



Decades of specialised jacking work has resulted in an unrivalled fleet of jacking equipment both in terms of scope and capability.

In addition to the standard range of jacks, Arbil offer a number of important variations such as jacks supplied in detached mode and jacks fitted with an integral load / pressure gauge.

We also supply a full line-up of jacks dedicated to the rail industry. Please see pages 86 and 87 for further information.

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Tangye Hydralite® Jacks

Plain Jacks

- Incorporates a simple ram to raise or push the load.
- High pressure relief valve provides overload protection
- Fail-safe positive mechanism prevents over stroking of ram
- Available in detached mode
- 100t model fitted with two speed integral pump



Cap	Fleet Code	Closed Height	Stroke (mm)	Weight (Kg)
20t	HL 620	263	152	11
20t	HL 1220	438	305	17
30t	HL 630	263	152	16
30t	HL 1230	451	305	24
30t	HL 1830	686	405	48
60t	HL 660	293	152	28
60t	HL 1260	500	305	44
100t	HL 6100	317	152	54



Claw Jacks - (C)

- The Claw Jack allows jacking from low access points
- High pressure relief valve provides overload protection
- Fail-safe positive mechanism prevents over stroking of ram
- Available in detached mode

i All jacks used with a claw must be fitted with an extended base



i (Toe capacity = 40% of head load)

Cap	Fleet Code	Cap of Toe	Closed Height (mm)	Stroke (mm)	Weight (Kg)
20t	HL 620C	8t	276	152	15
20t	HL 1220C	8t	452	305	23
30t	HL 630C	12t	281	152	21
30t	HL 1230C	12t	470	305	31
60t	HL 1660C	24t	327	152	43
60t	HL 1260C	24t	533	305	65



c/w Screwed Ram (SR) and Locking Collar

- High pressure relief valve provides overload protection
- Fail-safe positive mechanism prevents over stroking of ram
- Available in detached mode



i Screwed Ram and Locking Collar should be selected when loads are to be sustained for a significant time. No need to rely on hydraulic fluid pressure

Cap	Fleet Code	Closed Height (mm)	Stroke (mm)	Weight (Kg)
20t	HL 620SR	289	152	12
20t	HL 1220SR	464	305	18
30t	HL 630SR	292	152	16
30t	HL 1230SR	479	305	24
30t	HL 1830SR	330	152	30
60t	HL 660SR	536	305	47
60t	HL 1260SR	568	152	57





Specialist Applications

Detached Operation

The Hydralite® range of jacks have a detached mode capability allowing them to be connected via a hose to a separate pump and used remotely in a cylinder-type operation.



Detached mode also allows multiples to be operated from a single power source.

-  *When used remotely it is strongly advised that a jack with a screwed ram and locking collar is employed where loads are to be sustained for any length of time*
-  *See pages 68 and 69 for Jacking Systems and Design Set Up and pages 60 and 61 for Hydraulic Accessories that help you get the most out of your jacking system*




Incorporating Integral Gauge

Gauges reading tons load on the ram can be fitted to the Hydralite® range. It is then possible to assess the load applied to the jack during operation. It can also be used as a weighing device.

-  *On the 100t HL6100 model the gauge is fitted directly to the integral Hydrapak pump*
-  *For details of our calibration services please see page 75*



-  *We also supply full range of Tangye Hydra® jacks for sale, please ask for our 20 page catalogue*



Hydraulic Jacks – Special Purpose

Hydramite® Low Height Jack

- Safe-Ram trip limits stroke, pressure relief valve prevents overloading

- Operates in any orientation. Swivel cap accommodates small degrees of mis-alignment
- Compact – small enough to fit in most tool boxes

Fleet Code	Cap (t)	Stroke (mm)	Closed Height (mm)	Weight (Kg)
HM 06	6.5	82	129	4



Hydraclaw® Toe Jack

- Powerful – 5t capacity on head or toe
- Fast operation – 10mm lift per stroke
- Versatile – horizontal or vertical operation

- Safe – positive stop feature prevents over-stroking, pressure relief valve prevents overloading

- Low clearance – 41mm on the toe

i For information on mechanical ratchet toe jacks please refer to page 51

Fleet Code	Cap (t)	Stroke (mm)	Toe Height (mm)	Head Height (mm)	Weight (Kg)
HC 05	5	178	41	330	17



Hydrovic® 360° Swivel Toe Jacks

- 360° Rotation of the toe through the body allows access to confined areas
- Equal capacity on head and toe

- Pressure relief valve prevents overloading
- Leakage-free patented process
- Very low toe height (25mm)
- Horizontal or vertical position

i 25t model available on request

Fleet Code	Cap (t)	Stroke (mm)	Closed Height		Weight (Kg)
			At Base (mm)	On Head (mm)	
HV 05	5	206	25	368	20
HV 10	10	233	25	413	29

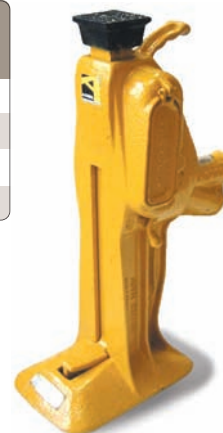


Mechanical Jacks – Special Purpose

Ratchet Jacks

These jacks utilise the familiar lever and fulcrum principle to lift and lower the load. The downward stroke of the lever raises the rack one notch. A pawl then slips into place to hold the load while the lever is raised to take another “bite”.

Fleet Code	Cap (t)	Stroke (mm)	Closed Height (mm)		Weight (Kg)
			Head	Toe	
RJ 05	5	241	406	38	15.5
RJ 10	10	305	559	64	29.6
RJ 15	15	292	559	64	37.5
RJ 20	20	457	711	64	47



Low Height Jacks


These unique wedge operation jacks are used for supporting structures, underpinning buildings, re-aligning bridge beams, levelling structural steelwork and shoring. They are operated by a powered wrench which activates the screw wedge action.

Fleet Code	Cap (t)	Stroke (mm)	Closed Height (mm)	Dimensions (mm)
LHJ 075	75	20	80	150 x 200



Cable Reel Jacks

Working in pairs, our range of heavy duty cable reel jacks have 3 hook positions per jack, one top position and two side positions.

 Please note that the side hooks are only rated at 50% of the top hook capacity

Fleet Code	Capacity Per Pair		Stroke (mm)	Top Hook Height (mm)	Reel Dia Range (mm)	Spindle Dia (mm)		Weight Per Pair (Kg)
	Side Hooks	Top Hooks				Side Hooks	Top Hooks	
CJ 05	5t	10t	254	533	508 - 1524	50	63	26.7



Airlift Bags

8 bar bags

A range of strong reinforced neoprene mats that are not only strong but surprisingly thin, enabling them to be used in a wide range of applications in lifting, shifting and moving.

The textured surface enables secure lifting.

Comes supplied with either a single or 2 way manifold control and pressure gauge.

- Up to 4 bags can be operated simultaneously
- Standard hose length 8m (other lengths available)

i Please note kits are supplied without compressors



Fleet Code	Size (mm)	Max Lift Generated (t)	Height Deflated (mm)	Height Inflated (mm)	Air Capacity (8 bar) Litres (nom)	Weight (Kg)
ALB 20	510 x 510	20	25	280	208	7.3
ALB 40	714 x 714	40	25	375	675	15.26

