



HYDRA-CAPSULE

COMPANY SERVICE BROCHURE

HYDRA-CAPSULE

HYDRA-HIRE LIMITED

HYDRA-SALES LIMITED

Giving Construction Our Support

HIRE - SALES - CONTRACTS

SERVICES FOR:

Highway and Railway Industry 

Civil & Construction Sector 

Heavy-lifting Industry 

Infrastructure Projects 

Highway and Railway Industry 

More Info

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INTRODUCTION

Operating since 1987, Hydra Capsule have been specialising in the Heavy-Lifting, Hydraulic Jacking, Flat Jacking to Bolt Tensioning + Bar Stressing and Temporary Propping within the Construction, Civil and Engineering industry.

With over 40 years of experience. We offer one of the largest stock selection for hire, sales and contractual services with over 10,000 hydraulic cylinders, flat jacks and associated ancillary to 1,500 tonnes of temporary propping - for immediate dispatch from our hire fleet

"Constructing Excellence, One Project at a Time."

- Heavy-lifting, Jack-Up & Sliding Solutions
- Temporary Propping & Supports Systems
- Flat Jacking & Monitoring
- Hydraulic Jacking & Synchronised Lifting
- Bolt Tensioning & Crane Grillage Stressing



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WHY CHOOSE HYDRA-CAPSULE?

HYDRA-CAPSULE



Quick Turnaround

We stock vast hire-fleet equipment with fully trained personnel. Therefore, we can respond with short lead-in and quick response for emergency works - to ensure structures, works & programmes are achieved to the



One-Stop Solution

Hydra Capsule offers full **design, supply, installation:** in-house for all hydraulic jacking, flat jacks, and temporary propping systems to heavy lifting requirements.



Largest Selection

We stock the largest amount of hydraulic cylinders & flat jacks upto **1,600 tonnes** per/unit with over **7,500 jack units**, manufactured in-house.



Covering all infrastructures and sectors

We have worked within the **highway, rail, utilities, building and infrastructure** for over 40 years providing a professional product + service,



We offer full compliant documents, lift plans, RAMS and safe system of works

To ensure all parties understand works and procedures.



Family Company

Family ran company for over 40 years and 3 generations of knowledge, experience and commitment to the industry.



Continuous Investment

Every year Hydra-Capsule invests heavily into design, development and improvement of equipment covering temporary propping, heavy-lifting systems / skidding systems to heavy duty cylinders.



Working across all sectors



We have decades of experience helping our customers build, maintain, refurb/repair the country's infrastructures, (Highway, Railway and Underground)



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General Cylinders

General Purpose Hydraulic Cylinders from 5 - 1000 tonnes **7**

Pad Cylinder

Low Height Cylinders from 5 - 200 tonnes **9**

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Mechanical wedge jack from 5 upto 200 tonnes **30**

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GENERAL CYLINDERS

Comprised of hydraulic cylinders, these jacks are designed to provide immense lifting power, making them indispensable in scenarios where traditional lifting methods fall short.

Ranging from 5 tonnes upto 300 tonnes models and variable stroke for all projects



Jack Code	Capacity (tonnes) / PUSH	Closed Height (H)	Outside Diameter (D1)	Piston Diameter (D2)	Type	Stroke (mm)	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
HC5	5	110 - 325	38.1	35	SPRING	25-250	700	-	1.1 - 2.6
HC10	10	95 - 520	57.2	35	SPRING	25-400	700	-	1.8 - 8.4
HC15	15	124 - 522	69.9	50	SPRING	25-400	700	-	3.4 - 12.8
HC25	25	140 - 476	85.7	50	SPRING	25-365	700	-	5.4 - 16.7
HC55	50	174 - 460	127.1	50	SPRING	50-335	700	-	14.7 - 35.3
HC75	75	315 - 492	146.1	115	SPRING	150-335	700	-	33 - 49.5
HC100	100	219 - 429	158.8	140	SPRING	50-250	700	-	28.5 - 51.8
HC20-1050	20	1290	105	38	D/A	1050	350	2.9	82
HC30-500	30	730	125	60	D/A	500	700	2.1	39
HC90-200	90	820	210	75	D/A	200	700	1.55	65
HC250-400	250	620	370	290	D/A	400	350	5.8	523



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GENERAL CYLINDERS

Jack Code	Capacity (tonnes) / PUSH	Capacity (tonnes) / PULL	Closed Height (H)	Outside Dia. (D1) (mm)	Piston Dia.(D2) (mm)	Type	Stroke (mm)	Max. Pressure (Bar)	Fluid (Litres)	Weight (Kgs)
SA10-100	10	-	175	60	25	SPRING	100	700	0.2	4
SA25-150	25	-	275 - 282	88	58	SPRING	150	700	0.5	9
SA25-250DA	25	10	370	92	38	D/A	250	700	0.7	22
SA30-210	30	-	387	102	50	SPRING	210	700	0.9	19
HC50-150	50	-	283	127	79	SPRING	155	700	1.3	24
HC100-200DA	100	43	455	230	104	D/A	200	700	1.66	68
HR200-150DA	200	91	330	245	140	D/A	150	700	2.4	147
HC300-200DA	300	-	359	315	165	D/A	200	700	6.8	156
HC300-300DA	300	-	450	270	165	D/A	300	700	9.4	195
HC350-250DA	350	-	450	355	185	D/A	250	700	10.1	185
HC400-100DA	400	-	310	405	200	D/A	100	700	5.7	165
HC500-150DA	500	245	525	675	205	D/A	150	700	9.8	372
HC800-200DA	750	-	590	500	300	D/A	200	700	17.8	638
HC1200-200DA	1200	-	750	610	360	D/A	200	700	25.8	1285
HC1200-300DA	1200	-	865	650	360	D/A	300	700	32.8	1980



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PAD JACK CYLINDERS

The Pad Jack is an innovative piece of equipment that plays a pivotal role in heavy lifting and specialized construction tasks.

Comprised of hydraulic cylinders, these jacks are designed to provide immense lifting power, making them indispensable in scenarios where traditional lifting methods fall short. Ranging from 5 tonnes upto 200 tonnes models



Jack Code	Capacity (tonnes)	Closed Height (H)	Outside Diameter (D1)	Piston Diameter (D2)	Cylinder Width (W)	Stroke (mm)	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
PJ05-06	5	32	61	25	41	6	700	0.01	0.6
PJ05-16	5	43	60	25	41	16	700	0.02	1.3
PJ10-11	10	43	84	38	56	11	700	0.04	1.5
PJ20-11	20	51	102	51	76	11	700	0.05	2.7
PJ30-11	30	59	117	64	97	13	700	0.07	4.4
PJ45-16	45	67	140	70	114	16	700	0.11	6.7
PJ75-16	75	80	165	90	140	16	700	0.17	11.5
PJ90-16	90	86	177	90	152	16	700	0.21	14.3
PJ145-16	145	100	215	118	190	16	700	0.32	24.2

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LOW-PROFILE CYLINDERS

Low-profile cylinders are specialised hydraulic tools designed for applications where space is limited, but powerful lifting force is necessary.

These cylinders are often used in construction, maintenance, and industrial settings for tasks such as lifting heavy machinery, structural supports, or other large objects where a standard cylinder might not fit. The low-profile design allows them to be inserted into tight spaces, providing a versatile solution for engineers and technicians. Ranging from 10 tonnes upto 200 tonnes models



Jack Code	Capacity (tonnes)	Closed Height (H)	Outside Diameter (D1)	Piston Diameter (D2)	Stroke (mm)	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
LP10-38	10	89	70	38	38	700	0.1	2.5
LP20-44	5	99	92	51	44	700	0.2	5.1
LP30-62	10	117	102	64	62	700	0.3	6.8
LP45-60	45	122	124	70	60	700	0.4	9.9
LP90-57	90	141	165	90	57	700	0.7	20.6
LP90-57 (EnP)	90	141	162	90	57	700	0.8	21.1
LP145-60	145	162	216	120	60	700	1.2	48.3



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HOLLOW RAM CYLINDERS

Hollow ram cylinders with spring return are versatile hydraulic tools designed for various applications that require both pushing and pulling forces.

These cylinders are characterized by their hollow piston rods, which allow for a threaded rod or cable to pass through, making them ideal for tasks such as tensioning, pulling, or pushing objects.



Jack Code	Capacity (tonnes)	Closed Height (H)	Outside Diameter (D1)	Piston Diameter (D2)	Plunger Hole Dia. (D3) (mm)	Stroke (mm)	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
HR10-41	10	121	70	35	19	41	700	0.1	2.8
HR10-76	10	184	70	35	19	76	700	0.15	3.9
HR20-51	20	162	100	55	27	51	700	0.17	7.2
HR20-154	20	306	100	55	27	154	700	0.49	13.4
HR30-64	30	179	115	63	33	64	700	0.28	10.4
HR30-155	30	331	115	63	33	155	700	0.65	19.5
HR60-76	60	249	159	93	54	76	700	0.66	29.8
HR60-152	60	325	159	93	54	151	700	1.32	36.8
HR75-75 (load-return)	75	220	180	115	55	75	700	0.8	35.2
HR100-76	100	255	213	125	79	76	700	1.11	51.4



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HOLLOW RAM CYLINDERS (DOUBLE-ACTING)

Hollow ram double acting cylinders are a versatile and powerful component used in a variety of industrial applications.

These cylinders feature a hollow piston rod, allowing for unique capabilities such as the ability to push and pull with equal force.



Jack Code	Capacity (tonnes) / PUSH	Capacity (tonnes) / PULL	Closed Height (H)	Outside Diameter (D1)	Piston Dia. (D2) (mm)	Plunger Hole Dia. (D3) (mm)	Stroke (mm)	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
HR30-250DA	30	12	410	115	70	33.5	255	700	0.64	19
HR30-300DA	30	24	490	165	110	65	300	700	0.67	30
HR60-150DA	60	38	315	160	92	55	150	700	1.54	41
HR75-300DA	75	40	480	185	145	67	300	700	2.9	67
HR100-150DA	100	45	348	213	140	80	150	700	2.1	85
HR100-155DA	100	45	386	213	140	80	155	700	2.2	90
HR100-300DA	100	45	545	215	140	80	300	700	4.3	178
HR100-600	100	45	895	265	160	80	600	700	10.1	360
HR150-150DA	150	71	315	215	115	65	150	700	1.66	68
HR200-150DA	200	75	330	245	140	150	150	700	2.4	147
HR200-200DA	200	69	408	273	190	103	200	700	5.1	142
HR300-50DA	300	105	235	330	220	80	50	700	2.79	128
HR300-150DA	300	105	340	330	220	150	150	700	4.15	182



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LOCKING-COLLAR CYLINDERS

Screw ram / Locking collar nut cylinder is a critical component in hydraulic jacking and heavy lifting; such as bridges, superstructures and lifting operations.

These locking mechanisms are typically used to secure the load within the cylinder, preventing it from moving unintentionally under pressure or load - ensure mechanical lock-off



Jack Code	Capacity (tonnes)	Closed Height (H)	Outside Diameter	Piston Diameter	Collar Diameter	Stroke (mm)	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
HJ10-45	10	100	75	35	65	45	700	0.1	3
HJ25-150	25	315	150x150	100x100	90	150	700	0.7	23
HJ30-50	30	150	100	60	90	50	700	0.3	10
HJ30-100	30	195	100	60	90	100	700	0.5	16
HJ30-200	30	325	100	60	90	200	700	0.8	24
HJ50-50	50	175	135	80	115	50	700	0.5	15
HJ50-100	50	215	135	80	115	100	700	0.8	21
HJ50-100B	50	245	135	80	115	100	700	0.8	26
HJ50-150	50	265	135	80	115	150	700	1.3	32
HJ50-200	50	325	135	80	115	200	700	1.4	36
HJ50-300	50	470	135	80	115	300	700	2.1	46
HJ60-50F	60	125	140	96	130	50	700	0.42	15
HJ80-100	80	200	152	100	150	100	700	1.3	26
HJ90-55	90	195	170	100	160	55	640	0.7	28

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LOCKING-COLLAR CYLINDERS

Jack Code	Capacity (tonnes)	Closed Height	Outside Diameter	Piston Diameter	Collar Diameter	Stroke (mm)	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
HJ100-45F	100	137	175	125	110	45	700	0.79	26
HJ100-50	100	140	185	125	180	50	700	0.88	29
HJ100-150	100	320	190	80	165	150	700	2.1	54
HJ100-150B	110	318	195	85	175	150	700	2	58
HJ100-250	100	375	185	80	175	250	700	3	72
HJ100-300	100	445	170	85	160	295	700	4.2	85
HJ100-300DA	100	440	195	90	170	300	700	4.4	88
HJ130-100	130	230	200	130	130	100	700	1.8	58
HJ150-15	150	115	200	160	190	15	700	0.4	26
HJ150-100	150	290	225	160	200	100	700	2.2	89
HJ160-45F	160	148	220	160	210	50	700	1.04	45
HJ180-40	180	195	230	160	220	40	700	1.1	54
HJ180-150	180	305	230	160	220	150	700	3.88	92
HJ180-300	180	465	230	160	220	300	700	7.5	172
HJ200-100	200	300	260	200	255	100	700	3.4	84
HJ200-150	200	350	240	200	235	150	700	4.5	108
HJ250-45F	250	159	275	225	265	45	700	1.64	72
HJ250-50B	250	210	280	185	275	50	700	1.9	66

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LOCKING-COLLAR CYLINDERS

Jack Code	Capacity (tonnes)	Closed Height mm	Outside Diameter	Piston Diameter	Collar Diameter	Stroke (mm)	Max. Pressure	Fluid (Litres)	Weight (Kgs)
HJ250-50	250	250	290	185	275	50	700	1.8	88
HJ250-200DA	250	380	280	190	200	200	700	6.2	275
HJ300-50	300	190	290	340	330	50	700	2.9	92
HJ300-100	300	220	290	245	280	100	700	3.5	105
HJ300-150	300	470	300	180	290	150	700	4.7	134
HJ300-300	300	625	310	180	290	300	700	9.1	248
HJ360-50	360	175	310	260	300	50	700	3.4	94
HJ360-100	360	290	330	240	300	100	700	5.3	192
HJ400-45F	360	175	310	260	300	50	700	3.4	94
HJ400-150	400	430	360	240	350	150	700	7.1	325
HJ400-150B	395	335	330	195	190	150	700	7.6	329
HJ400-300DA	400	920	370	200	315	300	700	13.1	748
HJ520-45F	520	195	400	290	400	45	700	3.3	182
HJ520-50	520	265	420	305	415	50	700	4.1	187
HJ520-150	520	475	410	305	405	150	700	11.5	348
HJ520-300	520	520	410	305	410	300	700	21.1	595
HJ650-200DA	650	470	460	330	380	200	700	14.2	415
HJ800-45	800	275	460	360	450	45	700	4.8	395
HJ1600-40	1600	275	460	360	450	40	1500	4.1	335

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PLAIN-RAM CYLINDERS (SINGLE / DOUBLE-ACTING)

Long stroke and heavy-duty hydraulic cylinders are essential components in various heavy-lifting industrial applications, providing the force and movement required for moving structures and frame upto 1 metres distances

Long stroke hydraulic cylinders are designed to extend over considerable distances, making them ideal for applications that require significant linear motion, such as in material handling or construction equipment like jack and pack operations.

These cylinders are engineered to maintain stability and efficiency over long distances, ensuring precision and reliability. Incorporating temporary propping for lifting upto 2-3 metres operations.



Jack Code	Capacity (tonnes) / PUSH	Capacity (tonnes) / PULL	Closed Height (H)	Outside Dia. (D1)	Piston Dia. (D2)	Type	Stroke (mm)	Max. Pressure (Bar)	Fluid (Litres)	Weight (Kgs)
SA25-250DA	25	10	415	85	40	D/A	250	700	0.7	22
SA25-1050DA	25	10	1250	85	35	D/A	1050	700	3.62	63
SA30-210	30	-	387	102	50	S/R	210	700	0.92	19.3
SA50-150	50	-	285	129	80	S/R	150	700	1.15	25
SA100-150	100	-	337	159	105	S/R	150	700	2.5	43
HR150-150DA	150	71	315	215	115	D/A	150	700	1.66	68
HR200-150DA	200	91	330	245	140	D/A	150	700	2.4	147



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HIGH TONNAGE - DOUBLE-ACTING CYLINDERS

Jack Code	Capacity (tonnes) / PUSH	Capacity (tonnes) / PULL	Closed Height (H)	Outside Diameter (D1)	Piston Diameter (D2)	Type	Stroke (mm)	Max. Pressure (Bar)	Fluid (Litres)	Weight (Kgs)
HC300-200DA	300	148	359	315	165	D/A	200	700	6.8	156
HC300-300DA	300	147	450	270	165	D/A	300	700	9.1	195
HC350-250DA	350	165	450	355	185	D/A	250	700	10.1	185
HC400-100DA	400	185	310	405	200	D/A	100	700	5.7	165
HC500-150DA	500	245	525	675	205	D/A	150	700	9.8	372
HC800-150DA	750	315	590	500	300	D/A	200	700	17.8	638
HC1200-200DA	1200	592	750	610	360	D/A	200	700	25.8	1285
HC1200-300DA	1200	592	865	650	360	D/A	300	700	32.8	1980

SR / SA =	Spring-Return / Single-Acting Cylinder									
DA =	Double-Acting Cylinder									

PULL-RAM CYLINDERS

Hydraulic pull ram cylinders are essential components in various industrial and mechanical applications, where they are used to exert pull force rather than push force.

Unlike traditional hydraulic rams that extend outward to push, pull ram cylinders are designed to retract under hydraulic pressure, enabling them to pull or draw objects together.



Jack Code	Type	Capacity (tonnes) / PULL	Extend. Centres (L1)	Retract. Centres (L2)	Cylinder Diameter (D1)	Piston Diameter (D2)	Stroke (mm)	Max. Pressure (Bar)	Fluid (Litres)	Weight (Kgs)
PC05-140	S/R	5	740	600	57	19	140	700	0.4	9
PC10-150	S/R	10	850	700	85	32	150	700	0.9	17
PC30-150	S/R	30	950	800	125	50	150	700	1.8	34
PC50-200DA	D/A	50	1100	900	155	70	200	700	2.3	76
PC100-200DA	D/A	100	810	610	210	70	200	700	3.1	112
SR =	Spring-Return Cylinder									
DA =	Double-Acting Cylinder									



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HYMAT / ALUMINIUM CYLINDERS

Hymat and Aluminium cylinders are typically utilised in projects requiring precise structural temporary support and load management.

These systems often include the use of aluminium cylinders, which are valued for their lightweight yet durable nature. Aluminium cylinders are particularly advantageous in construction because they offer high strength-to-weight ratios, corrosion resistance, and ease of handling. By integrating these cylinders into numerous support systems.



Jack Code	Type	Capacity (kNs)	Closed Height (mm)	Extend Height (mm)	Cylinder Dia. (mm)	Cylinder Eff. Area (cm2)	Stroke (mm)	Max. Pressure (Bar)	Fluid (Litres)	Weight (Kgs)
HM050	S/A	750	215	265	254	183	50	410	0.7	24
HM100	S/A	750	265	365	254	183	100	410	1.4	32
ACA30-100	S/R	295	240	340	109	42	100	700	0.45	6
ACA50-100	S/R	540	225	325	134	96	100	700	0.75	9
ACA75-100	S/R	750	235	335	175	125	100	700	1	14
ACA100-150	S/R	950	299	349	188	133	150	700	2.1	27
ACA100-250	S/R	950	367	655	188	133	260	700	2.1	31
SR =	Spring-Return Cylinder									
DA =	Double-Acting Cylinder									

CYLINDERS



POST-TENSIONING STRESSING JACKS AND EQUIPMENT

A variety of specialised equipment is employed to ensure structural integrity and performance. Stressing jacks are pivotal, applying tension to steel tendons within concrete, enhancing its tensile strength.

Equipment (from Allen Hydraulic Engineering Ltd) like stressing pumps, strand pushers, seating jacks and onion jacks - these tools form an integral part of the post-tensioning process, contributing to the safety, durability, and longevity of concrete structures.



Jack Code	Type	Capacity (kNs) SWL	Length incl. Nose/Tail (mm)	Cylinder Dia. (D1)	Wedge Size (mm)	Stroke (mm)	Max. Pressure (Bar)	Accessories
SJ-T10	S/R	98	330	76	12.7 & 15.2	63	700	Auto-nose lock off
SJ-T20	S/R	210	335	98	9 (wire), 12.7 & 15.2	50	700	Auto-nose lock off
SJ-T25	D/A	250	550	120	12.7 & 15.2	120 - 220	550	Auto-nose lock off, safety relief-valve
SJ-T25B	D/A	255	Varies	115	9 (wire), 12.7 & 15.2	150 - 485	700	Auto-nose lock off, safety relief-valve & hydraulic lock-off nose
SJ-T30	D/A	300	525	125	32	200	700	Auto-nose lock off, safety relief-valve & hydraulic lock-off nose
SJ-30TWIN	D/A	300	560	-	12.7 & 15.2	215	700	Hydraulic lock-off nose and twin loading cassette

TENSIONING

POST-TENSIONING EQUIPMENT

Post-tensioning is a technique used in construction to reinforce concrete by applying tension to steel cables or tendons that run through the concrete.

accessories for stressing jacks include anchor grips, couplers, and wedges, which help in securing the tendons in place.

Our post-tensioning consumables are CARES traceable and in partnership with Allen Hydraulic Engineering - we supply numerous Post-Tensioning contractors equipment (hire & sales) for all major projects.



Jack Code	Descriptions	Pressure SWL (Bar)	Selection Range
PT-554	Hydraulic High-Flow Stressing Pump (110-220V) c/w Control Block and Valve	700	Pressure Control Relief Valve
PT-ONION	Hydraulic Onion Jack - 10 tonnes (100 kNs)	700	12.7mm to 15.2mm
PT-SEAT	Hydraulic Analogue, Force and Digital Pressure Gauge	1 - 1600	60mm to 200mm Dia.
PT-STRAND	Strand Wire/Cable Pusher - 110V and 220V	110V / 220V	12.7mm to 15.2mm
PT-DISP	Strand Dispenser - for Post-Tensioning	500 Kgs SWL	Lifting Eyes, Nose Cone and Safety Lid (on request)
PT-GPUMP	Manual Hand & Electric Grout Pumps - for duct voids	-	12.7mm to 15.2mm
PT-SJWEDGE	Post-Tensioning Wedge (one-use and reusable)	-	12.7mm to 18mm
PT-OJWEDGE	Post-Tensioning Onion Wedge (reusable)	-	12.7mm to 15.2mm



TENSIONING



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GROUT PUMPS

Grout pumps play a crucial role in the construction industry, particularly in the process of post-tensioning, which is a method used to reinforce concrete.

These specialized pumps are designed to efficiently inject grout - a mixture of water, cement, and grout - into ducts within concrete structures where steel tendons are housed.

The grout serves multiple purposes: it protects the steel tendons from corrosion, provides bonding between the concrete and tendons, and fills any voids to ensure structural integrity. Small selection stated below:

Jack Code	Descriptions	Pressure SWL (Bar)	Selection Range
FJ-INJECT	Injection and Resin System	20-200 Bar	0.5 - 150 litres Grout/Resin Reservoir
GP-HAND	Grout Hand Pump - 35 litres reservoir	0-15 Bar	Diaphragm Pump
GP-50	Grout Hand Pump - 50 litres reservoir	0-20 Bar	c/w Internal Mixers
GP-DES	Electric 110V/220V Screw Grout-Pump	0-20 Bar	Flow / Speed Control (0-13.5 l/min)
GP-600	Electric Grout Pump - 110V (32 Amps)	0-11 Bar	35 litres Reserv. Tank 2-10 litres per/min
GP-MK3	Electric Grout Pump MK3 - 110V (32 Amps)	0-11 Bar	70 litres Reserv. Tank 2-30 litres per/min
Note:	We have the facility to manufacture bespoke hoses, grout pumps, injection system and control panels to suit all grouting requirements		



ACCESSORIES FOR POST-TENSIONING

Post-tensioning is a technique used in construction to reinforce concrete by applying tension to steel cables or tendons that run through the concrete.

accessories for stressing jacks include anchor grips, couplers, and wedges, which help in securing the tendons in place.

Our post-tensioning consumables are CARES traceable and in partnership with Allen Hydraulic Engineering - we supply numerous Post-Tensioning contractors equipment (hire & sales) for all major projects.



Jack Code	Descriptions	Type	Pressure SWL (Bar)	Selection Range
PT/HH-XX	Grout Pump Hose	24mm - 110mm	5 - 150 Bar	All options/lengths on request
PT-FIT-XX	Grout Pumps Hose Adaptor, Valves and Fittings	1/4", 3/8" + 1/2"	5 - 150 Bar	Various Fittings
GPG-XX	Grout Pressure Gauge	1/4", 3/8" + 1/2"	12 Bar	60mm to 200mm Dia.
PT-GFIT	Grout Fittings - Elbows, Straight and Adaptors	All types	5 - 150 Bar	All options available on request
PT-CHAIRS-X	Post-Tensioning Duct Chairs	43, 46.5, 70 and 86mm wide duct	-	Height and colour options: 25 - 430mm
PT-FORM-XX	Void Formers / Polyformers	2-5 strand	-	Anchors Formers for all Types
PT-TUBE-XX	Grout Tubes and Connectors	12mm, 19mm to 1/4", 3/8" + 1/2"	5 - 150 Bar	Anchors Formers for all Types
PT-STRAND-X PT-BAR-XX	Post Tensioning Strand Wire / Stressing-Cable Post-Tension and Stressing Bar	5mm to 18mm 16mm - 130mm	-	Offering strand wire, cable, dywidag and macalloy to all systems



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HYDRAULIC JACKING & SYNCRHONISED LIFTING APPLICATIONS

Hydra-Capsule provides advanced hydraulic jacking and synchronised lifting systems for high-load, precision-controlled structural operations.

Our solutions are engineered to deliver safe, reliable, and fully controlled load transfer, even in complex or restricted environments.

Core Capabilities:

- High-capacity hydraulic jacking systems for structural lifting and load transfer
- Fully synchronised multi-point lifting using computer-controlled systems

Modular lifting solutions adaptable to:

- Confined spaces
- Temporary works applications
- Permanent load transfer systems
- Integration with temporary works design and engineering analysis

Application Areas:

- Structural lifting and repositioning
- Bridge jacking and bearing replacement
- Heavy plant installation and alignment
- Temporary propping and load redistribution
- Controlled structural separation and reinstatement

Hydraulic Lifting, Synchronised Jacking, Heavy-Lift Skidding & Temporary Propping Systems



Precision Synchronised Hydraulic Lifting

High-capacity multi-point synchronised lifting systems with real-time load, stroke and displacement monitoring.

Engineered for controlled lifting, lowering and load transfer operations involving bridge decks, structural steel, precast elements and critical infrastructure components.

Executed in accordance with UK Temporary Works procedures and CDM Regulations:



Bridge Jacking & Bearing Replacement Engineering

Specialist bridge lifting and structural load transfer services including:

- Deck elevation
- Bearing removal and replacement
- Controlled incremental lowering
- Structural stabilisation
- Sequenced load redistribution

Fully designed, calculated and supervised under approved temporary works procedures.



Engineered Temporary Propping Systems

Heavy-duty temporary works support solutions designed, supplied and installed in-house.

- Pier stabilisation
- Bridge deck support
- Demolition sequencing
- Structural modification works

Integrated with hydraulic jacking and structural load transfer methodologies.



Specialist Jack-Up Systems Deployment

Specialist jack-up systems for precision structural elevation and heavy repositioning operations.

Providing controlled load balancing, structural protection and monitored lift sequencing throughout critical phases.

Integrated with hydraulic jacking and structural load transfer methodologies.



Hydraulic Bolt Tensioning & Controlled Load Transfer

Precision hydraulic bolt tensioning for structural steel connections and heavy engineering assemblies.

Ensuring accurate preload application structural integrity and long-term load performance.



Heavy-Lift Skidding, Sliding & Launching Systems

Engineered hydraulic skidding and launching systems for controlled horizontal movement of heavy structures and plant.

Suitable for:

- Bridge beam launching
 - Modular unit installation
 - Plant relocation
 - Infrastructure component positioning
- Incorporating low-friction sliding interfaces with monitored load control.



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FLAT JACKS

We provide a variety of flat jacks in circular, rectangular, and square shapes, ranging from 80 kNs (8 tonnes) to the world's largest capacity of 13,800 kNs (1,380 tonnes).

Our offerings include multiple configurations, such as Types A, B, and C, designed for applications involving water, oil, and grout/transfusion.

At Hydra-Capsule, we can deliver custom flat jacks tailored to meet all your operational requirements - offering the world's largest flat jacks, designed in-house



JACK	CAPACITY	CLOSED HEIGHT	OUTSIDE	THRUST	MAXIMUM	MAXIMUM	FLUID	WEIGHT
CODE	(kNs)		DIAMETER	DIAMETER	STROKE	PRESSURE	LITRES	(KGS)
FJ 12	800	32	120	75	25	150 bar	0.3	1.5
FJ 15	150	32	150	105	25	150 bar	0.5	2.2
FJ 17	200	32	170	125	25	150 bar	0.8	3.1
FJ 19	250	32	190	145	25	150 bar	1.1	3.9
FJ 22	400	32	220	175	25	150 bar	1.2	5.5
FJ 25	500	32	250	205	25	150 bar	1.3	7.7
FJ 27	600	32	270	225	25	150 bar	1.6	8.9
FJ 30	800	32	300	255	25	150 bar	1.9	11.5
FJ 35	1000	35	350	305	25	150 bar	2.6	16.4
FJ 38	1300	35	380	335	25	150 bar	3.1	19.7
FJ 42	1600	35	420	375	25	150 bar	3.6	23.8
FJ 45	1800	35	450	405	25	150 bar	4.1	27.5
FJ 48	2100	35	480	435	25	150 bar	4.7	34.8
FJ 52	2650	35	520	475	25	150 bar	5.7	37.5



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FLAT JACKS

FJ 56	3000	35	560	515	25	150 bar	6.2	44.2
FJ 60	3450	35	600	555	25	150 bar	7.4	49.8
FJ 67	4800	35	675	625	25	150 bar	9.6	69.8
FJ 69	4950	35	690	645	25	150 bar	10.5	70.5
FJ 75	6000	35	750	700	30	150 bar	12.4	81.5
FJ 75B	6000	45	750	700	50	150 bar	19.8	92.4
FJ 87	7640	35	870	825	30	150 bar	16.8	111.2
FJ 92	8680	35	920	875	30	150 bar	18.7	124.8
FJ 102	10300	40	1020	940	35	150 bar	24.4	139.8
FJ 108	13800	40	1080	1030	35	150 bar	28.1	169.5

Sizes from 80mm to 1080mm diameter – stroke from 25mm up to 50mm with maximum pressure of 150 Bar

Features:

- Known forces
- Low height for limited access
- Low bearing stress
- Precise control
- Out of parallel tolerance between jacking surface
- Light and easy to handle

Types:

- Type A, B and C ports
- Hydraulic Oil application
- Grout / Resin Filled
- Water / Temporary Fluid
- Transfusion Flat Jacks
- Bespoke flow-valves, control ports and load-monitoring options



Typical Uses:

- Structural pre-loading
- Pre-stressing
- Lifting / Load-transfer
- Control of settlement
- Levelling
- Bearing replacement
- Underpinning
- Weighing of large structures

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FLAT JACKS APPLICATIONS

Hydra-Capsule flat jacking systems provide controlled load transfer, precision adjustment, and structural stabilisation across a wide range of civil engineering and construction applications.

Ground Settlement Compensation

- Injection and jacking techniques used to:
 1. Compensate for settlement
 2. Restore structural levels

Enables:

- Controlled lifting of settled structures
- Minimisation of further movement

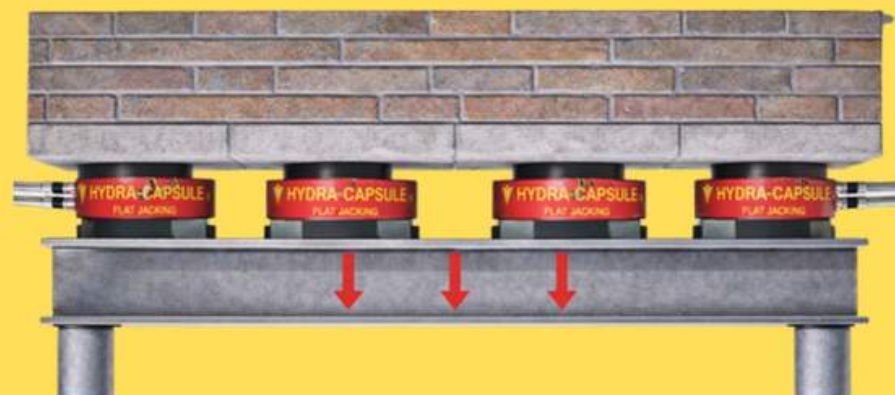
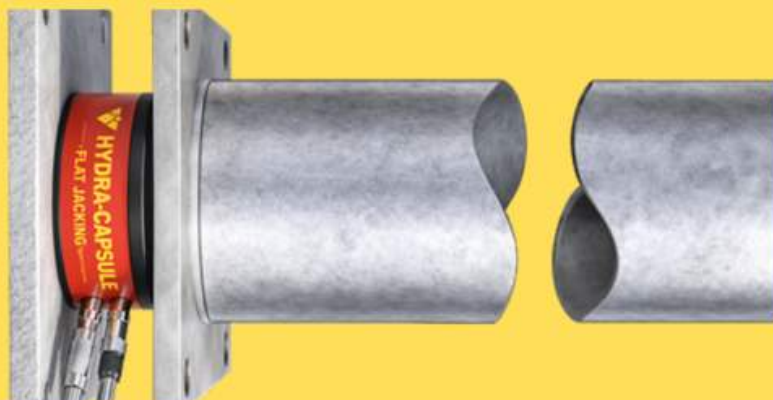


Steelwork Deflection & Jacking

- Precision adjustment of structural steelwork to:
- Correct deflection
- Achieve specified tolerances

Allows:

- Controlled lifting + alignment of beams & frames
- Fine tuning during installation and commissioning

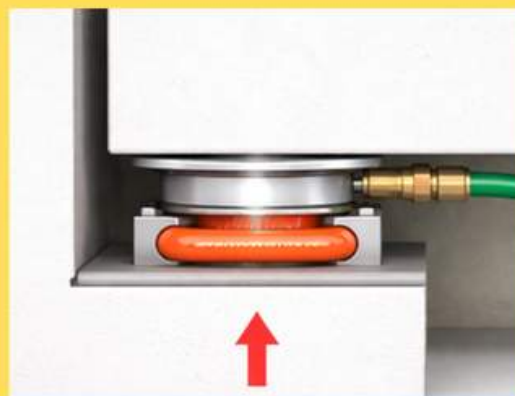


Excavation Strut Prop Pre-Loading

- Controlled pre-loading of temporary works struts
- Reduce initial movement during excavation
- Improve system stiffness and performance

Enables:

- Even load distribution across strut systems
- Verification of design loads prior to excavation



Bridge Lifting & Bearings Preloading

- Controlled lifting of bridge decks for:
- Bearing replacement
- Structural realignment

Preloading of bearings to:

- Ensure full contact and correct load transfer
- Eliminate voids and uneven seating

FLAT JACKS - SQUARE

Hydra-Capsule square flat jacks are versatile tools used in a range of engineering and construction applications – the below is a selection of standard/typical sizes and bespoke adaptations and sizes can be designed, developed, manufactured and proof-load tested 'in-house'.

They are crucial for preloading, bridge bearing, and weighing operations, providing precise control over load distribution and structural adjustments. These flat jacks can be utilized with various mediums such as water, hydraulic oil, cementitious grout, and epoxy resin, allowing them to adapt to different project requirements



JACK	CAPACITY	CLOSED HEIGHT	OUTSIDE	THRUST	MAXIMUM	MAXIMUM	FLUID	WEIGHT
CODE	(kNs)		DIAMETER	DIAMETER	STROKE	PRESSURE	LITRES	(KGS)
SFJ20-20	400	35	200 x 200	155 x 155	25	140 bar	0.3	4
SFJ25-25	600	35	250 x 250	205 x 205	25	140 bar	0.5	8
SFJ30-30	900	35	300 x 300	255 x 255	25	140 bar	0.8	9
SFJ35-35	1200	35	350 x 350	305 x 305	25	140 bar	1.1	10
SFJ40-40	1600	35	400 x 400	355 x 355	25	140 bar	1.2	16
SFJ45-45	2000	35	450 x 450	405 x 405	25	140 bar	1.3	19
SFJ50-50	2500	35	500 x 500	455 x 455	25	140 bar	1.6	20
SFJ60-60	3600	35	600 x 600	555 x 555	25	140 bar	2.6	26

FLAT JACKS - RECTANGLE

Hydra-Capsule rectangle flat jacks are similar to the square flat jack and used in scenarios of pre-set bolt centres and larger bearing area coverage is required - which allows these products to be a versatile tool - used in a range of engineering and construction applications - the below is a selection of standard/typical sizes and bespoke adaptations and sizes can be designed, developed, manufactured and proof-load tested 'in-house'.

They are crucial for preloading, bridge bearing, and weighing operations, providing precise control over load distribution and structural adjustments.



JACK	CAPACITY	CLOSED HEIGHT	OUTSIDE	THRUST	MAXIMUM	MAXIMUM	FLUID	WEIGHT
CODE	(kNs)		DIAMETER	DIAMETER	STROKE	PRESSURE	LITRES	(KGS)
RFJ20-25	500	35	200 x 250	155 x 205	25	140 bar	0.3	4
RFJ25-30	750	35	250 x 300	205 x 255	25	140 bar	0.5	8
RFJ30-35	1050	35	300 x 350	255 x 305	25	140 bar	0.8	9
RFJ33-38	1250	35	330 x 380	285 x 335	25	140 bar	1.1	10
RFJ38-43	1600	35	380 x 430	335 x 385	25	140 bar	1.2	16
RFJ43-48	2050	35	430 x 480	385 x 435	25	140 bar	1.3	19
RFJ48-53	2550	35	480 x 530	435 x 485	25	140 bar	1.6	20
RFJ53-58	3050	35	530 x 580	485 x 535	25	140 bar	2.6	26
RFJ58-63	3650	35	580 x 630	535 x 585	25	140 bar	2.9	31
RFJ63-68	4250	35	630 x 680	585 x 635	25	140 bar	3.3	36
RFJ68-73	5000	35	680 x 730	635 x 685	25	140 bar	3.6	41



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MECHANICAL / HARJAK WEDGE JACKS

A mechanical wedge steel jack is a versatile and robust tool often utilized in various industrial and automotive applications for lifting, holding, or adjusting heavy loads. Comprised of a steel frame and a wedge mechanism, this type of jack operates on the principle of converting linear force into lifting power.

The wedge, typically driven by a screw or hydraulic system, slides in a controlled manner to lift or adjust the height of the load with precision.

The devices are ideally for temporary and permanent pre-loading solutions for bridge jacking, and temporary work schemes upto 200 tonnes.



JACK	CAPACITY	CLOSED HEIGHT (mm)	OPEN HEIGHT (mm)	OUTSIDE	WEDGE	MAXIMUM	WEIGHT
CODE	(kNs)			AREA OF BODY (mm)	PLAN AREA (mm)	STROKE (mm)	(Kgs)
HWJ5-10	50	32	42	80 x 50	50 x 38	10	1.1
HWJ15-10	150	40	50	100 x 100	70 x 60	10	3.2
HWJ20-20	200	50	70	135 x 100	80 x 70	20	4.5
HWJ35-20	350	60	80	150 x 100	120 x 80	20	7.5
HWJ75-20	750	80	100	200 x 152	140 x 130	20	20.1
HWJ120-20	1200	100	120	250 x 250	200 x 210	20	50.2
HWJ200-20	2000	145	165	360 x 280	260 x 250	20	121.2

HAR-JACK



HYDRAULIC SKIDDING - 30 TONNES SYSTEM

The HS-XP30 is an advanced sliding skidding system designed for heavy load transportation and precise positioning in industrial settings.

Known for its efficiency and reliability, the XP-30 is engineered to handle loads up to 30 tons, making it ideal for moving heavy machinery and equipment. Its compact and low-profile design allows for operation in confined spaces while maintaining stability and control.

The system employs a series of durable, low-friction pads that facilitate smooth, controlled sliding over a variety of surfaces.



JACK	CAPACITY	CAPACITY	CLOSED HEIGHT	SLIDING	MAXIMUM	MAXIMUM	CO-EFFICIENT	WEIGHT
CODE	PUSH (kNs)	PULL (kNs)		SURFACE	STROKE	PRESSURE	OF FRICTION	(KGS)
HS-XP30	300	275	30	PTFE	255	700 bar	10-15%	518
SPECIFICATION		LENGTH	WIDTH	HEIGH	WEIGHT			
TRACK SECTION		1.42m	150mm	25mm	19 Kgs			
SLIDER PLATE - 0600MM		610mm	95mm	10mm	4.0 Kgs			
SLIDER PLATE - 1200MM		1022mm	95mm	10mm	8.4 Kgs			
PUSH/PULL HEAD		460mm	95mm	100mm	5.0 Kgs			
CYLINDER ASSEMBLY		460mm	150mm	180mm	29 Kgs			
FULL SYSTEM BOX		1500mm	990mm	740mm	518 Kgs			
MAXIMUM SLOPE (%)		+/- 2%						
ALIGNEMENT TOLERANCE		+/- 6.00mm						

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HYDRAULIC SKIDDING - 150 TONNES SYSTEM

The HS-XP150 is a cutting-edge skidding and sliding system designed to facilitate the movement of heavy loads with precision and safety.

Known for its robust construction & versatility, the XP-150 is particularly favoured in industries requiring the relocation of large-scale equipment, such as in manufacturing, construction, and heavy hauling. This system is engineered to provide a low profile and high capacity, which allows it to operate effectively in confined spaces while handling loads up to 150 tons



JACK	CAPACITY	CAPACITY	CLOSED HEIGHT (mm)	SLIDING	MAXIMUM	MAXIMUM	CO-EFFICIENT	WEIGHT
CODE	PUSH (kNs)	PULL (kNs)		SURFACE	STROKE	PRESSURE	OF FRICTION	(KGS)
HS-XP150	2500	1360	32	PTFE	362	700 bar	10-15%	948
SPECIFICATION		LENGTH	WIDTH	HEIGH	WEIGHT	 		
TRACK SECTION		1520mm	390mm	29mm	29.0 Kgs			
SLIDER PLATE - 0300MM		300mm	200mm	10mm	3.4 Kgs			
SLIDER PLATE - 0600MM		610mm	200mm	10mm	7.9 Kgs			
SLIDER PLATE - 1200MM		1220mm	200mm	10mm	18.0 Kgs			
PUSH/PULL HEAD		483mm	200mm	165mm	14.0 Kgs			
CYLINDER ASSEMBLY		660mm	200mm	203mm	36.0 Kgs			
FULL SYSTEM BOX		1930mm	1220mm	790mm	948 Kgs			
MAXIMUM SLOPE (%)		+/- 2%						
ALIGNEMENT TOLERANCE		+/- 6.00mm						

SKIDDING

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HYDRAULIC SKIDDING - 300 TONNES SYSTEM

The HS-XP300 - 300 Tonnes Sliding and Skidding System represents a cutting-edge advancement in the field of heavy load transportation within constrained environments.

This sophisticated HS-XP300 system is celebrated across a multitude of industries such as construction, shipbuilding, and heavy machinery relocation for its exceptional capability to manoeuvre substantial weights effortlessly.

This system uses rigid steel tracks designed to carry loads over unsupported spans, and engineered to push loads upto 300 tons (270 tonnes), and has a working height of only 180mm; with a durable graphite sliding surface to reduce friction resistance.



JACK	CAPACITY	CAPACITY	CLOSED HEIGHT (mm)	SLIDING	MAXIMUM	MAXIMUM	CO-EFFICIENT	WEIGHT
CODE	PUSH (kNs)	PULL (kNs)		SURFACE	STROKE	PRESSURE	OF FRICTION	(KGS)
HS-XP300	2700	1350	180mm	Graphite	362mm	700 bar	15-20%	-
SPECIFICATION		LENGTH	WIDTH	HEIGH	WEIGHT			
TRACK SECTION		3 to 6 mtrs	405mm	160mm	560-1135 kgs			
SKID SHOE (4no.)		660mm	430mm	150mm	75 kgs			
HYDRAULIC HOSES		16mtrs	40mm	40mm	10.1 Kgs			
CYLINDER ASSEMBLY (2no.)		650mm	200mm	Within Track	114.1 Kgs			
STORAGE RACK		1040mm	990mm	840mm	425 kgs			
FULL SYSTEM BOX		1100mm	860mm	560mm	455 kgs			
MAXIMUM SLOPE (%)		+/- 2%						
ALIGNEMENT TOLERANCE		+/- 6.00mm						



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HYDRAULIC SKIDDING - 400 TONNES SYSTEM

The HS-XP400 – 400 Tonnes Sliding and Skidding System is an advanced solution designed for the precise and efficient movement of heavy loads in confined spaces.

This system is highly valued across various industries, including construction, shipbuilding, and heavy machinery relocation, due to its ability to handle substantial weight with ease. Each track provided 200 tonnes safe working capacity.

It employs a combination of hydraulic power and specialised skidding tracks to ensure smooth, controlled movement, significantly reducing the risk of damage to both the load and the surrounding infrastructure to accommodating a wide range of applications



JACK	CAPACITY	CAPACITY	CLOSED HEIGHT	SLIDING	MAXIMUM	MAXIMUM	CO-EFFICIENT	WEIGHT
CODE	PUSH (kNs)	PULL (kNs)		SURFACE	STROKE	PRESSURE	OF FRICTION	(KGS)
HS-XP400	4000	2500	245	PTFE	305	700 bar	10-15%	-
SPECIFICATION		LENGTH	WIDTH	HEIGH	WEIGHT			
TRACK SECTION		2068mm	340mm	195mm	160 Kgs			
SLIDER PAD		300mm	300mm	45mm	4.0 Kgs			
HYDRAULIC HOSES		16mtrs	40mm	40mm	10.1 Kgs			
PUSH/PULL HEAD		305mm	380mm	175mm	46.4 Kgs			
CYLINDER ASSEMBLY		925mm	390mm	175mm	114.1 Kgs			
FULL SYSTEM BOX		1100mm	860mm	940mm	94 Kgs			
MAXIMUM SLOPE (%)		+/- 2%						
ALIGNEMENT TOLERANCE		+/- 6.00mm						

SKIDDING

HYDRAULIC SKIDDING - 500 TONNES SYSTEM

The HS-XP500 - 500 Tonnes Sliding and Skidding System represents a cutting-edge advancement in the field of heavy load transportation within constrained environments.

This sophisticated HS-XP500 system is celebrated across a multitude of industries such as construction, shipbuilding, and heavy machinery being a world-leading system for bridge launching. In addition; twinning tracks provide a 1000 tons PUSHing System.

This system uses rigid steel tracks designed to carry loads over unsupported spans, engineered to push loads upto 500 tons (460 tonnes), and has a working height of only 205mm; with a durable graphite sliding surface to reduce friction resistance.



JACK	CAPACITY	CAPACITY	CLOSED HEIGHT (mm)	SLIDING	MAXIMUM	MAXIMUM	CO-EFFICIENT	WEIGHT
CODE	PUSH (kNs)	PULL (kNs)		SURFACE	STROKE	PRESSURE	OF FRICTION	(KGS)
HS-XP500	5000	2275	205mm	Graphite	330mm	700 bar	15-20%	-
SPECIFICATION		LENGTH	WIDTH	HEIGH	WEIGHT			
TRACK SECTION		3 to 6 mtrs	445mm	180mm	785-1570 kgs			
SKID SHOE (4no.)		660mm	460mm	150mm	91 kgs			
HYDRAULIC HOSES		16mtrs	40mm	40mm	10 kgs			
CYLINDER ASSEMBLY (2no.)		575mm	200mm	Within Track	145 kgs			
STORAGE RACK		1040mm	990mm	840mm	467 kgs			
FULL SYSTEM BOX		1100mm	860mm	560mm	465 kgs			
MAXIMUM SLOPE (%)		+/- 2%						
ALIGNEMENT TOLERANCE		+/- 6.00mm						



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BAR JACKING - LIFTING, LOWERING + SLIDING

The Hydra-Capsule Limited Bar Jacking and Sliding System is an innovative engineering solution designed for the precise movement of heavy structures.

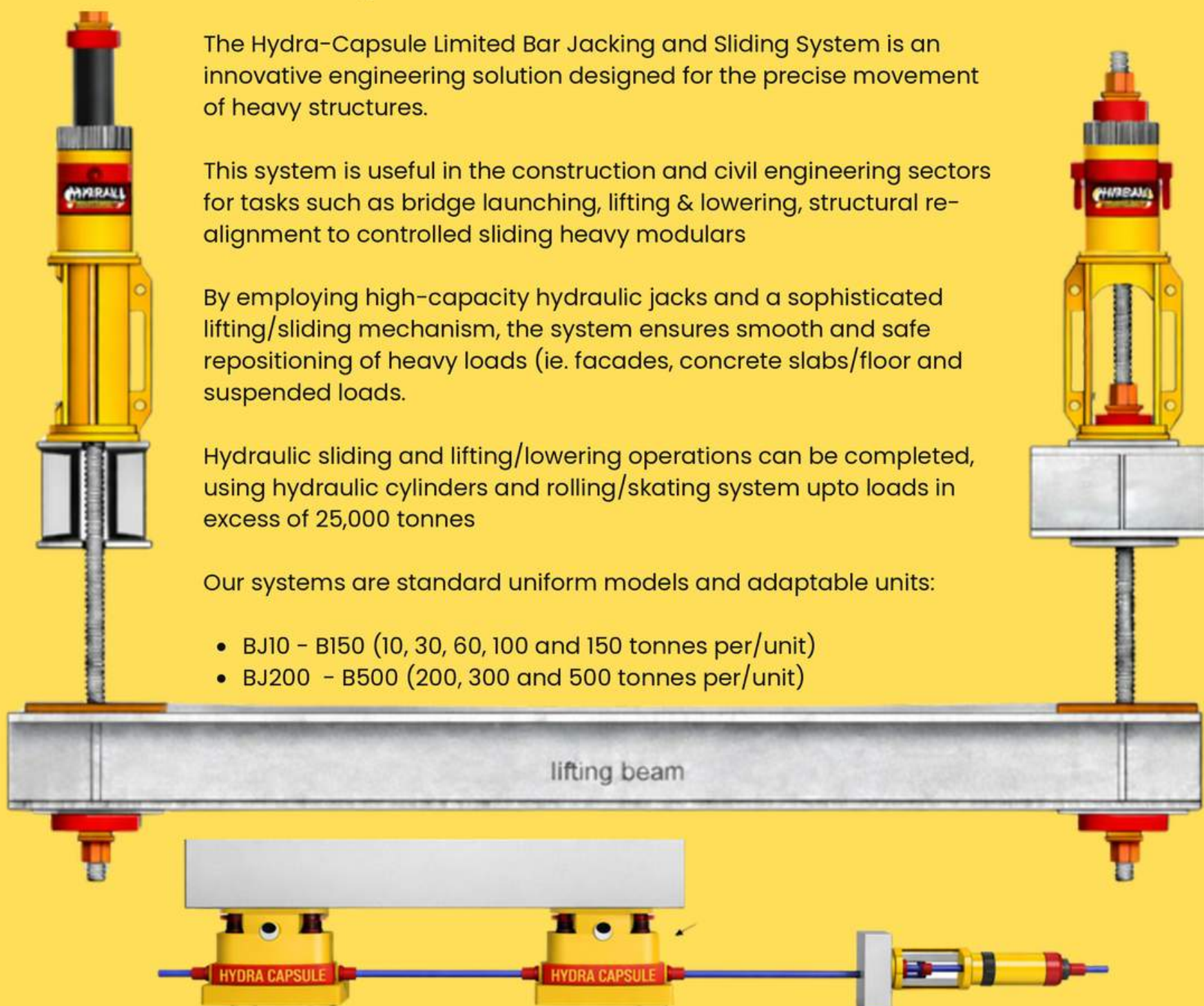
This system is useful in the construction and civil engineering sectors for tasks such as bridge launching, lifting & lowering, structural re-alignment to controlled sliding heavy modulares

By employing high-capacity hydraulic jacks and a sophisticated lifting/sliding mechanism, the system ensures smooth and safe repositioning of heavy loads (ie. facades, concrete slabs/floor and suspended loads).

Hydraulic sliding and lifting/lowering operations can be completed, using hydraulic cylinders and rolling/skating system upto loads in excess of 25,000 tonnes

Our systems are standard uniform models and adaptable units:

- BJ10 - B150 (10, 30, 60, 100 and 150 tonnes per/unit)
- BJ200 - B500 (200, 300 and 500 tonnes per/unit)



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BOX / CLIMBING JACK SYSTEM

Hydraulic climbing jack system is an innovative solution designed for heavy lifting and precise positioning of oversized loads.

This system utilizes hydraulic jacks that are capable of incrementally lifting and moving large structures, such as bridges, industrial equipment, heavy machinery, with remarkable accuracy & control.

Using a combination of timber cribbing or steelwork bolted sections to lift in excess of 4-5 metres, in a controlled manner.



CASSETTE JACK	MODEL	MODEL	MODEL	MODEL	MODEL
SPECIFICATION	HBJ-50	HBJ-100	HBJ-150	HBJ-200	HBJ-350
System Capacity	500 kNs	950 kNs	1480 kNs	1950 kNd	3500 kNs
Max. Load Capacity	500 kNs	1000 kNs	1500 kNs	2000 kNs	3600 kNs
Closed height	365mm	400mm	460mm	475mm	500mm
Oil Capacity	1.5	3.7	4.9	6.9	10.1
Stroke	150mm	150mm	150mm	150mm	150mm
Loading Surface	Timber Crib	Timber Crib	Steel / Timber Crib	Steel / Timber Crib	Steel Crib
Pressure (Bar)	700 Bar	700 Bar	700 Bar	700 Bar	700 Bar
Base Dimensions	430mm x 430mm	610mm x 610mm	650mm x 650mm	710mm x 710mm	850mm x 850mm
System Weight	136 Kgs	340 Kgs	495 Kgs	658 Kgs	750 Kgs

HEAVY-LIFT

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CASSETTE JACK-UP LIFTING SYSTEM

Cassette Jack-Up Box System is an innovative heavy-lifting solution designed for projects that require precise and controlled elevation of massive structures. This system employs a series of synchronised hydraulic jacks that can lift and lower loads in small, incremental steps, ensuring stability and safety throughout the process.

Each jack unit is equipped with a self-locking mechanism that maintains the load's position, even if hydraulic pressure is lost, providing an extra layer of security. The modular design allows for easy transportation and assembly on-site, making it an adaptable solution for heavy-lifting projects



CASSETTE JACK-UP	MODEL	MODEL	MODEL	MODEL	MODEL
SPECIFICATION	CBJ-75DA	CBJ125DA	CBJ150SA	CBJ250DA	CBJ500SA
System Capacity	1000 kNs	1500 kNs	2000 kNs	3500 kNs	6000 kNs
Max. Load Capacity	750 kNs	1350 kNs	1500 kNs	2500 kNs	5000 kNs
Closed height	750mm	1025mm	1075mm	1650	1650
Lifting Height	3.6 metres	6.0 metres	6.0 - 8.0 metres	10.0 metres	10.0 - 12.0 metres
Stroke	300mm	300mm or 500mm	300mm or 500mm	300mm or 500mm	500mm
Max Sideload	3% @ 3.6m	3% @ 6m	3% @ 8m	3% @ 10m	4% @ 12.0m
Pressure (Bar)	700 Bar	700 Bar	700 Bar	700 Bar	700 Bar
Base Dimensions	750 x 850	1200 x 1100	1200 x 1100	2500 x 2350	2500 x 2350
System Weight	875 Kgs	2400 Kgs	2650 Kgs	7500 Kgs	15000 Kgs
Hydraulic Type	Double-Acting	Double-Acting	Lifting Up Only (Hydraulic Return)	Double-Acting	Lifting Up Only (Hydraulic Return)

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CASSETTE JACK-UP ACCESSORIES

Introducing our state-of-the-art Hydraulic Cassette Box Jack-Up System Accessories, designed to elevate your construction efficiency to new heights.

Our comprehensive range includes a robust sliding system for seamless movement and precise positioning to the bracing system provides unparalleled stability, safeguarding your projects against unforeseen challenges.

In conjunction Our hydraulic power packs deliver reliable force and control, while the sliding beams facilitate effortless transitions. The innovative jackable adjustment frame allows for swift modifications, enhancing adaptability.



CASSETTE JACK-UP	MODEL	MODEL	MODEL	MODEL	MODEL
SPECIFICATION	CBJ-75DA	CBJ125DA	CBJ150SA	CBJ250DA	CBJ500SA
Brace System	Design - subject to lift specification				
Casset Boxes (300+500mm)	750-1000 kNs	1350 kNs	1500 kNs	2500 kNs	5000 kNs
Hydraulic Jacking	50 - 300mm	50- 200mm	50 - 300mm	50 - 500mm	50 - 500mm
Sliding Beams	2x 152UC Tri-Beam	2x 203UC Tri-Beam	2x 254UC Tri-Beam	2x 305UC Tri-Beam	2x 355UC Tri-Beam
Jacking & Adjustment Frame	150mm Locking Collar + Swivel	150mm Locking Collar + Swivel	150mm Locking Collar + Swivel	150mm Locking Collar + Swivel	150mm Locking Collar + Swivel
Sliding Unit / Frame	150 - 400 tonnes upto 20 metres	150 - 400 tonnes upto 20 metres	150 - 400 tonnes upto 20 metres	400 tonnes upto 50 metres	500 tonnes upto 75 metres
System Weight	-	-	-	-	-
Bespoke items and units can be developed and engineered to suit project requirement(s)					



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ROLLER / SKATING SYSTEMS

High-load Rollers + Hydraulic Jacking Sliding Units are specialised equipment used in heavy load transportation and positioning tasks.

These units are essential in industries such as construction, manufacturing, launching, and infrastructure projects; where moving large and heavy objects is a regular requirement.

Rollers, known for their durability and efficiency, are designed to facilitate the smooth movement of heavy loads across surfaces, minimizing friction.

Hydraulic jacking sliding units, on the other hand, provide the necessary lift and precision movement for aligning and positioning loads.



Rollets/Skate Code	Capacity (tonnes)	Closed Height	Length (mm)	Width (mm)	Type	Maximum Pressure (Bar)	Fluid (Litres)	Weight (Kgs)
SKATE-15	15	100	270	135	ROLLER	-	-	21 kgs
SKATE-20	20	100	270	165	ROLLER	-	-	24 kgs
SKATE-35	35	140	380	185	ROLLER	-	-	81 kgs
SKATE-100	100	165	695	200	ROLLER	-	-	121 kgs
SKATE-150	150	170	575	525	ROLLER	-	-	127 kgs



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ROLLER / SKATING SYSTEMS

Rollets/Skate Code	Capacity (tonnes)	Closed Height	Length (mm)	Width (mm)	Type	Stroke (mm)	Maximum Pressure (Bar)	Fluid (Litres)	Weight (Kgs)
SKATE-200	200	170	615	540	ROLLER	-	-	-	105 kgs
SKATE-300	300	255	865	530	ROLLER	-	-	-	118 kgs
SKATE-350	350	255	1015	530	ROLLER	-	-	-	123 kgs
SKATE-400	400	255	1170	530	ROLLER	-	-	-	167 kgs
JACKSLED-50	50	115	320	220	ALI-BRONZE JACK SHOE	100	700	1.9	45 kgs
JACKSLED-180	180	315	315	215	PTFE PAD JACK-SHOE	100	700	1.66	68 kgs
JACKSLED-300	300	330	330	245	PTFE PAD JACK-SHOE	100	700	2.4	147 kgs

HEAVY-LIFT



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HYDRAULIC TURNTABLES

Hydraulic turntables are innovative devices designed to facilitate the rotation and positioning of heavy loads with precision and ease. These turntables utilize hydraulic systems to provide smooth, controlled movement, making them ideal for industries such as manufacturing, transportation, and construction, where maneuvering large and unwieldy objects is often required.

The hydraulic mechanism ensures that the turntables can handle substantial weights while offering fine control over the rotation speed and angle.



TURNTABLE	MODEL	MODEL	MODEL	MODEL
SPECIFICATION	TT-06	TT-7.5	TT-08	TT-10
System Capacity	1350 kNs	2050 kNs	2270 kNs	2270 kNs
Max. Load Capacity	1360 kNs	4080 kNs	4540 kNs	8160 kNs
Turntable Height	115mm	152mm	152mm	152mm
No. of Push Cylinders	2	1 or 2	1 or 2	1, 2 or 4
Stroke	254mm	362mm	362mm	362mm
Rotation Speed	90 degree / 3 min	90 degree / 7 min	90 degree / 7 min	90 degree / 9 min
Loading Surface	Rubber	Rubber	Rubber	Rubber
Pressure (Bar)	700 Bar	700 Bar	700 Bar	700 Bar
Base Dimensions	1.83m x 1.83m	2.29m x 2.29m	2.44m x 2.44m	3.05m x 3.05m
Rotating Plate	1830mm	2290mm	2440mm	3050mm
System Weight	745 Kgs	2550 Kgs	2900 Kgs	4300Kgs

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STRAND JACKS

Hydraulic strand jacking is a powerful and precise method used in construction and engineering to lift or reposition heavy structures.

This technique involves the use of hydraulic jacks, which apply a controlled force to steel strands or cables, allowing for the gradual and safe lifting of large loads. It is commonly employed in projects such as bridge construction, heavy equipment installation, and the erection of tall structures where traditional lifting equipment might be impractical or insufficient (bespoke



Jack Code	Capacity (tonnes) / PUSH	Number of Strands	Closed Height (H)	Outside Dia. (Approx)	Type	Stroke (mm)	Maximum Pressure	Factor of Safety (%)	Weight (Kgs)
STRAND-10	15	1	1825	150	D/A (manual/auto)	500	150 / 300	2.5	150
STRAND-45	45	3	1730	250	D/A (manual/auto)	500	150 / 300	2.5	550
STRAND-60	60	4	1730	300	D/A (manual/auto)	500	150 / 300	2.5	580
STRAND-105	105	7	1775	370	D/A (Auto)	500	150 / 300	2.5	885
STRAND-200	185	12	1900	450	D/A (Auto)	500	150 / 300	2.5	1450
STRAND-300	300	19	1950	600	D/A (Auto)	500	150 / 300	2.5	2200
STRAND-415	415	27	2075	750	D/A (Auto)	500	150 / 300	2.5	3150
STRAND-600	600	38	2115	850	D/A (Auto)	500	150 / 300	2.5	4330



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SYNCHRONISED LIFTING PUMPS

Hydraulic synchronised pumps and monitoring systems play a crucial role in various industrial applications, ensuring precision and efficiency in operations involving heavy loads. Below is only selection, and offer 2 to 16-way outlets.

These systems utilize multiple hydraulic pumps working in harmony to distribute force evenly, preventing mechanical imbalance and potential equipment failure. The synchronisation is achieved through advanced control algorithms and sensors that monitor pressure, flow rate, and pump performance in real-time.



Jack Code	Power (Volts)	Description	Model / Make	Flow-Rate (litre/min)	Type
SF-HF/02	110V / Petrol	Split-Flow 2-Way Sync-Pump - 700 Bar	Hydra-Capsule	2.20	S/A or D/A
SYNC-04HF	440V / 3 Phase	Multi-Flow 4-Way Sync-Pump (PLC)	Hydra Capsule	8.80	S/A or D/A
SYN-06AHE	110V (16/32Amps)	Multi-Flow 6-Way Sync-Pump (PLC)	HCL / AHE	1.50 - 3.50	S/A
SYN-08EN	440V / 3 Phase	Split-Flow Sync-Pump - Pendant Control	Enerpac	3.0 - 6.0	D/A
SYNC-14HL	110V & 440V / 3 Phase	Split-Flow 10-Way and 14-Way Sync-Pump (PLC and Manual Control Options)	AHE / Hevilifts	4.0 - 6.0	S/A or D/A
SYNC-14EN	440V / 3 Phase	Multi-Flow 14-Way Sync-Pump (PLC)	Hevilifts	0.5 - 0.75	D/A
SYNC-8(110)	110V (32Amps)	Multi-Flow 8-Way Sync-Pump (PLC)	Hydra Capsule	0.25 - 0.50	S/A or D/A
ESYNC-04	Battery / Electric	Split-Flow Electric/Battery-Powered E-Sync Pump and Computer-Control	Hytec	0.25 - 0.30	D/A

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MANUAL / DIGITAL PULL & ANCHOR TESTERS

Digital pull testers provide enhanced functionality with electronic components that offer precise measurements and digital readouts. They often include features such as data logging, which allows for storing and analyzing test results.

Both types of testers are essential tools in ensuring the reliability and safety of construction projects, helping to verify that anchors and fixings meet required standards and specifications.



Anchor Pull Test	MODEL	MODEL	MODEL	MODEL	MODEL
SPECIFICATION	PT-025	PT-060	PT-12 to PT100	PT-150 to PT-200	PT-300 to PT-500
System Capacity	25 kNs	60 kNs	120 - 1,000 kNs	1,500 - 2,000 kNs	3,000 - 5,000 kNs
Max. Load Capacity (kNs)	25 - 27.5 kNs	30 - 65 kNs	120 - 1,000 kNs	1,500 - 2,000 kNs	upto 5,000 kNs
Closed height	-	-	-	-	-
Accessories	High-Load Bridge	Digital App and Logging	Jacking Stool / Adaptor	Jacking Stool / Adaptor	Jacking Stool / Adaptor
Adaptors	M6 to M20	M6 to M20	M12 to M30	M30 to M60	M60 to M120
Loading Surface	-	-	Jacking Stool	Jacking Stool	Jacking Stool
Pressure (Bar)	Manual	Manual	700 Bar	700 - 1500 Bar	700 - 1500 Bar
Base Dimensions	-	-	-	-	-
System Weight	4.1	11.8	10.8 - 38.9	40.8 - 112	134 - 320.5
Hydraulic Type	Manual / Spanner	Manual / Spanner	Hydraulic Pump	Hydraulic Pump	Hydraulic Pump

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HYDRAULIC HAND PUMPS

Hydraulic hand pumps are robust, manually operated devices designed to generate high pressure for various applications, such as clamping, lifting, or testing.

These pumps are commonly used in industrial settings where precise control and portability are essential. Constructed from durable materials, they are capable of withstanding significant pressure and are equipped with features such as ergonomic handles, pressure gauges, and safety valves to ensure user safety and efficient operation



Jack Code	Speed	Description	Model / Make	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
HP-01	S/A + 1-Speed	Single Acting, One-Speed - Lightweight	Hytec / Enerpac	700 Bar	0.9	4.1
HP-02	S/A + 2-Speed	Single Acting, Two-Speed - Steel	BVA / Enerpac	700 Bar	2.2	10.7
HP-04 HP-05	S/A + 2-Speed	Single Acting, Two-Speed - Steel & Alu.	Hytec / Tangye	700 Bar	4.1	14.1
HP-05/DA	D/A + 2-Speed	Double-Acting, Two-Speed - Steel	Tangye / PowerTeam	700 Bar	5.7	16.3
HP-10	S/A + 2-Speed	Single Acting, Two-Speed - Steel	Vanguard / Powerteam	700 Bar	9.5	27.2
HP-10/DA	D/A + 2-Speed	Double-Acting, Two-Speed - Steel	Hytec / PowerTeam	700 Bar	9.6	28.4
HP-025	S/A + 2-Speed	Single Acting, Two-Speed - Steel	Hytec / Tangye	700 Bar	28.2	39.7

PUMPS



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HYDRAULIC ELECTRIC PUMPS

Hydraulic electric powered packs are an essential component in various industrial applications, that are at the forefront of delivering high-performance solutions.

These pumps are designed to generate immense pressure, up to 10,150 psi, which is vital for tasks requiring significant force, such as lifting, pressing, or clamping in manufacturing and construction settings. Electric pumps are favoured for their reduced noise levels & ease of control.



Jack Code	Power (Volts)	Description	Model / Make	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
BP-01	Battery	Cordless / Battery Hand-Held Pump	Hytec / Enerpac	700 Bar	1.1	9.8
BP-02/DA	Battery	Double-Acting Cordless / Battery Pump	Hytec / Enerpac	700 Bar	2.1	11.7
EP-04	110V (16/32Amps)	Hydraulic Electric Pump - S/A Valve Blocks	Hytec	700 Bar	4.1	28.9
EP-05	110V (16/32Amps)	Hydraulic Electric Pump - D/A Valve Blocks	Hytec	700 Bar	4.9	30.1
EP-05HF	110V (16/32Amps)	Hydraulic Vanguard Electric Pump - D/A Valve Blocks	Vanguard / Powerteam	700 Bar	4.9	28.7
EP-25	110V (16/32Amps)	Same as Above	Hytec / Powerteam	700 Bar	26.1	43.6
EP-20/ZE-3P	110V (32A) / 440V	Digital and Electric-Power Pump - S/A+D/A Blocks	Enerpac	700 Bar	20-26.7	80.1
EP-40HF	110V (16/32Amps)	Hydraulic Vanguard Electric Pump - D/A Valve Blocks	Hytec / Powerteam	700 Bar	40.2	62.2



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HYDRAULIC ACCESSORIES

When working with high-pressure hydraulic systems, such as those operating at 700 bar, the quality and reliability of accessories are paramount to ensure safety and efficiency. Below is a small selection (Request for full range of items)

We offer full range of accessories ranging from Analogue/Digital pressure gauges, hydraulic hoses upto 50 metres, manifold block arrangements and movement sensors, valve-blocks & fittings, to accommodate hydraulic jacking applications



Jack Code	Descriptions	Type	Pressure SWL (Bar)	Selection Range
HH-XX	Hydraulic Hose	1/4", 3/8" + 1/2"	150 - 1600	0.3 - 50 metres
QRC-XX	Hydraulic Couplers / Fittings	1/4", 3/8" + 1/2"	150 - 1600	Steel, Alu. + High Carbon
PG-XX	Hydraulic Analogue, Force and Digital Pressure Gauge	1/4", 3/8" + 1/2"	1 - 1600	60mm to 200mm Dia.
HM-V-XX	Hydraulic Manifold Split-Flow and Isolation Control Valves	1/4" and 3/8"	160 - 1600	1 to 16-way Outlet
HM-XX	Hydraulic Manifold Split-Flow / Bar Manifold & Splitter(s)	1/4" and 3/8"	160 - 1600	1 to 16-way Outlet
HY-FIT-XX	Hydraulic Fittings - Adaptors, Tees, Connectors + Etc	1/4", 3/8" + 1/2"	160 - 1600	Steel, Alu. + High Carbon
HY-VALV-XX	Hydraulic Valves - Solenoids, In-line, Control Switches, Check-Valves from Lowering/Flow and Needle Valves	-	20 - 1600	Electrical, Manual and Lowering / Flow-Feed
HY-MONT-XX	Hydraulic Movement, Pressure and Control Sensors	Dial Gauges, Transducers etc	upto 1600 Bar	0.01 to 2000mm stroke movement... 5 to 1600 Bar

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TESTING, CALIBRATION, SERVICING & REPAIRS

Our comprehensive facility is designed to support servicing, repair and testing/calibration of all hydraulic equipment.

We offer thorough inspection, testing/calibration for a wide array of products. With fully tracability, UKAS and LOLER certification from 1-1600 Bar pressure and Load-Testing upto 1,500 tonnes.

Our depots are fully equipped and staffed by competent engineers, ensuring the highest standards of service.

Our facilities have the ability for a large range of equipment:

- Hydraulic Cylinders & Jacks - upto 1,500 tonnes proof-load
- Bridge Bearing testing - vertical and horizontal loading
- Full Data-logging and Report Testing
- Hydraulic Electric Pumps
- Hydraulic Hand, Air and Electric/Battery Operated Pumps
- Manual and Hydraulic Torquing Wrenches / Tools
- Pressure Gauges - Calibration upto 1600 Bar
- Stressing / Post-Tensioning Cylinders & Equipment



Fast Turnaround Times



Fast Track "While You Wait"
Calibration Service



UKAS Traceable Calibration
Certificates Provided



Calibration of Hydraulic Cylinders,
Bolt Tensioners, Torque Wrenches and
Hydraulic Equipment up to 1500 tonnes
and 1600 Bar



Calibration of Pressure Gauges
up to 1600 Bar Max



Each Calibration Comes with
Printed Certificate and a Digital Copy



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BOLT-TENSIONING AND HYDRAULIC TORQUING APPLICATIONS

Bolt Tensioning & Torquing Applications

Shown below are a few examples of Hydraulic bolt-tensioning, stressing and hydraulic torquing applications. Hydra Capsule stock a vast range of cylinders (from 16—400 tonnes) and bolting/torquing tools (from 230 N/m to 71,800 N/m capacity range), available for hire, sales and contractual service, for over 40 years in the industry.

Hydraulic Bolt Tensioning

Hydraulic bolt tensioning tools used for precise tightening of multiple bolts simultaneously to achieve accurate preload with uniform joint compression.



Hydraulic Cable / Strand Tensioning

Hydraulic cable tensioning jacks designed to precisely tension and secure cables, strands or tendons by applying accurate preload and uniform tension.



Hydraulic Bar Stressing

Hydraulic jacking systems used for tensioning high-strength bars and tendons to accurately apply axial force, securing bars with precise preload.



Hydraulic Flange Torquing

Hydraulic torque wrench systems used to apply accurate torque to flange bolts, ensuring uniform clamping force in critical flanged connections across multiple sectors.



HYDRA-CAPSULE®

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Giving Construction Our Support

OUR FACILITIES HAVE THE ABILITY FOR A LARGE RANGE OF EQUIPMENT:

- Hydraulic Cylinders & Jacks – upto 1,500 tonnes proof-load
- Bridge Bearing testing – vertical and horizontal loading
- Full Data-logging and Report Testing
- Hydraulic Electric Pumps
- Hydraulic Hand, Air and Electric/Battery Operated Pumps
- Manual and Hydraulic Torquing Wrenches / Tools
- Pressure Gauges – Calibration upto 1600 Bar
- Stressing / Post-Tensioning Cylinders & Equipment
- Testing and Calibration of upto 700 Bar
- Testing and Calibration upto 1600 Bar
- Tensioning Testing upto 1200 tonnes proof-load
- Torquing upto 72,000 N/mm²

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HYDRAULIC BOLT TENSIONERS

Hydraulic bolt tensioners are precision tools used in various industrial applications to ensure that bolts are tightened accurately and uniformly. Unlike traditional methods that rely on torque, hydraulic pressure to stretch the bolt, allowing the nut to be turned down with minimal friction. Typical use in heavy machinery & crane base grillages.



Bolt Load-Cell Jack	Load SWL (kNs)	Bolt / Stud Dia. Adaptor Range (mm)	Bolt / Stud Dia. Adaptor Kit	Min. Bolt Protrusion Nut (mm)	Hydraulic Area (mm ²)	Maximum Pressure (700 Bar)	Approx Weight (Kgs)	Jack Dimension Data
BT16-10	160	M20 - M22	3/4" - 7/8"	20	1,067	1500	1.4	(SRBTA-0)
BT28-10	280	M24 - M27	1" - 1-1/8"	24 - 29	1,867	1500	2.7	(SRBTA-1)
BT45-10	450	M24 - M36	1" - 1-3/8"	24 - 36	3,001	1500	4.1	(SRBTA-2)
BT65-10	660	M33 - M42	1-1/4" - 1-5/8"	32 - 42	4,401	1500	5.4	(SRBTA-3)
BT100-10	1000	M39 - M48	1-1/2" - 2"	38 - 51	6,668	1500	8.4	(SRBTA-4)
BT150-10	1500	M52 - M70	2" - 2-3/4"	51 - 70	10,003	1500	13.8	(SRBTA-5)
BT250-10	2500	M72 - M90	2-3/4" - 3-1/2"	70 - 90	16,671	1500	23.1	(SRBTA-6)
BT320-10	3200	M90 - M100	3-12" - 4"	89 - 102	21,339	1500	32.1	(SRBTA-7)
BT410-10	4100	M105 - M115	4" - 4-1/4"	102 - 115	27,340	1500	45.2	(SRBTA-8)

TENSIONERS





HYDRAULIC BOLT TENSIONERS

Hydraulic bolt tensioner - Full auto spring return, with 10-15mm stroke
Safe Working Pressure up to 1500 bar (metric and imperial options)
Load Capacities from 160 kNs (16 tonnes) to 4150 kNs (415 tonnes)



Bolt Load- Cell Jack	Outside Diameter (mm)	Closed Height (Cell and Stool) (mm)	Allowance Gap for Tool Removal (mm)	Load Cell Height (mm)	Stool Height (mm)	Max. Stool Width (mm)	Min. Spacings Between Bolts c/c's (mm)
BT16-10	66	93	136 - 144	57	36	63	49.8 - 51.1
BT28-10	87	117 - 120	175 - 181	79	38 - 41	68 - 72	56.5 - 68.3
BT45-10	103	117 - 126	175 - 196	79	38 - 47	75 - 89	64.3 - 78
BT66-10	118	123 - 133	192 - 211	79	44 - 54	88 - 105	75.9 - 91
BT100-10	141	132 - 145	212 - 236	79	51 - 63	112 - 120	91.6 - 106.8
BT150-10	176	148 - 167	248 - 284	85	63 - 81	120 - 156	114 - 141.3
BT250-10	219	167 - 186	297 - 334	85	82 - 101	157 - 205	145.5 - 182
BT320-10	252	186 - 199	341 - 364	85	101 - 114	200 - 210	176.1 - 186
BT410-10	282	199 - 212	378 - 400	85	114 - 127	210 - 232	195 - 208

TENSIONERS



SQUARE DRIVE HYDRAULIC TORQUE WRENCHES

Square drive hydraulic torque wrenches are powerful tools used in various industrial and mechanical settings to apply precise torque to fasteners.

These wrenches are essential for tasks that require a high level of accuracy and consistency, such as in the assembly of heavy machinery, pipeline construction, and maintenance of large structures.

The square drive mechanism allows for easy attachment of sockets to fit different bolt sizes, offering versatility in operations.



Jack Code	Min. Torque (N/m)	Max. Torque (N/m)	Square Drive	Length (mm)	Width (mm)	Distsnce (Tool-Arm)	Thickness (mm)	Maximu m Pressure	Torque Width to Thread	Weight (Kgs)
HYSTQ-01	230	1915	3/4"	132	170.1	111.5	39.5	700	67.7	2.9
HSTQ-03	510	4250	1.0"	165	197.7	129.6	53.1	700	84.7	5.3
HSTQ-06	985	8200	1-1/2"	192	243.7	158.5	61.1	700	99.9	8.8
HSTQ-050	8626	5300	2-1.2"	404.5	446.6	265.8	115.1	700	192.2	69.1

TORQUE



SOCKETS AND ADAPTORS

Hydraulic sockets are designed to fit specific sizes and types of connectors, ensuring tight seals to prevent leaks. Adaptors, on the other hand, provide versatility by allowing different types of connections, such as converting thread types or sizes. We offer much more than the selection below.



Impact Socket - 3/4"		Impact Socket - 1"		Impact Socket - 1-1/2"		Impact Socket - 2-1/2"		Male Hex Adaptor Drive	
Imperial (inch")	Metric (mm)	Imperial Size (inch")	Metric (mm)	Imperial (inch")	Metric (mm)	Imperial (inch")	Metric (mm)	Wrench Size	Drive Size A/F
7/8"	22mm	7/8"	24mm	1 - 13/16"	41mm	-	-	Model-01	5/8" to 1"
1 - 1/16"	24mm	1 - 1/16"	32mm	2"	60mm	-	-		or
1 - 1/4"	32mm	1 - 1/4"	36mm	2 - 3/16"	60mm	-	-		17-27mm
1 - 3/8"	36mm	1 - 3/8"	46mm	2 - 3/8"	65mm	3 - 1/8"	-	Model-03	5/8" to 1-5/8"
1 - 7/16"	41mm	1 - 7/16"	50mm	2 - 9/16"	70mm	3 - 3/8"	-		or
1 - 5/8"	46mm	1 - 5/8"	55mm	2 - 3/4"	75mm	3 - 12"	80mm		17mm-41mm
1 - 13/16"	50mm	1 - 13/16"	60mm	2 - 15/16"	80mm	3 - 3/4"	85mm	Model-06	5/8" to 1-5/8"
2"	-	2"	65mm	3 - 1/8"	85mm	3 - 7/8"	90mm		or
2 - 3/16"	-	2 - 3/16"	70mm	3 - 3/8"	90mm	4 - 1/8"	95mm		17mm-41mm
2 - 3/8"	-	2 - 3/8"	80mm	3 - 12"	95mm	4 - 1/4"	100mm	Model-11	1-1/8 - 1-3/4"
-	-	-	85mm	3 - 3/4"	-	4 - 5/8"	110mm		or
-	-	-	90mm	-	110mm	5"	115mm		27-46mm
-	-	-	95mm	4 - 1/8"	115mm	5 - 3/8"	-	Model-25	1-12 - 2-3/4"
-	-	-	100mm	4 - 1/4"	120mm	5 - 3/4"	135mm		or
-	-	-	110mm	4 - 5/8"	-	6 - 1/8"	150mm		36-70mm



LOW PROFILE HYDRAULIC TORQUE WRENCHES

Low profile hydraulic torque wrenches are specialized tools designed for applying precise torque to fasteners, particularly in tight or confined spaces where traditional wrenches cannot easily fit.

These wrenches are essential in industries such as oil and gas, petrochemical, and power generation, where precision and reliability are paramount. Due to their compact design, they can access bolts in crowded machinery or flanges, making them ideal for maintenance and installation tasks.

The hydraulic mechanism allows for delivering high torque with minimal physical effort, reducing the risk of injury and ensuring consistency in fastening.



Torque Wrench Code	Min. Torque (N/m)	Max. Torque (N/m)	Nut Range (mm)	Nut Range (inch)	Length (mm)	Width to Hex Centre (mm)	Thickness (mm)	Max. Pressure (Bar)	Body Weight (Kgs)
HLW-LP02	256	2134	26 - 60	1-1/8" to 2-3/8"	180 - 185	97	32	700	1.1
HLW-LP04	510	4250	33 - 80	1-5/16" to 3-1/8"	227 - 230	120	42	700	2.1
HLW-LP08	985	8200	49 - 100	1-7/8" to 3-15/16"	274 - 277	147	54	700	3.5
HLW-LP15	8626	5300	62 - 116	2-7/16" to 4-5/8"	313 - 326	174	63	700	7.1
HLW-LP30	4680	39050	80 - 155	3-1/8" to 6-1/16"	393 - 400	223	82	700	14.5



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HYDRAULIC TORQUE WRENCHES ACCESSORIES

Jack Code	Descriptions	Type	Pressure SWL (Bar)	Selection Range
HHTRQ-XX	Hydraulic Hose	1/4" + 3/8"	700	0.3 - 25 metres
TRQ-XX	Hydraulic Couplers / Fittings	1/4", 3/8" + 1/2"	700	Steel + Alloy
TRQPG-XX	Hydraulic Analogue and Digital Pressure Gauge	1/4", 3/8" + 1/2"	700	60mm to 200mm Dia.
TRQHM-XX	Hydraulic Manifold Split-Flow / Splitter(s)	1/4" and 3/8"	700	1 to 16-way Outlet
TRQPAD-XX TRQARM-XX	Torque Reaction Pad/Paddle and Short Extended Arm	360 degree	Steel Alloy	75mm or 115mm 204mm - 306mm
TRQBARL-XX	Long Reaction Bar/Arm (In-line / outside of wrench profile range)	Locking Pin/Fixed	Steel / light Alloy	381mm - 500mm Extra extension



HYDRAULIC SPREADERS / WEDGES

HWEDG-01	Hydraulic Spreader Wedge - 1 tonne	S/A + S/R	700	Tip C/H = 13mm Stroke = 95mm
HLW-15	Hydraulic Lifting Wedge Jack (incl. Stepped Blocks) - 15 tonnes	S/A + S/R	700	Tip C/H = 11mm Stroke = 20 - 55mm
HSWEDG-15	Hydraulic Spreader Wedge (Single-Acting) c/w Steps - 15 metric tons	S/A + S/R	700	Tip C/H = 5mm Stroke = 10 15mm

HYDRAULIC NUT SPLITTERS

Hydraulic nut splitters are indispensable tools in the industrial and construction sectors, designed to remove seized or corroded nuts efficiently and safely without damaging the bolt or surrounding equipment.

These devices utilize hydraulic pressure to drive a sharp cutting blade into the nut, splitting it in half, which allows for easy removal.

They are particularly useful in environments where rust, dirt, or paint has rendered traditional methods like wrenches or torches ineffective or risky.



Nut Splitter Code	Max. Pressure (Bar)	Nut A/F (mm)	Bolt Diameter (mm)	Nut Range (inch)	Overall Length (mm)	Head Width (mm)	Head Length (mm)	Thickness (mm)	Body Weight (Kgs)
HNS-01	700	30 - 50	M20 - M33	1-1/8" to 2-3/8"	228 - 239	76 - 90	104 - 110	40.5	6.7 - 6.9
HNS-02	700	46 - 70	M30 - M45	1-5/16" to 3-1/8"	305 - 314	102 - 114	132 - 141	57.5	15.8 - 16
HNS-03	700	70 - 105	M45 - M72	1-7/8" to 3-15/16"	406 - 437	132 - 174	189 - 204	80.5	42 - 44
HNS-04	700	110 - 130	M76 - M90	2-7/16" to 4-5/8"	474 - 495	189 - 219	235 - 240	110.5	73 - 75
CUTBLAD	We stock and offer full range of cutting blades for all the above splitter machine								



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HYDRAULIC TENSIONER AND TORQUE PUMPS

Hydraulic tensioners and torque pumps are crucial components in various industrial and mechanical applications, providing precision and efficiency in maintaining and adjusting the tension of bolts and other fasteners. This method is particularly valuable in applications such as in turbines, and pipelines.

Torque pumps, on the other hand, are used to apply a specific torque to fasteners, ensuring they are tightened to the exact specifications required.



Jack Code	Power (Volts)	Capacity (tonnes) / PULL	Model / Make	Maximum Pressure	Fluid (Litres)	Weight (Kgs)
BP-02/DA	Battery	Double-Acting Cordless Torque Pump	Hytec / Enerpac	700 Bar	1.0 - 2.1	13.8 - 15.2
TRQ-04/01	110V (16Amps)	Double-Acting Torque Pump (1-Way)	SPX / Hytorc	700 Bar	2.1	11.7
TRQ-04/04	110V (16Amps)	Double-Acting Torque Pump (4-Way)	SPX / Hytorc	700 Bar	2.1	11.7
HHP-1500	Manual / Hand	Hydraulic High Pressure Hand-Pump (1500 Bar)	Hytec / Nike	1500 Bar	0.5 - 4.0	9.1 - 15.5
HHP4-1500	110V (16 Amps)	High Pressure Electric Pump (2.7 - 0.25 litres per min. flow rate)	SPX / Hytec	1500 Bar	3.9	20.7
HHP8-1500	110V (16 Amps)	High Pressure Electric Pump (4.1 - 0.30 litres per min. flow rate) - PLC Control	SPX / Hytec	1500 Bar	9.2	28.1
Note:	We offer all 1500 Bar accessories - air pumps, hoses, manifolds, gauges and etc to full range of monitoring equipment to suit 700-1600 bar system (and bespoke systems/configurations - please contact us)					

PUMPS



GROUT BAGS - RECTANGULAR

Hydra-capsule grout bags are an innovative solution used in construction and civil engineering for a variety of applications, including ground stabilization, void filling, and structural support.

These grout bags are essentially inflatable fabric forms that can be filled with a cementitious grout mixture to create a solid structure once cured.

The flexibility of the fabric allows the grout bags to conform to irregular shapes and spaces, making them ideal for use in tight or awkward areas.

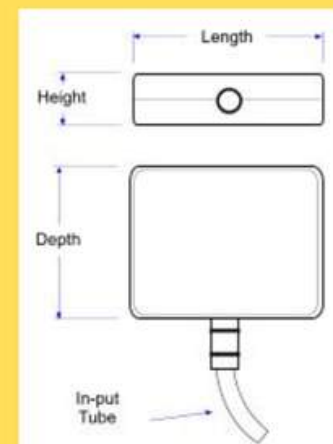


MODEL	LIFTING CAPACITY	CURED CAPACITY	BAG DEPTH	BAG LENGTH	MAX. HEIGHT	MAX. PRESSURE	FILLED WEIGHT
CODE	(tons)	(tons)	(mm)	(mm)	(mm)	(Bar)	(Kgs)
GB-101	0.7	30	150	250	50	4 bar	4
GB-102	1.1	40	200	300	50	4 bar	8
GB-103	1.6	50	250	350	75	4 bar	9
GB-104	2.2	75	300	400	75	4 bar	10
GB-105	2.7	100	350	450	100	4 bar	16
GB-106	3.6	125	400	500	100	4 bar	19
GB-107	4.5	150	450	550	125	4 bar	20
GB-108	5.4	200	500	600	125	4 bar	26
GB-109	6.5	250	550	650	150	4 bar	31
GB-110	7.2	300	600	700	150	4 bar	36



GROUT BAGS - BEAM TYPE

MODEL	LIFTING CAPACITY	CURED CAPACITY	BAG DEPTH	BAG LENGTH	MAX. HEIGHT	MAX. PRESSURE	FILLED WEIGHT
CODE	(tons)	(tons)	(mm)	(mm)	(mm)	(Bar)	(Kgs)
GB-201	0.8	25	100	500	50	4 bar	7
GB-202	1.7	50	100	1000	50	4 bar	12
GB-203	2.6	75	100	1500	50	4 bar	16
GB-204	3.5	100	100	2000	50	4 bar	21
GB-205	4.4	125	150	2500	50	4 bar	25
GB-206	7.8	160	150	3000	75	4 bar	64
GB-207	9.2	250	150	3500	75	4 bar	75
GB-208	10.5	300	150	4000	75	4 bar	86
GB-209	11.2	350	150	4500	75	4 bar	95
GB-210	13.1	400	150	5000	75	4 bar	106
GB-211	19.3	600	200	5500	100	4 bar	204
GB-212	21.1	650	200	6000	100	4 bar	223
GB-213	22.7	700	200	6500	100	4 bar	241
GB-214	25.1	800	200	7000	100	4 bar	259
GB-215	26.7	900	200	7500	100	4 bar	277



GROUT BAGS



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ACROW PROPS - STANDARD + PUSH/PULL

Acrow Props and Push-Pull Props are widely recognised for providing reliable temporary support solutions across construction and engineering projects.

Designed to deliver outstanding strength, stability, and safety, these props play a vital role in supporting structural elements during installation, formwork, and temporary works applications in building, civil and construction markets..



- **Heavy-Duty and Durable:** Manufactured from high-quality steel, Acrow and Push-Pull Props are designed to provide exceptional strength and long-lasting performance on demanding construction sites.
- **Adjustable Support:** Featuring an easy-to-use adjustable mechanism, these props allow precise height and alignment adjustments, making them ideal for a wide range of temporary support applications.
- **High Load Capacity:** Engineered to withstand substantial loads, Acrow and Push-Pull Props provide reliable structural support for vertical and horizontal bracing requirements.
- **Versatile Applications:** Suitable for formwork, falsework, wall support, slab support, precast panel alignment, and temporary structural stabilisation across various construction projects.
- **Ease of Installation:** Designed for quick erection and dismantling, these props help improve on-site efficiency and reduce labour time during installation and removal.
- **Enhanced Safety Features:** Equipped with secure locking pins, adjustable collars, and stable base plates to provide safe and dependable support for workers and structures on-site.
- These **advantages** make Equipment Acrow Props and Push-Pull Props an essential solution for modern construction, delivering dependable temporary support, flexibility, and safety across a wide range of structural applications



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ACROW PROPS - STANDAD & STRONGBOY

Code	Descriptions	Weight
ACR-PROP-00	Acrow Prop No.00 (720mm - 1000mm)	10.0 kgs
ACR-PROP-0	Acrow Prop No.0 (1050mm - 1830mm)	13.0 kgs
ACR-PROP-1	Acrow Prop No.1 (1600mm - 28000mm)	17.0 kgs
ACR-PROP-2	Acrow Prop No.2 (1900mm - 3400mm)	20.0 kgs
ACR-PROP-3	Acrow Prop No.3 (2170mm - 3975mm)	23.0 kgs
ACR-PROP-4	Acrow Prop No.4 (3100mm - 4900mm)	30.0 kgs



Code	Descriptions	Weight
ACR-UHEAD-120	4' Fixed U-Head (105mm)	1.7 kgs
ACR-UHEAD-155	6' Fixed U-Head (155mm)	2.6 kgs
ACR-UHEAD-225	8' Fixed U-Head (205mm)	2.9 kgs
ACR-ADJUD-120	4' Adjustable U-Head (105mm)	4.2 kgs
ACR-ADJUH-155	6' Adjustable U-Head (155mm)	5.2 kgs
ACR-ADJUK-225	8' Adjustable U-Head (205mm)	5.35 kgs

Code	Descriptions	Weight
STRONGBOY-STD	Strongboy (Standard)	6.50 kgs
STRONGBOY-XL	Strongboy XL Prop Mate	8.00 kgs



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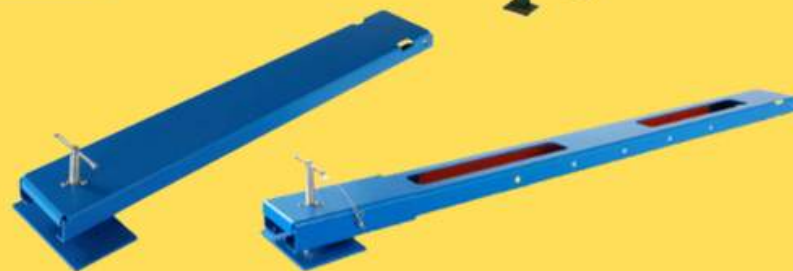
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ACROW PROPS - PUSH/PULL & PROP NEEDLE SUPPORTS

Code	Descriptions	Weight
ACR-PP-0	Push/Pull Prop No.0 (1140mm - 1830mm)	11.30 kgs
ACR-PP-1	Push/Pull Prop No.1 (1850mm - 3125mm)	16.35 kgs
ACR-PP-2	Push/Pull Prop No.2 (2080mm - 3355mm)	17.50 kgs
ACR-PP-3	Push/Pull Prop No.3 (2690mm - 3965mm)	20.25 kgs
ACR-PP-4	Push/Pull Prop No.4 (3300mm - 4980mm)	23.85 kgs



Code	Descriptions	Weight
PROPAL1200	Prop Pal 1200mm (Needle Beam)	18.00 kgs
PROPAL1800	Prop Pal Plus 1800mm (Needle Beam)	27.00 kgs



Code	Descriptions	Weight
UNDERPIN-PROP1	Underpinning Jack 1 - Size (300mm - 450mm)	5.0 kgs
UNDERPIN-PROP2	Underpinning Jack 2 - Size (400mm - 600mm)	6.0 kgs
UNDERPIN-PROP3	Underpinning Jack 3 - Size (500mm - 700mm)	7.0 kgs

Code	Descriptions	Weight
Please call or email for requirments	All supplies & accessories available	Varies



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SCAFFOLDING & ACCESSORIES

Code	Descriptions	Weight
SCAFF-TUBE1000	Scaffold Tube (3.2mm) 3/4ft - 1.0mtrs	4.21 kgs
SCAFF-TUBE1500	Scaffold Tube (3.2mm) 5ft - 1.5mtrs	6.65 kgs
SCAFF-TUBE2000	Scaffold Tube (3.2mm) 6ft - 1.8mtrs	8.10 kgs
SCAFF-TUBE2500	Scaffold Tube (3.2mm) 8ft - 2.5mtrs	10.50 kgs
SCAFF-TUBE3000	Scaffold Tube (3.2mm) 10ft - 3.0mtrs	13.30 kgs
SCAFF-TUBE3600	Scaffold Tube (3.2mm) 13ft - 3.9mtrs	17.52 kgs
SCAFF-TUBE4850	Scaffold Tube (3.2mm) 16ft - 4.8mtrs	21.55 kgs
SCAFF-TUBE6400	Scaffold Tube (3.2mm) 21ft - 6.4mtrs	28.25 kgs



Code	Descriptions	Weight
SCAFF-B300	Scaffold Sole Boards (38mm) 1ft - 0.3mtrs	1.80 kgs
SCAFF-B900	Scaffold Sole Boards (38mm) 3ft - 0.9mtrs	4.25 kgs
SCAFF-B1200	Scaffold Sole Boards (38mm) 4ft - 1.2mtrs	5.60 kgs
SCAFF-B1500	Scaffold Sole Boards (38mm) 5ft - 1.5mtrs	7.40 kgs
SCAFF-B1800	Scaffold Sole Boards (38mm) 6ft - 1.8mtrs	9.00 kgs
SCAFF-B2400	Scaffold Sole Boards (38mm) 8ft - 2.4mtrs	12.00 kgs
SCAFF-B3000	Scaffold Sole Boards (38mm) 10ft - 3.0mtrs	15.00 kgs
SCAFF-B3900	Scaffold Sole Boards (38mm) 13ft - 3.9mtrs	19.20 kgs
SCAFF-HBAT2400	Scaffold High-Load Boards (63mm) 8ft - 2.4mtrs	25.40 kgs

SCAFFOLDING



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SCAFFOLDING FITTINGS

Code	Descriptions	Weight
SCAFF-FIXED	Scaffolding Double Coupler (Fixed)	0.95 kgs
SCAFF-SWIVEL	Scaffolding Swivel Coupler	1.05 kgs
SCAFF-FLAPS	Scaffolding Single/Half Coupler (Flap)	0.60 kgs
SCAFF-SLEEVE	Scaffolding Sleeve Coupler	1.01 kgs
SCAFF-JOINTPIN	Scaffolding Joint Pin (Internal Connector)	0.65 kgs
SCAFF-BASEPLATE	Scaffolding Base Plate	0.38 kgs
SCAFF-BOARDRET	Scaffolding Retaining Clamp (BRC)	0.63 kgs
SCAFF-GAVL	Scaffolding Girder Coupler (Gravlok)	1.38 kgs
SCAFF-SWGAVL	Scaffolding Girder Swivel Coupler (Gravlok)	1.45 kgs
SCAFF-BANDPLT	Scaffolding Band & Plate	2.00 kgs
SCAFF-TBOLTSET	Scaffolding (Parts) - T-Bolt, Nut & Washer	0.11 kgs
SCAFF-BOARDCLIP	Scaffolding toe Board Clip	0.15 kgs

Code	Descriptions	Weight
TUB/ACR-DOUBLE	Acrow Prop/Tube Double Coupler (Fixed)	1.21 kgs
TUB/ACR-SWIVEL	Acrow Prop/Tube Swivel Coupler	1.32 kgs
SCAFF-BINS	Scaffolding Stillage Bin	58.00 kgs
SCAFF-POSTS	Scaffolding Post Stillage	38.05 kgs



SCAFFOLDING

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TEMPORARY PROPS - TITAN (120 KNS)

Titan Aluminium is renowned for its high-quality propping and accessories, widely used in construction and engineering projects.

These products are designed to offer robust support and stability, ensuring the safety and efficiency of construction processes.

The propping systems are lightweight yet incredibly strong, thanks to the use of premium aluminium, which provides durability without compromising on ease of handling.



- **Lightweight and Durable:** Made from high-quality aluminium, Titan props are lightweight yet extremely robust, providing ease of handling and transportation without compromising strength.
- **Corrosion Resistance:** Aluminium's natural resistance to rust and corrosion ensures a longer lifespan, reducing the need for frequent replacements and maintenance.
- **Ease of Assembly:** With an intuitive design, these props can be quickly erected and adjusted, saving valuable time during construction projects.
- **High Load Capacity:** Despite their lightweight nature, Titan Aluminium Props can support significant loads, making them suitable for a wide range of propping applications.
- **Versatile Applications:** Ideal for use in formwork, falsework, and temporary supports, these props offer flexibility across various construction tasks.
- **Cost-Effective:** Reduced material weight leads to decreased transportation costs, and the longevity of the props ensures a good return on investment.
- **Safety Features:** Designed with safety in mind, these props include features such as anti-slip mechanisms and secure locking systems to protect workers on-site.
- These **benefits** make Titan Aluminium Propping an excellent choice for modern construction needs, providing a reliable and efficient solution to support various structural requirements.



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TEMPORARY PROPS - TITAN (120 KNS)

Code	Descriptions	Weight
ATP-001	Size-1 - Aluminium SuperProp Leg (1.34m to 1.75m)	12 kgs
ATP-001L	Size-1 - Aluminium SuperProp Leg (1.34m to 2.55m)	17 kgs
ATP-002	Size-2 - Aluminium SuperProp Leg (1.71m to 2.90m)	18 kgs
ATP-004	Size-4 - Aluminium SuperProp Leg (2.91m to 4.10m)	23 kgs
ATP-006	Size-6 - Aluminium SuperProp Leg (4.31m to 5.50m)	29 kgs



TITAN PROPS

More Info

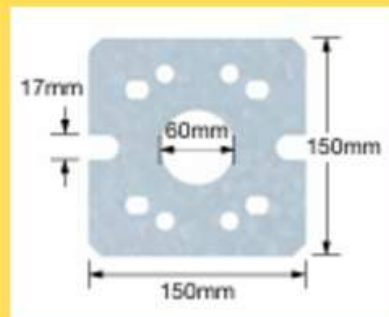
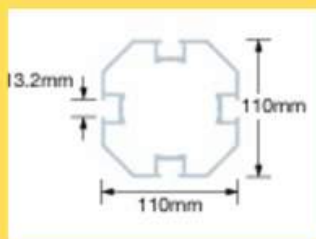
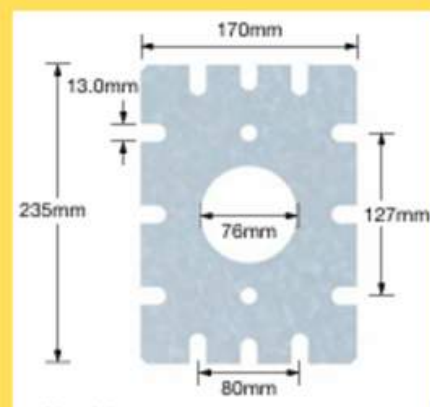
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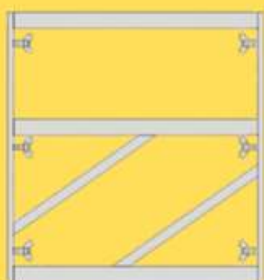
TEMPORARY PROPS - TITAN FRAMES & ACCESSORIES

Code	Descriptions	Weight
ATP-GATE0600	600mm - Aluminium Brace Gate (0.6mtr)	5.5 kgs
ATP-GATE0900	900mm - Aluminium Brace Gate (0.9mtr)	7.5 kgs
ATP-GATE1200	1200mm - Aluminium Brace Gate (1.2mtr)	7.8 kgs
ATP-GATE1600	1600mm - Aluminium Brace Gate (1.6mtr)	8.8 kgs
ATP-GATE1800	1800mm - Aluminium Brace Gate (1.8mtr)	9.7 kgs
ATP-GATE2400	2400mm - Aluminium Brace Gate (2.4mtr)	13.5 kgs
ATP-GATE3000	3000mm - Aluminium Brace Gate (3.0mtr)	15.4 kgs

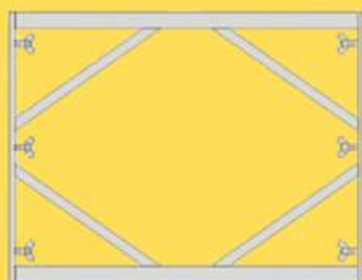


TITAN PROPS

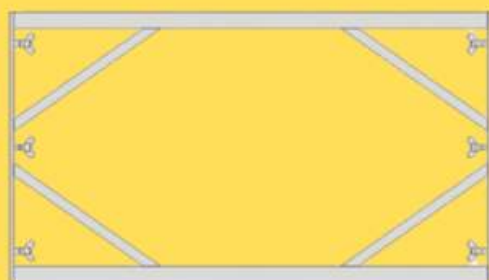
The Titan Leg can be erected with the jack at top or bottom



900 (7.5kg) ■



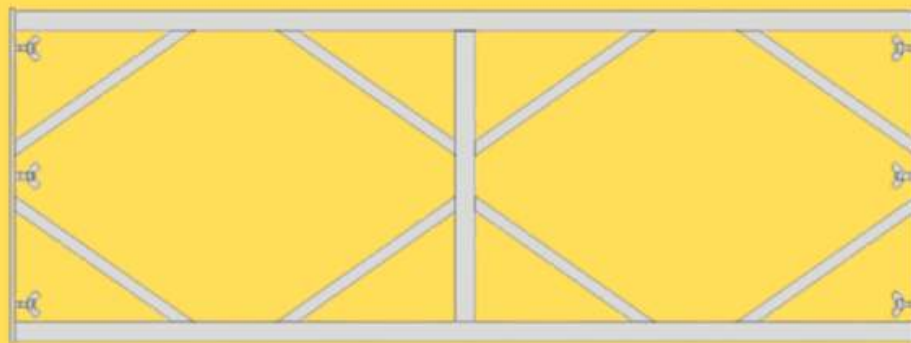
1200 (7.8kg) ■



1600 (8.8kg) ■



1800 (9.7kg) ■



2400 (13.5kg) ■

More Info

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TEMPORARY PROPS - TITAN ACCESSORIES

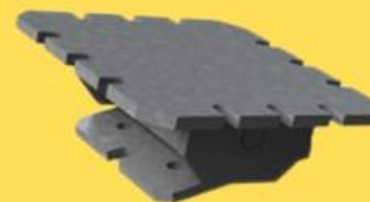
Code	Descriptions	Weight
APT-EX0250	Titan Extension Leg (0.25m)	3.25 kgs
APT-EX0500	Titan Extension Leg (0.50m)	4.30 kgs
APT-EX1000	Titan Extension Leg (1.00m)	5.70 kgs
APT-EX5000	Titan Extension Leg (5.00m)	24.0 kgs



Code	Descriptions	Weight
APT-4DUHEAD	Titan U-Head 4-D Way	4.7 kgs
APT-UHEADD	Titan U-Head 220 x 40mm	4.8 kgs



Code	Descriptions	Weight
APT-ROCK	Titan Rocking Head Plate	2.8 kgs



Code	Descriptions	Weight
APT-ANCPLT	Titan Adaptor Anchor Plate	1.45 kgs



Code	Descriptions	Weight
APT-CONNECTOR	Titan Connector Bracket	0.8 kgs



TITAN PROPS



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TEMPORARY PROPS - TITAN ACCESSORIES

Code	Descriptions	Weight
APT-CLAMP	Titan Beam Clamp (to Head Plate)	0.25 kgs

Code	Descriptions	Weight
APT-BRACKET	Titan Cantilever Bracket	17.2 kgs
APT-UNIJACK	Titan Universal Jack	3.0 kgs

Code	Descriptions	Weight
APT-HALFCOUP	Titan Half Coupler	0.6 kgs

Code	Descriptions	Weight
APT-JACKCOUP	Titan Jack Swivel Coupler	1.8 kgs

Code	Descriptions	Weight
Please call or email for requirments	All supplies & accessories available	Varies



TITAN PROPS



More Info

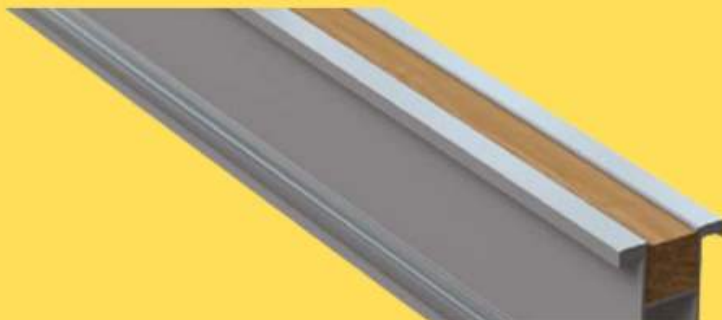
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TEMPORARY PROPS - BEAMS T150

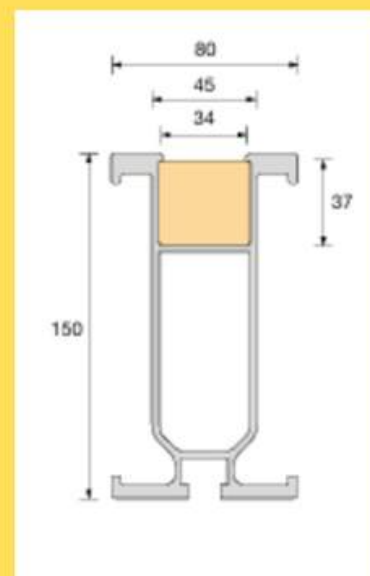
Code	Descriptions	Weight
T150-1200	Titan Beam T150 - 1.2 mtrs	6.75 kgs
T150-1800	Titan Beam T150 - 1.8 mtrs	10.15 kgs
T150-2400	Titan Beam T150 - 2.4 mtrs	13.50 kgs
T150-2700	Titan Beam T150 - 2.7 mtrs	15.20 kgs
T150-3000	Titan Beam T150 - 3.0 mtrs	16.90 kgs
T150-3600	Titan Beam T150 - 3.6 mtrs	20.30 kgs
T150-4200	Titan Beam T150 - 4.2 mtrs	23.70 kgs
T150-4800	Titan Beam T150 - 4.8 mtrs	27.00 kgs
T150-5400	Titan Beam T150 - 5.4 mtrs	30.50 kgs
T150-6000	Titan Beam T150 - 6.0 mtrs	33.80 kgs
T150-6400	Titan Beam T150 - 6.4 mtrs	36.00 kgs
T150-7200	Titan Beam T150 - 7.2 mtrs	40.50 kgs



TITAN Beams - T150

Manufactured from extruded aluminium section, T150 beams offer a lightweight, easy to handle solution for decking/soffit applications.

All secondary beams are shown colour coded on aluminium design drawings. The universal slot is the same for beams and legs.



Titan 150 Beam - Technical Data

	Area	cm2	18.6
Ixx	Moment of inertia	cm2	596.9
Zxx	Section modulus	cm4	77.31
E	Modulus of Elasticity	cm3	68900
E.I	Bending stiffness	N/mm2	411
M	resistance Moment	kNm2	11.9
S	Allowance Shear force	kN	30
	Max. Centre Bearing 80mm	kN	34*
	Max. End Bearing (40mm)	kN	22
*	Min. cantilever for centre reaction = 600mm		

More Info

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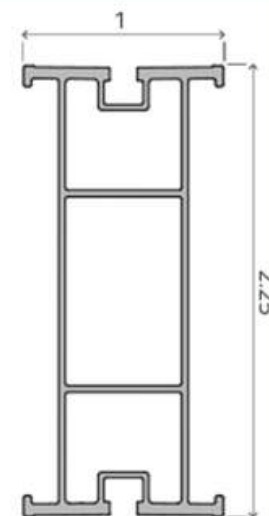
TEMPORARY PROPS - BEAMS T225

Code	Descriptions	Weight
T225-1200	Titan Beam T225- 1.2 mtrs	10.75 kgs
T225-1800	Titan Beam T225- 1.8 mtrs	16.20 kgs
T225-2400	Titan Beam T225- 2.4 mtrs	21.50 kgs
T225-2700	Titan Beam T225- 2.7 mtrs	24.25 kgs
T225-3000	Titan Beam T225- 3.0 mtrs	26.95 kgs
T225-3600	Titan Beam T225- 3.6 mtrs	32.00 kgs
T225-4200	Titan Beam T225- 4.2 mtrs	37.65 kgs
T225-4800	Titan Beam T225- 4.8 mtrs	43.00 kgs
T225-5400	Titan Beam T225- 5.4 mtrs	48.40 kgs
T225-6000	Titan Beam T225- 6.0 mtrs	53.80 kgs
T225-6400	Titan Beam T225- 6.4 mtrs	57.35 kgs
T225-7200	Titan Beam T225- 7.2 mtrs	64.50 kgs

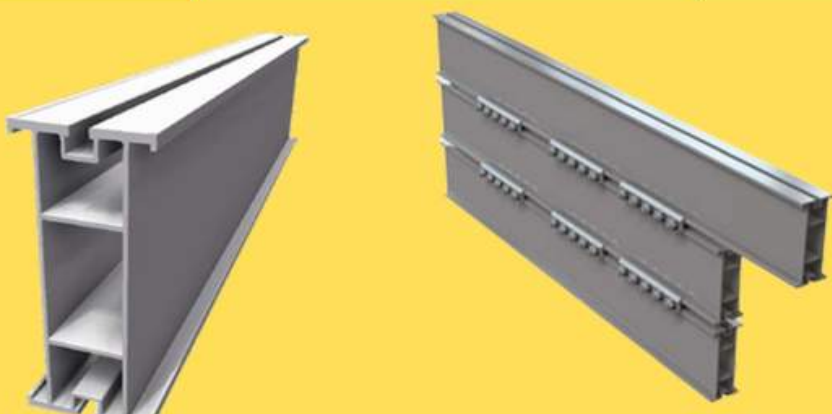
TITAN Beams - 225 Beam

Manufactured from extruded aluminium section, T225 beams offer a lightweight, easy to handle solution for decking/soffit applications.

All secondary beams are shown colour coded on design drawings. The universal slot is the same for beams and legs.



Titan 225 Beam - Technical Data			
	Area	cm2	33.2
Ixx	Moment of inertia	cm2	2255
Zxx	Section modulus	cm4	200
E	Modulus of Elasticity	cm3	70000
E.I	Bending stiffness	N/mm2	1578
W	Weight	kgs	9 kgs
S	Allowance Shear force	kN	84.5
M	Resistance Moment	kN	31.0*
*	Min. cantilever for centre reaction = 600mm		



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TEMPORARY PROPS - RAPIDSHOR / KWIKFORM

Rapidshor Propping is a versatile and robust temporary support system used extensively in the construction industry.

Known for its high load-bearing capacity and adaptability, the Rapidshor system is ideal for shoring, propping, and various formwork applications.

The system's modular design allows for easy assembly and disassembly, making it an efficient choice for projects requiring a quick turnaround time.



Rapidshor is an advanced temporary support system renowned for its exceptional load-bearing capabilities and adaptability in the construction and civil industry.

Benefits of this temporary propping system:

- **Lightweight yet Strong:** Despite its robust construction, Rapidshor offers an outstanding strength-to-weight ratio, facilitating easy handling and installation without sacrificing support capacity.
- **Versatility:** Suited for various applications, including wall formwork and support systems, Rapidshor is a flexible choice for diverse construction needs.
- **Space Efficiency:** Its streamlined design allows it to fit into tight spaces, maximizing available area and minimizing obstructions.
- **Durability:** Crafted from high-quality materials, Rapidshor is built to withstand harsh construction environments, ensuring long-term durability and reliability.
- **Cost-Effective:** By reducing the need for additional support structures and being reusable, Rapidshor helps lower overall construction costs.
- **Ease of Assembly and Disassembly:** The design allows for rapid setup and removal, saving time and enabling faster project completion.
- Rapidshor is **ideal** for shoring, propping, and a range of formwork applications. Providing an efficient solution for projects with benefits:



More Info

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TEMPORARY PROPS - RAPIDSHOR LEGS (40-80 KNS)

Code	Descriptions	Weight
RPS-0675	Rapidshor Leg - 675mm	3.0 kgs
RPS-1000	Rapidshor Leg - 1000mm	5.5 kgs
RPS-1500	Rapidshor Leg - 1500mm	8.0 kgs
RPS-2000	Rapidshor Leg - 2000mm	11.0 kgs
RPS-2500	Rapidshor Leg - 2500mm	13.5 kgs



Code	Descriptions	Weight
RPS-JOINTSLEEVE	Rapidshor Joint Sleeve (300mm)	1.5 kgs
RPS-BASESLEEVE	Rapidshor Base Sleeve (216mm)	1.1 kgs
RPS-SLEEVECLIP	Rapidshor Sleeve Clip	0.1 kgs



Code	Descriptions	Weight
RPS-LEDG0300	Rapidshor Ledger - 300mm	2.2 kgs
RPS-LEDG0600	Rapidshor Ledger - 600mm	3.2 kgs
RPS-LEDG0900	Rapidshor Ledger - 900mm	4.3 kgs
RPS-LEDG1200	Rapidshor Ledger - 1200mm	5.4 kgs
RPS-LEDG1500	Rapidshor Ledger - 1500mm	6.5 kgs
RPS-LEDG1800	Rapidshor Ledger - 1800mm	7.5 kgs
RPS-LEDG2400	Rapidshor Ledger - 2400mm	9.6 kgd
RPS-LEDG3000	Rapidshor Ledger - 3000mm	11.9 kgs



RAPIDSHOR



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TEMPORARY PROPS - RAPIDSHOR ACCESSORIES

Code	Descriptions	Weight
RPS-ADJSHORT	Rapidshor Super-Short Adjust. Brace (840 - 1280mm)	6.4 kgs
RPS-ADJBACE	Rapidshor Short Adjust. Jack Brace (1085 - 1770mm)	8.1 kgs
RPS-ADJLONG	Rapidshor Long Adjust. Jack Brace (1530 - 2660mm)	11.4 kgs



Code	Descriptions	Weight
RPS-SCREW	Rapidshor Screw Jack. (Range = 25 - 540mm)	6.1 kgs
RPS-SHORTJ	Rapidshor Short Jack. (Range = 25 - 340mm)	5.0 kgs

Code	Descriptions	Weight
RPS-BASEP	Rapidshor Base - 165mm	3.1 kgs
RPS-BASETILT	Rapidshor Tilt Base - 227mm	7.7 kgs



Code	Descriptions	Weight
SS-UHEAD	Rapidshor Brace U-Head - 182mm Wide	6.7 kgs
RPS-TILTHEAD	Rapidshor Tilt Head - 182mm Wide	13.1 kgs
RPS-UHEAD182	Rapidshor U-Plate 8mm thk x 182mm Wide	5.3 kgs
RPS-UHEAD220	Rapidshor U-Plate 8mm thk x 220mm Wide	5.7 kgs

RAPIDSHOR

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TEMPORARY PROPS - RAPIDSHOR BRACES (40-80 KNS)

Code	Descriptions	Weight
RPS-SELF	Fixed Brace 1000 x 900mm (Self)	4.9 kgs
RPS-PURPLE	Fixed Brace 1000 x 1200mm (Purple)	5.4 kgs
RPS-BLUE	Fixed Brace 1000 x 1500mm (Blue)	8.0 kgs
RPS-RED	Fixed Brace 1000 x 1800 (Red)	8.1 kgs
RPS-WHITE	Fixed Brace 1000 x 2400mm (White)	9.9 kgs
RPS-YELLOW	Fixed Brace 1500 x 900mm (Yellow)	6.1 kgs
RPS-PINK	Fixed Brace 1500 x 1200mm (Pink)	6.6 kgs
RPS-ORANGE	Fixed Brace 1500 x 1500mm (Orange)	8.3 kgs
RPS-GREEN	Fixed Brace 1500 x 1800mm (Green)	9.1 kgs
RPS-BROWN	Fixed Brace 1500 x 2400mm (Brown)	12.9 kgs
RPS-LBROWN	Fixed Brace 1500 x 3000mm (Light Brown)	15.4 kgs
RPS-BLUEGREEN	Fixed Brace 2000 x 1200mm (Blue Green)	9.2 kgs
RPS-YELLOWWHIT	Fixed Brace 2000 x 1500mm (Yellow)	7.5 kgs
RPS-BLACK	Fixed Brace 2000 x 1800mm (Black)	12.4 kgs
RPS-BGTRED	Fixed Brace 2000 x 2400mm (Bright Red)	14.2 kgs
RPS-DRKBROWN	Fixed Brace 2000 x 3000mm (Dark Brown)	16.3 kgs



RAPIDSHOR



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TEMPORARY PROPS - SUPERSLIM / STEEL SOLIDERS (150 KNS)

Steel Soliders and Superslim Propping is a versatile and robust temporary support system used extensively in the construction industry.

Known for its high load-bearing capacity and adaptability, the Superslim Soldier system is ideal for shoring, propping, and various formwork applications

The system's modular design allows for easy assembly and disassembly, making it an efficient choice for projects requiring quick turnaround time



Steel Soliders and Superslim Propping is a versatile and robust temporary support system used extensively in the construction industry.

The system's modular design allows for easy assembly and disassembly, making it an efficient choice for projects requiring quick turnaround time. Superslim Soldiers are a form of construction support equipment used widely in the construction industry, particularly for temporary works and formwork applications. Offering numerous benefits:

- **Lightweight yet Strong:** Despite their slim profile, these soldiers provide excellent strength-to-weight ratio, facilitating easy handling and installation without compromising on support capacity.
- **Versatility:** They can be used in a variety of applications, including wall formwork, shoring, and support systems, making them a flexible choice for different construction needs.
- **Space Efficiency:** Their slim design allows them to fit into confined spaces, maximizing usable area and minimizing obstruction.
- **Durability:** Made from high-quality materials, RMD Superslim Soldiers are built to withstand harsh construction environments, ensuring long-term usability and reliability.
- **Ease of Assembly and Disassembly:** Their design allows for quick setup and removal, saving time on construction projects and enabling faster project turnaround.
- These **advantages** make Superslim Soldiers a popular choice for construction professionals seeking efficient and reliable temporary propping and support solutions.



More Info

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TEMPORARY PROPS - SUPERSLIM / STEEL SOLIDERS (150 KNS)

steel Soliders and Superslim Propping is a versatile and robust temporary support system used extensively in the construction industry.

Known for its high load-bearing capacity and adaptability, the Superslim Soldier system is ideal for shoring, propping, and various formwork applications. The system's modular design allows for easy assembly and disassembly, making it an efficient choice for projects.



Code	Descriptions	Weight
SS-0010	Superslim / Steel Soldier End Plate 10mm	2.95 kgs
SS-0090	Superslim / Steel Soldier 90mm	7.35 kgs
SS-0180	Superslim / Steel Soldier 180mm	8.70 kgs
SS-0360	Superslim / Steel Soldier 360mm	12.00 kgs
SS-0540	Superslim / Steel Soldier 540mm	15.25 kgs
SS-0720	Superslim / Steel Soldier 720mm	18.75 kgs
SS-0900	Superslim / Steel Soldier 900mm	22.00 kgs
SS-1800	Superslim / Steel Soldier 1800mm	39.00 kgs
SS-2700	Superslim / Steel Soldier 2700mm	55.45 kgs
SS-3600	Superslim / Steel Soldier 3600mm	72.25 kgs

Code	Descriptions	Weight
Please call/email for requirements	All supplies & accessories available	N/a

SUPERSLIM



More Info

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TEMPORARY PROPS - SUPERSLIM SOLIDER ACCESORIES

Code	Descriptions	Weight
SS-ADJ	Superslim Adjustable Jack (365mm - 515mm)	19.00 kgs
SS-ADJHEAD	Superslim Adjustable Head (440mm - 590mm)	24.70 kgs
SS/LH-JACK	Prop Jack - Lefthand	14.50 kgs
SS/RH-JACK	Prop Jack - Righthand	14.50 kgs
SS/HJ30-200	Hydraulic Jack c/w Adaptor Plate (upto 200 kNs)	18.50 kgs

Code	Descriptions	Weight
SS-SPADE	Superslim Spade End Link	3.10 kgs
SS-TUBE	Superslim Prop Pivot Tube	1.80 kgs

Code	Descriptions	Weight
SS-TILT	Superslim Tilt Plate	4.80 kgs

Code	Descriptions	Weight
SS-CORNPIVOT	Superslim Corner Pivot	7.30 kgs
SS-45DEGREE	Superslim 45 Degree Corner	6.30 kgs
SS-90DEGREE	Superslim 90 Degree Corner	8.70 kgs
SS-CLEATSET	Superslim Cleat Set	8.80 kgs



SUPERSLIM



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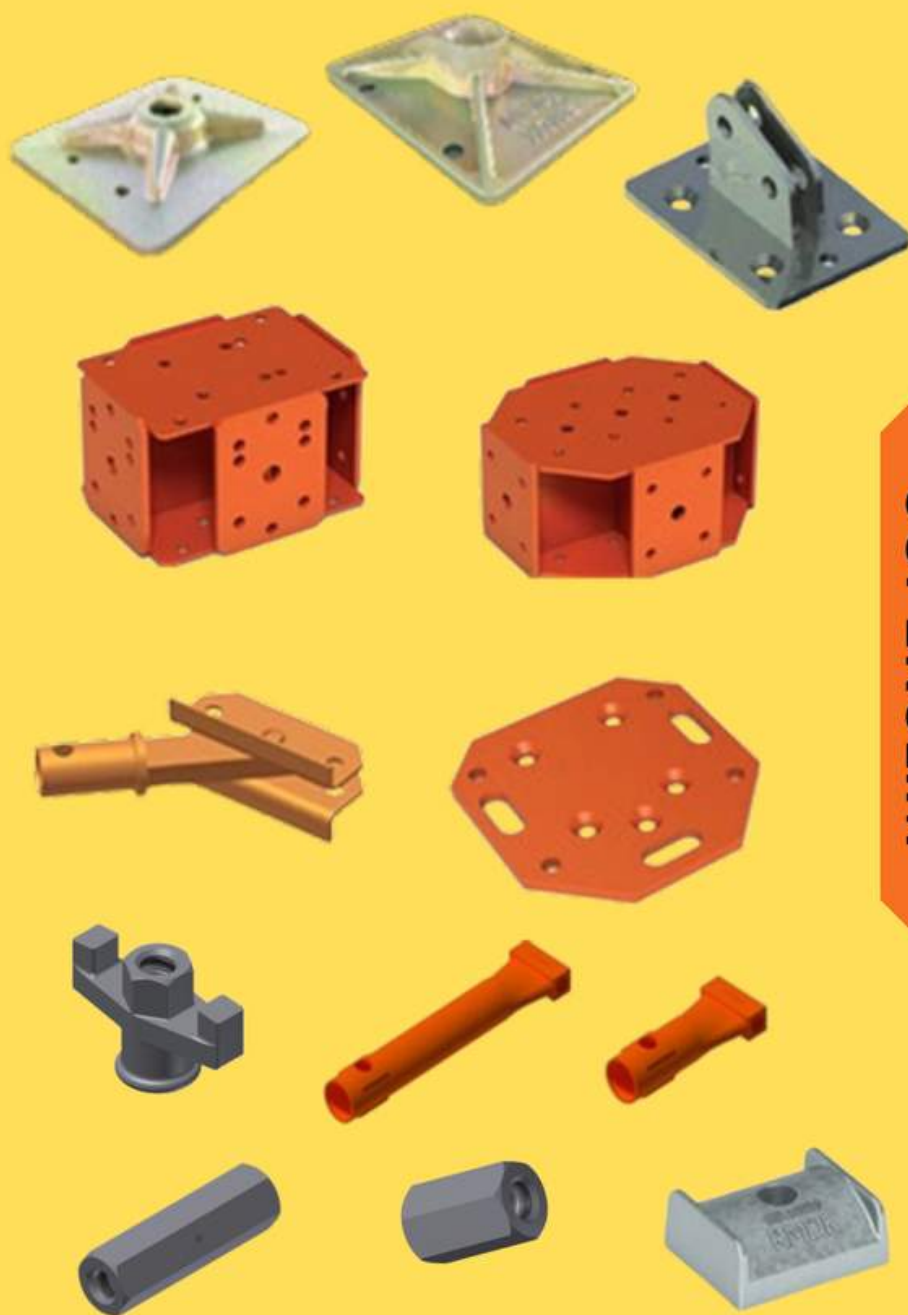
Web: www.hydra-capsule.com

TEMPORARY PROPS - SUPERSLIM SOLIDER ACCESSORIES

Code	Descriptions	Weight
SS-UNIJACK	Superslim Universal Solider	4.90 kgs
SS-WALERLIG	Superslim Waler Plate - Light	1.15 kgs
SS-WALERSTD	Superslim Waler Plate - Std	1.40 kgs
SS-WALERHDUTY	Superslim Waler Plate - H.Duty	1.80 kgs
SS-WALERHILD	Superslim Waler Plate - H-Load	6.90 kgs

Code	Descriptions	Weight
SS-6WAY	Superslim 6-Way Connector	25.0 kgs
SS-D6WAY	Superslim Double 6-Way	42.0 kgs
SS-PROPCONNEC	Superslim Prop Connector 100kNs	6.85 kgs
SS-PROPENDLK-X	Superslim Prop tube End Link	2.80 kgs
SS-ANCHORPLT	Superslim Anchor Plate (15mm)	7.30 kgs

Code	Descriptions	Weight
SSF-WN15	Wing Nut 15mm	0.20 kgs
SSF-WN20	Wing Nut 20mm	0.35 kgs
SSF-HEXN15	Dywidag Hexagon Nut 15mm	0.22 kgs
SSF-HEXN20	Dywidag Hexagon Nut 20mm	0.40 kgs
SSF-COUPLER15	15mm Coupler	0.40 kgs
SSF-COUPLER20	20mm Coupler	0.75 kgs



Note: All sizes, supplies & accessories available on request

SUPERSLIM

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TEMPORARY PROPS - SUPERSLIM SOLIDER ACCESORIES

Code	Descriptions	Weight
SS-ROCKHD	Superslim Rocking Head 36mm	4.40 kgs
SS-PIVOTCORN	Superslim Pivot Corner 20mm	4.30 kgs

Code	Descriptions	Weight
RSHOR-UHEAD8	Rapidshor 8mm thk x 182mm wide	5.30 kgs
RSHOP-UFIXED	Rapidshor Brace U-Head 182mm	8.50 kgs
RAPID-TURNBUCK	Turnbuckle (915mm - 1160mm)	8.40 kgs
SS-STIFFJOINT	Superslim Stiffener Joint	0.2 kgs

Code	Descriptions	Weight
SS-TUBECLAMP	Slimshor Tube Clamp	1.35 kgs
SS-BCLAMP	Slimshor 'B' Clamp	0.70 kgs
SSF-UNI	Universal Clamp	0.80 kgs
ALSHOR-CLAMP	Alshor/Superslim Clamp	0.75 kgs
SSF-WALERCLAMP	Timber Waling Clamp	0.65 kgs
SS-ACCESSBRACK	Superslim Access Bracket	6.65 kgs
SS-PORTHOLE	Porthole Bearing	1.22 kgs



SUPERSLIM

Notes:

Dywidag, All-thread, Excalibur/Screw Bolt and all accessories - available on request



More Info

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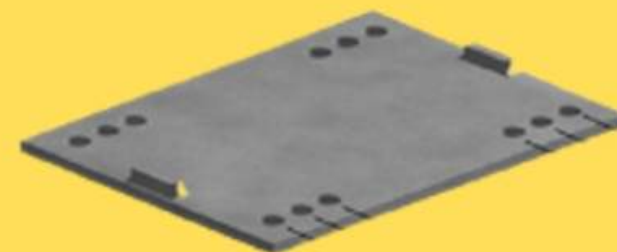
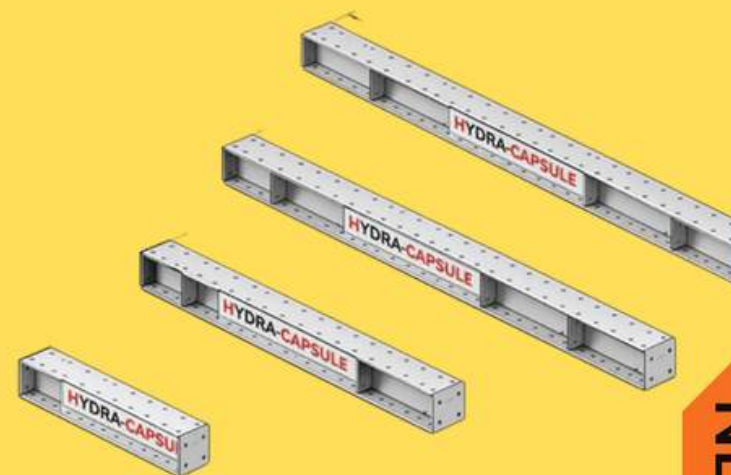
Email: sales@hydra-capsule.com

Web: www.hydra-capsule.com

TEMPORARY PROPS - NEEDLE BEAMS / ADAPTOR FIXING PLATE

Code	Descriptions	Weight
NB152-1500/37	Needle Beam 152UC - 1.5mtr (37kg/m)	55.8 kgs
NB152-2000/37	Needle Beam 152UC - 2.0mtr (37kg/m)	81.0 kgs
NB152-2500/37	Needle Beam 152UC - 2.5mtr (37kg/m)	105.0 kgs
NB152-3000/37	Needle Beam 152UC - 3.0mtr (37kg/m)	123.0 kgs
NB356-3600/67	Needle Beam 356UB - 3.6mtr (67kg/m)	242.0 kgs
NB203-3000/60	Needle Beam 203UC - 3.0mtr (60kg/m)	200.0 kgs
NB205-3000/71	Needle Beam 203UC - 3.0mtr (71kg/m)	225.0 kgs
NB252-2000/107	Needle Beam 252UC - 2.0mtr (107kg/m)	242.0 kgs
NB252-2500/107	Needle Beam 252UC - 2.5mtr (107kg/m)	276.0 kgs
NB252-3000/107	Needle Beam 252UC - 3.0mtr (107kg/m)	370.0 kgs
NB305-2500/97	Needle Beam 305UC - 2.5mtr (97kg/m)	245.0 kgs
Needle, Spreader & Header Beams:	For larger and bespoke beam - Refer to our sliding, heavy-duty information in Megashor and skidding sections	

Code	Descriptions	Weight
SS-LINDPLT	Needle Adaptor Plate	6.8 kgs
LIND-M16x110	Lindaptor Fixing + M16 Bolt Set	0.35 kgs
LIND-M20x110	Lindaptor Fixing + M20 Bolt Set	0.41 kgs



NEEDLE BEAMS

More Info

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TEMPORARY PROPS - MEGASHOR (750 - 1350 KNS)

Megashor and Megashor Plus systems are advanced propping solutions designed for heavy-duty construction projects.

These systems are renowned for their exceptional strength, versatility, and adaptability, making them ideal for supporting large loads during complex construction tasks such as bridge construction, heavy shoring, and other civil engineering applications. Capacity range from 750 kNs to 1350 kNs per/section.

The Megashor system consists of high-capacity modular components that can be assembled in various configurations to meet specific project requirements.



- **High Load Capacity:** RMD Megashor is designed to handle extremely heavy loads, making it suitable for major infrastructure projects like bridges, facades, high-load crane support and railways / tunnels.
- **Modular Design:** The system's modular components allow for flexibility in design, enabling it to adapt to various project requirements and configurations.
- **Ease of Assembly:** Its components are designed for quick and straightforward assembly, reducing labor costs and time on site.
- **Safety Features:** The system includes built-in safety features such as secure joints and stability under high loads, which help ensure a safer working environment.
- **Durability:** Made from high-quality materials, RMD Megashor is built to withstand challenging environments and repeated use, providing longevity and reliability.
- **Efficiency:** By accommodating large spans and heights, the system reduces the need for additional support structures,
- **Adaptability:** It can be used in a variety of construction settings, from vertical and horizontal shoring to heavy lifting, providing a versatile solution for complex engineering challenges.
- These **advantages** make Megashor a popular choice for construction professionals seeking efficient and reliable temporary propping and support solutions - ranging of the below:
 - Bridge Propping and Bearing Replacement
 - Facade Retention / Megashor & MegaTruss Support Frames
 - High-Load temporary supports for demolition and enabling works



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TEMPORARY PROPS - MEGASHOR (500 KNS - 1350 KNS)

Code	Descriptions	Weight
MS-0012	Megashor End Plate 12mm	10 kgs
MS-0040	Megashor Bearing/Jack Plate	26 kgs
MS-0090	Megashor Leg 90mm	22 kgs
MS-0270	Megashor Leg 270mm	30 kgs
MS-0450	Megashor Leg 450mm	45 kgs
MS-0900	Megashor Leg 900mm	65 kgs
MS-1800	Megashor Leg 1800mm	113 kgs
MS-2700	Megashor Leg 2700mm	161 kgs
MS-5400	Megashor Leg 5400mm	305 kgs



Code	Descriptions	Weight
MS-JACK	Screw Jack (410 - 620mm)	66 kgs
MS-LH/JACK	Megashor Push/Pull Jack (L/H)	22 kgs
MS-RH/JACK	Megashor Push/Pull Jack (R/H)	30 kgs
MS-HYDRAUNIT	Megashor Hydraulic Unit	146 kgs
HJ50 or HJ90	Hydraulic Cylinder for Unit	22 - 32 kgs
MS-JACKSPAN	Megashor Jack Spanner	20 kgs

MEGASHOR

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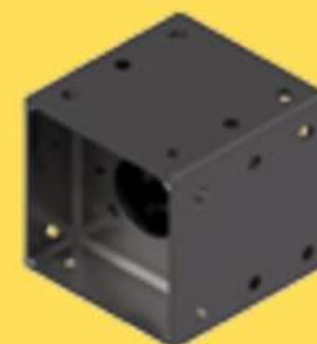
TEMPORARY PROPS - MEGASHOR ACCESSORIES

Code	Descriptions	Weight
MS-BRACE	Megashor Brace Plate	61 kgs
MS-BASE	Megashor Base Plate	43 kgs
MS-BRACECOUP	Megashor Brace Coupler	3.5 kgs



Code	Descriptions	Weight
MS-ROCK	Megashor Rocking Head	48 kgs
Enables Megashor shaft legs to be connected to header beams, raking props and lateral restraints up to 45 degrees.		

Code	Descriptions	Weight
MS-6WAY	Megashor / Slimshor 6-Way Connector	41 kgs
Enables 4x. Megashor legs and 2x. Superslim legs to be connected in all axis node to provide vertical & horizontal tower frames		



Code	Descriptions	Weight
MS-WASHERPLT	Plate Washer 90x90x15x 18mm	1 kgs
MS-CHORDSPAC	Chord Space 60x60x20x22 dia.	0.5 kgs

TEMPORARY PROPS - MEGASHOR COMPONENTS

Code	Descriptions	Weight
MS-TILT	Megashor Push/Pull Tilt Plate	49 kgs



Code	Descriptions	Weight
MS-90DEGREE	Megashor 90 Degree Corner	69 kgs

Code	Descriptions	Weight
MS-PPADAPT	Megashor Push/Pull Adaptor	19 kgs



Code	Descriptions	Weight
MS-FLATBRACE-X	Megashor Flat brace 60mm x 8mm	-
MS-FLATBRACE-M	Flat brace 60mm x 8mm (per/mtre)	3.7 kgs
MS-VERNOUT	Vernier Braces (Long Outer Galv.)	12.0 kgs
MS-VERNINNER	Vernier Braces (Long Inner Galv.)	11.0 kgs
MS-VERNSHRTINN	Vernier Braces (Short Outer Galv.)	7.0 kgs
MS-VERNSHRTOUT	Vernier Braces (Short Inner Galv.)	5.0 kgs
MS-BRACECLEAT	Megashor Plan Brace Cleat	1.5 kgs

AWL - when attached tto Megashor leg = 34 kNs (68 kNs per/pair)

TEMPORARY PROPS - MEGASHOR+ PLUS LEGS

Code	Descriptions	Weight
MSP-0012	Megashor-Plus End Plate 12mm	11 kgs
MSP-0040	Megashor-Plus Bearing Plate	26 kgs
MSP-0090	Megashor-Plus Leg 90mm	23 kgs
MSP-0270	Megashor-Plus Leg 270mm	33 kgs
MSP-0450	Megashor-Plus Leg 450mm	52 kgs
MSP-0900	Megashor-Plus Leg 900mm	89 kgs
MSP-1800	Megashor-Plus Leg 1800mm	151 kgs
MSP-2700	Megashor-Plus Leg 2700mm	212 kgs
MSP-5400	Megashor-Plus Leg 5400mm	392 kgs



Code	Descriptions	Weight
MS-TITANJACK	Titan Wedge Jack 1000 kNs	33 kgs
HRJ75-20	Harjack Wedge Jack 750 kNs	21 kgs
HRJ120-20	Harjack Wedge Jack 1200 kNs	51 kgs
HRJ200-20	Harjack Wedge Jack 2000 kNs	122 kgs
MS-HYDRAJACK	Mega Hydraulic Cylinder Jack	35 - 70 kgs
MSP-HYDRAJACK	Mega+ Hydraulic Cylinder Jack	50 - 75 kgs

MEGASHOR+

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TEMPORARY PROPS - MEGASHOR BEAMS & ACCESSORIES

Code	Descriptions	Weight
MS-BEAM/HDTIE	Megashor Heavy-Duty Tie Beam	40 kgs



Code	Descriptions	Weight
MS-BEAM/600	305UC Header Beam 600mm	72 kgs
MS-BEAM/950	Megashor Header Beam 950mm	151 kgs
MS-BEAM/3300	Megashor Header Beam 3300mm	670 kgs
MS-BEAM/3810	Megashor Header Beam 3810mm	1039 kgs
MS-BEAM/5000	Megashor Header Beam 5000mm	1322 kgs

Code	Descriptions	Weight
MS-TRI/0900	Megashor Tri-Beam 300mm x 900mm long	170 kgs
MS-TRI/1500	Megashor Tri-Beam 300mm x 1500mm long	270 kgs
MS-TRI/3000	Megashor Tri-Beam 300mm x 3000mm long	520 kgs
MS-TRI/4500	Megashor Tri-Beam 300mm x 4500mm long	770 kgs
MS-TRI/6000	Megashor Tri-Beam 300mm x 6000mm long	1020 kgs



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TEMPORARY PROPPING - BOLTING AND FIXINGS

Code	Descriptions	Weight
BOLT-BRACEPIN	Props Brace Pim M24 / M20	0.40 kgs
BOLT-M16cSK60	M16 x 60mm CSK Bolt - Grade 8.8 ZP	0.13 kgs
BOLT-M16x040	M16 x 40mm Bolt - Grade 8.8 ZP	0.09 kgs
BOLT-M16x060	M16 x 60mm Bolt - Grade 8.8 ZP	0.11 kgs
BOLT-M16NUT	M16 Hex Nut (Grade 8.8 ZP)	0.03 kgs
BOLT-XX-WASHER	Washer - Round (M12, M16 & M20)	0.03 kgs
BOLT-M20CSK60	M120 x 60mm CSK Bolt - Grade 8.8 ZP	0.18 kgs
BOLT-M20x045	M20 x 45mm Bolt - Grade 8.8 ZP	0.17 kgs
BOLT-M20x060	M20 x 60mm Bolt - Grade 8.8 ZP	0.28 kgs
BOLT-M20x090	M20 x 90mm Bolt - Grade 8.8 ZP	0.28 kgs
BOLT-M20x100	M20 x 100mm Bolt - Grade 8.8 ZP	0.32 kgs
BOLT-M20x130	M20 x 130mm Bolt - Grade 8.8 ZP	0.40 kgs
BOLT-M20NUT	M20 Hex Nut (Grade 8.8 ZP)	0.06 kgs
BOLT-M24x110	M24 x 110mm Bolt - Grade 8.8 ZP	0.48 kgs
BOLT-M24x180	M24 x 180mm Bolt - Grade 8.8 ZP	0.73 kgs
BOLT-M24NUT	M24 Hex Nut (Grade 8.8 ZP)	0.03 kgs
BOLT-M42x200	M42 x 200 Bolt - Grade 8.8 ZP	2.76 kgs
BOLT-M42NUT	M42 Hex Nut (Grade 8.8 ZP)	0.59 kgs

Notes:

We can supply all fittings (not specified above) and an yfixings (ie. excalibur bolts, anchors and etc) - on request



FIXINGS

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TEMPORARY PROPS - KENTLEDGE, HEAVY-DUTY PLATES / BOGMATS

Code	Descriptions	Weight
PLATE-24x12X19ROAD	Steel Road Plate - 2400mm x 1200mm x 19mm	425 kgs
PLATE-30x15X25ROAD	Steel Road Plate - 3000mm x 1500mm x 25mm	885 kgs
LEQUIP-MAG06	Magnetic Lifter - 1000 kgs (1 Tonne)	42 kgs



Code	Descriptions	Weight
MATS-BOG3-150	Hardwood Bog-mats 3m x 1m x 150mm	445 kgs
MATS-BOG5-150	Hardwood Bog-mats 5m x 1m x 150mm	925 kgs
Notes:	We stock numerous types of Eki, Hardwood Sleepers, Timbers and Bog-Mat upto 300mm thickness - on request	

Code	Descriptions	Weight
IBC-1000	IBC - Water Tank (1.3 te SWL) - 120 x 100 x 116	52 kgs
KENT-LG4_080	Kentledge Block - 800mm x 800mm x 800mm	1200 kgs
KENT-LG6_120	Kentledge Block - 1200mm x 800mm x 800mm	1800 kgs
KENT-LG8_160	Kentledge Block - 1600mm x 800mm x 800mm	2400 kgs
KENT-LIFTPIN	Anchor Ring Clutch Load-Pin (5te SWL)	7 kgs
Notes:	We stock numerous types of Kentledge Concrete Blocks & Dead-Weights - available on request	



KENTLEDGE

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TEMPORARY PROPPING & JACKING APPLICATIONS

Temporary Propping Applications:

1 Slimshor Temporary Towers



Versatile, high-load temporary towers for supporting slabs, beams, and falsework. Quick to assemble, adjust, and dismantle for safe, reliable structural support.

2 Propping & Needling



Heavy-duty propping and needling systems for strengthening & stabilising weak or damaged structures. Ideal for temporary support & load transfer.

3 Aluminium Propping



Lightweight, durable aluminium props for quick installation and high load capacity. Ideal for construction, refurbishment, and confined-space propping.

4 Emergency & Bespoke Propping



Rapid-response propping solutions tailored for emergency and complex structural support requirements. Custom designs to suit any project.

Temporary Propping Applications:

1 Facade Retention



Secure facade retention system designed to stabilise and support existing building facades/walls for construction, renovation and demolition projects.

2 Bridge Propping & Jacking



Heavy-duty propping and jacking solutions for supporting & lifting bridges during maintenance, repair and bearing replacement works.

3 Raking Propping



High-capacity raking propping systems, providing angled supports to structural walls, ground-excavation and other critical structures.

4 Heavy-Duty Back Propping



Robust back-propping legs/towers to support floors, slabs, and beams in buildings, formwork, launching/sliding support; distributing heavy loads safely down to lower levels and foundations.

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