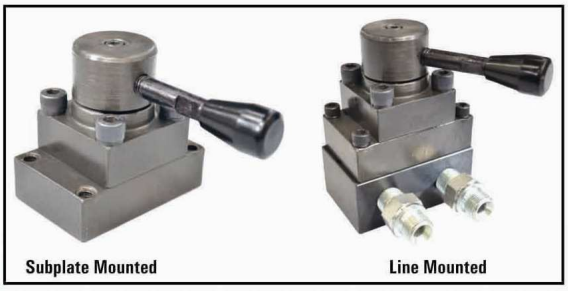
Model	Valve Description
MTSV - N3/8M - N3/8F	Line Mounted Shut Off Valve 3/8" NPT (M) x 3/8" NPT (F)
MTSV - N14F - N14F	Line Mounted Shut Off Valve 1/4" NPT (F) x 1/4" NPT (F)
MTNV - S06	Sub-Plate Mounted Needle Valve 06 - Size
MTLHV - 3/8F	Load Holding Valve 3/8" NPT (F)
MTRRV - 1/4M	Return Line Relief Valve 1/4" NPT (M)

MTSV - N3/8M -N3/8F — MTSV - N14F -N14F — MTNV - S06

MTLHV - 3/8F — MTRRV - 1/4M

Aluminum Rotary Directional Control Valves

Model	Valve Type	Mounting	Symbol
MTRD - 4 - S - G	4 - Way/3 - Position, Tandem Centre & Position Lock Spool Type	Sub - Plate	
MTRD - 4 - S - E	4 - Way/3 - Position, Closed Centre & Position Lock	Sub - Plate	
MTRD - 4 - T - G	4 - Way/3 - Position, Tandem Centre & Position Lock Spool Type	Line Mounted	
MTRD - 4 - T - E	4 - Way/3 - Position, Closed Centre & Position Lock	Line Mounted	



Subplate Mounted — Line Mounted

• specifications are subject to change due to continual improvement.

CUSTOMISED SOLUTIONS

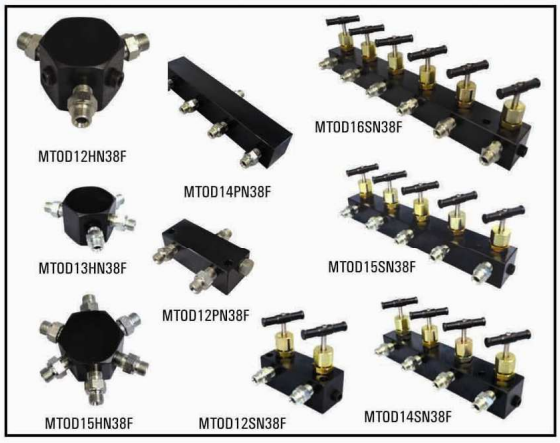
Accessories

Max. Working Pressure 700 bar. Max Flow rate 30 l/min.

Manifold Block (Oil Distributor)

MTOD12HN384 : OD - Oil Distributor 12 - 1 by 2 H - Hex N - NPT
38 - 3/8" F - Female P - Plain S - Shut Off Valve

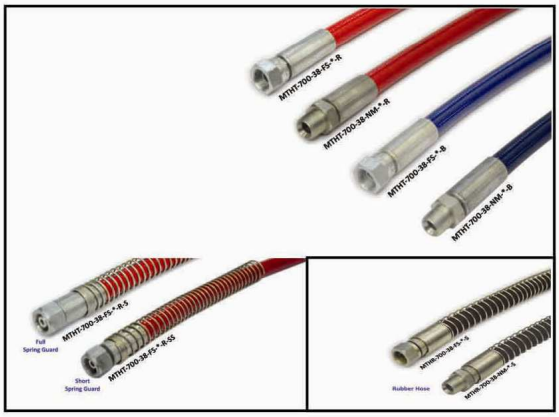
Model	Manifold Description
MTOD12HN38F	1 Inlet X 2 Outlets in Hex
MTOD13HN38F	1 Inlet X 3 Outlets in Hex
MTOD15HN38F	1 Inlet X 5 Outlets in Hex
MTOD12PN38F	1 Inlet X 2 Outlets in Plain
MTOD14PN38F	1 Inlet X 4 Outlets in Plain
MTOD12SN38F	1 Inlet X 2 Outlets with Shut Off Valves
MTOD14SN38F	1 Inlet X 4 Outlets with Shut Off Valves
MTOD15SN38F	1 Inlet X 5 Outlets with Shut Off Valves
MTOD16SN38F	1 Inlet X 6 Outlets with Shut Off Valves
MTOD24SN38F	2 Inlets X 4 Outlets with Shut Off Valves



High Pressure Hydraulic Hoses

MTHT-700-38-FS-*-R-S : H - Hose T - Thermoplastic 38 - 3/8" FS - Female BSP Swivel Nut * - Length (m) R - Red S - Full Spring Guard
MTHR-700-38-NM-*-B-SS : R - Rubber NM - NPT Male B - Blue SS - Short Spring Guard

Model with Female Swivel Nut	Model with NPT Male
MTHT-700-38-FS-*-R	MTHT-700-38-NM-*-R
MTHT-700-38-FS-*-B	MTHT-700-38-NM-*-B
MTHT-700-38-FS-*-R-S	MTHT-700-38-NM-*-R-S
MTHT-700-38-FS-*-B-S	MTHT-700-38-NM-*-B-S
MTHT-700-38-FS-*-R-SS	MTHT-700-38-NM-*-R-SS
MTHT-700-38-FS-*-B-SS	MTHT-700-38-NM-*-B-SS
MTHR-700-38-FS-*-S	MTHR-700-38-NM-*-S



*- Specify Length in Meters (Available in 1, 2 & 3 ..... upto 10 Meters)

Model	
HAB14MB38M	Hose Adaptor 1/4" BSP (M) X 3/8" BSP (M)
HAN38MB38M	Hose Adaptor 3/8" NPT (M) X 3/8" BSP (M)

MTHT - 1600 - 14-BM-* : H - Hose T - Thermoplastic 1600 - Pressure in Bar 14-BM - 1/4 BSP Male * - Length (m)

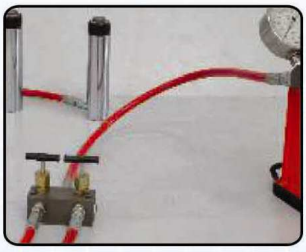
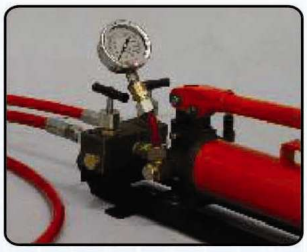
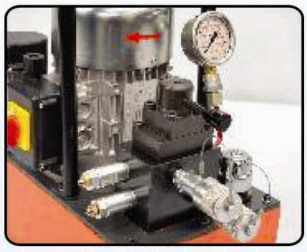
Model With BSP MALE
MTHT - 1600 - 14-BM-*

*- Specify Length in meters (Available in 1, 2, 3 ..... Upto 10 meters)

Note: Consider oil volume of 100 cc for every meter of 3/8" & 50 cc for 1/4" along with Cylinder Volume, when selecting Pumping Unit.

• specifications are subject to change due to continual improvement.

CUSTOMISED SOLUTIONS

CUSTOMIZED HYDRAULIC CYLINDERS

Max. Working Pressure 100- 400 bar

Both - End Clevis-2

Both End Self-Aliging Clevis-4

Both End Clevis – 6

Both - End Clevis

Costomized Hyd. Cylinders

Hydraulic Cylinders

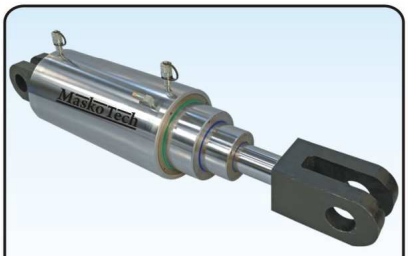
Hydraulic Cylinders

Outriggar Cylinder
for Truck Supports

Ram End Mounting

Rectangular
Flange Mounting Jacks

Self Aligning Jacks
Clevis Type-1



Three Stage
Both End Clevis Jacks

Double Acting Cushioned Cylinder

Trunnion & Ram End
Self Aligning Clevis

Masko Tech

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CUSTOMIZED HYDRAULIC CYLINDERS

Max. Working Pressure 100- 400 bar

Both - End Clevis-3

Both End Clevis-5

Both End Clevis-7

Both End Clevis – 8

Double Acting- Forward & Return Ports on Ram

Double Ended with Bottom Flange

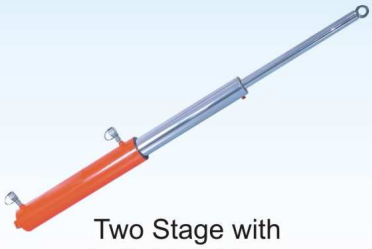
Ram End Self Aligning Clevis

Three Stage With both End Clevis

Tie Rods with Cushioning & Clevis at Both Ends

Trunion Mounted

Trunion Mounted Cylinder with Valve Block



Two Stage with Both End Clevis

Masko Tech

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Customised Hydraulic Power Packs

Capacity 2 - 200 HP / Flow Rate up to 400 l/min

Solenoid Operated

Pressure up to 350 bar

Production Presses

Filtre Presses

Mould Forming

Broaching Machine

Lamination Curing Presses

Dredger - Ship building

BARC - R&D

High Speed Moulding Presses

Slag Pot Car - Steel Plant

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CE

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Customised Hydraulic Power Packs

Capacity 2 - 200 HP / Flow Rate up to 400 l/min

Solenoid Operated

Pressure up to 350 bar

NEW

Rotor Brake - Wind Mill

NEW

Yaw Brake - Wind Mill

Multi Strand - Wind Mill Tower

Boiler grates

Propel Mechanism - Crawlers

Riveting Presses

Fixture clamping

Fixture clamping

Sheet Stretching - Automobile

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Customised Hydraulic Power Packs

Capacity 2 - 200 HP / Flow Rate up to 400 l/min

Solenoid Operated

Pressure up to 350 bar

Moving Floor

Filter presses

Filter presses

Pressure up to 700 bar

Steel Mill Duty

Large Size Pipe Bending Machine

Strand Jack and Wedge lock Operation

Pumping Units

Air oil cooler - CNC Machine

Air oil cooler - Truck mounted crane

Dual Pressure (2800 & 700 bar)

Traction Motor Pinion
Mounting and Dismounting

Customised Hydraulic Power Packs

Capacity 2 - 200 HP / Flow Rate up to 400 l/min

Features

- Designed robust with good aesthetics and are easy to maintain.
- Efficient, leak-free valve blocks, hydraulic elements and electricals of reputed make to ensure trouble free operation.
- Options : Hand lever / Solenoid

Hand Lever Operated

Pressure up to 350 bar

Pile Breaking

Girder Mould Form - Construction

Positions Tuyere handling trolley - Steel plant

Steel Mill Cylinder Pressure testing

Crane cylinder testing

Sugar Mill Cylinder testing

Jacking - Ship building / repairs

Synchro-lift (Split flow) - Pile Breaker

8 Station, heavy lifting

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