

The Anorak Guide to Hiring and Buying Equipment for Canal Restoration

Last updated: 30/10/00

Purpose:

- to be a reference to what is currently available that might be of use in canal restoration
- to give a rough indication of relative prices of equipment
- to give impartial advice on items, enabling you to select between them
- to provide the information you need to select the right equipment and have a productive dig
- to avoid reinvention of the wheel, when it is already out there for hire (HSS code no. 49210!)

It is not, however:

- a definitive guide to everything that is out there
- an accurate source of prices – you should still obtain quotes from different companies
- ever going to be able to contain your little hire shop in Lower Twadlington
- going to be able to remain up-to-date without your help: please send me brochures for companies not featured, new brochures for companies featured, your experiences of anything you have hired, and any tips that you feel ought to be shared with others, to marcus.jones@btinternet.com or to Marcus Jones, Flat 15, 121 St George's Square, London SW1V 3QP.

When hiring, remember:

- to request every item you hire is demonstrated to you
- to request every item is started up in front of you
- to ask for safety information leaflets
- to check that you have sufficient personal protective equipment
- to check whether VAT is included in any quote
- to take two means of identification and a deposit if not an account holder
- to return the item when you have finished!

Contact Details

Ainscough	0845 7667777	via HSS One Call
Builders' Skip Hire	0845 7667777	via HSS One Call
Elliott	0845 7667777	via HSS One Call
Hewden Crane Hire	01977 556355	
Hewden Hire Centres	0800 371565	
Hewden Mobac	01995 602165	
Hewden Plant Hire	0141 7751011	
HSS Safe & Sure	0845 6088811	
HSS	0845 7282828	Lo-call to nearest branch
Kenning	0845 7667777	via HSS One Call
ScrewFix Direct	0500 414141	
SLD Pumps	0845 7667777	via HSS One Call

Item	Company	£ / day	£ / add day	£ / week end	£ / week	Notes
Acrow Props						The loading of an acrow prop decreases as the length increases, as the prop becomes more likely to buckle.
	Hewden Hire				2.50	Steel Props Size "0": 1.04-1.83m. Weight: 12.9kg. Size "1": 1.75-3.12m. Weight: 18.6kg. Size "2": 1.98-3.35m. Weight: 19.5kg. Size "3": 2.59-3.96m. Weight: 22.3kg. Size "4": 3.20-4.87m. Weight: 26.4kg.
	HSS					Steel Props Size "0": 1.1-1.8m. Weight: 12kg. SWL: 1700kg. Size "1": 1.8-3.0m. Weight: 17kg. SWL: 1500kg. Size "3": 2.6-3.9m. Weight: 22kg. SWL: 1000kg. Size "4": 3.2-4.9m. Weight: 29kg. SWL: 700kg.
	HSS				4.40	Each for 1-9.
	HSS				3.30	Each for 10-29.
	HSS				2.20	Each for 30+.
Angle Grinders						Can be used for mortar raking, stone cutting, stone grinding, metal cutting, metal grinding, wire brushing, sanding.
	Hewden Hire				19	100mm / 4". 590W. 2.2kg.
	Hewden Hire				19	125mm / 5". 850W. 2.5kg.
	Hewden Hire				23	230mm / 9". 2000W. 5.3kg.
	HSS	9.50	4.75	11.88	19	100mm. Use for cutting metal and deburring. 540W. 110 or 240V. Max cut depth 25mm.
	HSS	9.50	4.75	11.88	19	125mm. Use for grinding and brick raking. 1050W. 110 or 240V. Max cut depth 32mm.
	HSS	10	5	12.50	20	230mm. Use for heavy-duty grinding or as a cut-off saw.

						2000W. 110 or 240V. Max cut depth 64mm.
	HSS	24	12	30	48	300mm. Use for heavy-duty cut-off saw work on masonry or metal. 2200W. 110 or 240V. Max cut depth 25mm.
Axes						
	Hewden Hire				6	7lb.
Barbecue Grills						
	Hewden Hire				42	Charcoal. Cooking area 3' x 2'. Will give up to 50 people food poisoning.
	Hewden Hire				42	Gas. 600 sq inches cooking area. Split 50/50 grill to griddle.
	HSS	36	18	45	72	Gas barbecue grill. Suitable for all types of food cremation. Propane. Temperature control. 910mm x 600mm grill size.
Bolt Croppers						
	Hewden Hire				12	600mm.
	Hewden Hire				13	750mm.
	Hewden Hire				15	900mm.
	HSS	8	4	10	16	600mm, cuts bars up to 11mm (3/8 inch)
	HSS	9.50	4.75	11.88	19	900mm, cuts bars up to 16mm (5/8 inch)
Bottle Jack						
	Screwfix					2 ton trolley jack. £8.99.
Bowser						Remember to check the type of towing hitch when hiring.
	HSS				75	1130 litre / 250 gallon capacity. Water only. Weight (dry): 400kg.
Breakers						Remember to select the appropriate breaker not only for the job, but for the operator, and the angle it is to be used at. Horizontal use of a breaker is much more tiring than vertical. Leaders should be particularly aware of the dangers of use of breakers without adequate rest breaks. Consider use of vibration-damped breakers or vibration damping gloves (cost about £22) to minimise fatigue and vibrating white finger. Remember to get at least two, preferably more, bits – if one gets stuck, the breaker can be

						removed from it, another one loaded, and the stuck bit can then be drilled out. There may be a charge for sharpening bits of anything up to £5.50. Petrol driven breakers, where the engine is actually incorporated in to the breaker, are available – these have the advantages of reduced preparation time, but they will only function at a limited range of angles.
	Hewden Hire				35+	Demolition Tool / Clay Spade. Air powered. Light demolition or as a clay spade. High power to weight ratio. 40cfm. Weight: 10kg.
	Hewden Hire				30+	Air powered breaker. Use for demolition of floors, pavements, concrete, and macadam. Heavy duty. 63cfm. Weight: 31kg.
	Hewden Hire				70	Heavy duty electric breaker. <ul style="list-style-type: none"> • Kango 2500. 32.5kg. 2200W. • Bosch USH27. 29kg. 1800W.
	Hewden Hire				38	Medium duty electric breaker. Will break concrete up to 4” thick. <ul style="list-style-type: none"> • Kango 900. 10kg. 1050W. • Bosch GSH10C. 10kg. 1450W.
	Hewden Hire				32	Compact electric breaker. Kango 638. 750W. 7.2kg. Use for breaking out and chiselling concrete, and raking out mortar joints.
	Hewden Hire				30	Compact electric breaker. Makita HM0810. 940W. 9.1kg. Use for breaking out and chiselling concrete, and raking out mortar joints.
	Hewden Hire				84	Hydraulic breaker. Modern replacement for the pneumatic breaker. 7m hose length from power pack. <ul style="list-style-type: none"> • Beaver III Petrol. 101kg. • Trojan III Diesel. 153kg.
	Hewden Hire				68	2-stroke breaker. Power source and breaker in one unit.

						Kango 928. Medium duty, will break up to 100mm. 14.4kg.
	HSS	69.60	23.20	81.20	116	Petrol hydraulic breaker. Modern alternative to pneumatic breaker. Use on asphalt and concrete roads, pavements, paths, and slabs. High performance. Low operator fatigue. Vibration damped. 6m long detachable hose to run from power pack. Will break up to 12" depth.
	HSS	75.60	25.20	88.20	126	Diesel hydraulic breaker. Modern alternative to pneumatic breaker. Use on asphalt and concrete roads, pavements, paths, and slabs. High performance. Low operator fatigue. Vibration damped. 6m long detachable hose to run from power pack. Will break up to 12" depth. Running costs probably make it cheaper than its petrol equivalent.
	HSS	60	30	75	120	Heavy-duty petrol breaker. Incorporates power pack and breaker in one unit. Ideal for emergency work and jobs in awkward areas, though ensure good ventilation. Vibration damped handles. Recoil start 2 stroke, unleaded petrol. Weight: 24kg.
	HSS	17.50	8.75	21.88	35	Medium duty breaker. Electric. 110V or 240V. 1050 or 1450W. Specify 110V for site safety. Will break up to 4" depth. Weight: 10kg. Choice of points, chisels, bolsters, and clay spade.
	HSS	32.50	16.25	40.63	65	Vibration damped breaker. 50% less vibration. 110V or 240V. Specify 110V for site safety. 1600W. Weight: 11.3kg. Performance unknown.
	HSS	39	19.50	48.75	78	Heavy-duty breakers. Electric, making it ideal for use in areas with poor ventilation eg lock chambers. Low vibration. 110V or 240V. Specify 110V for site safety. 1450 or 2200W models. Weight: 33kg.
	HSS	25	12.50	31.25	50	Air-breakers. Medium (21kg) or heavy (28kg) duty. Will break up to 14" depth. 48 to 60cfm. As with all air tools, very cheap if there is already a compressor on site.
Bricksaws						See Cut-off Saws

Brushcutter						<p>Choose the correct head for optimum cutting:</p> <ul style="list-style-type: none"> • Around obstacles and for small weeds, use a supercut head. A single or double nylon line, ideal for cutting and thinning out, is kept at the optimum cutting length fully automatically. • For large weeds, use a polycut head. Fitted with three pivoting thermoplastic blades, it can be used for thinning out and working on large areas. • For reeds, bushes, and nettles use a metal blade, with up to 8 teeth. • For bushes and small wood, use a circular saw blade or scratcher tooth.
	Hewden Hire				45	2 stroke petrol brush cutter. Choice of cutting heads.
	HSS	21	10.50	26.25	42	Petrol brush cutter. Choice of line-head for grass or star-head for undergrowth. Choice of 2 or 4 stroke models – 4 stroke are more reliable, but heavier.
Cement Mixer						See Concrete Mixer
Chain Saws						Insist on anti-kick bar and full chain-saw safety-kit.
	Hewden Hire				80	2 stroke 375mm / 15". 5.2kg. Turbo air cleaning. Soft start decompression. Auto oiler.
	Hewden Hire				20	Chainsaw safety wear. Helmet with visor and ear defenders, leggings, gaiters/spats.
	HSS	51	17	59.50	85	Recoil start 2 stroke petrol chain saw. Max cut depth 355mm. Weight 5.2kg.
Compressors						Insist on automatic engine safety cut-out.
	Hewden Hire				90	Diesel engine. 91cfm. 102psi working pressure. 30 litre fuel tank. Weight: 750kg. Road towable.
	HSS	84	28	98	140	Single tool compressor. Silenced diesel engine, electric start. Choice of 74 or 125cfm output. Includes 8m airline. Weight: 520kg for 74cfm, 843kg for 125cfm. Road towable. Automatic engine safety cut-out.

Concrete Mixer						Consider an electric mixer for a quieter working area, particularly for mortar mixing for bricklayers – generators can be positioned a long way away. Always have an appropriate fall-back method for mixing concrete: this could be a sheet of ply for a small job, or a reserve mixer for a larger job. Remember to consider your dependence on a generator if you are using electric mixer. Intelligent layout of mixer, materials, and method of placing can significantly reduce the work involved.
	Hewden Hire				25	Electric tip-up concrete mixer. Mixes 3 cubic feet in 6 minutes. 370W. Approx 90 litres.
	Hewden Hire				25	Petrol tip-up concrete mixer. Mixes 3 cubic feet in 6 minutes. Approx 90 litres.
	Hewden Hire				38	Diesoil single cylinder air cooled concrete mixer. Hand start. Mixes 120 litres.
	HSS	10	5	12.50	20	Electric tip-up concrete mixer. Mixes 85 litres in 6 minutes. Standard Belle design. 110V or 240V available – insist on 110V for site safety. 630W. Weight: 78.5kg.
	HSS	11	5.50	13.75	22	Petrol tip-up concrete mixer. Mixes 85 litres in 6 minutes. Standard Belle design. Recoil start 4 stroke. Unleaded petrol. Weight: 82.5kg.
	HSS	24	12	30	48	Bulk concrete mixer. Mixes 113 litres. Trolley mounted. Heavy duty diesel mixer. Crank start. Weight: 390kg.
Concrete Pump						Always have an alternative method of placing ready for when it all goes pear-shaped. Definitely underused on restoration sites.
	Hewden Hire				400	0 to 23m ³ output. 38mm max aggregate size. 35mm min concrete slump. 200ft vertical pumping height. 1000ft horizontal pumping height. 750psi max concrete pressure. 5" pump outlet diameter. 43" hopper height. 283L hopper capacity. Diesel engine 57hp. 1587kg.
Cowley Level						Rarely suitable for restoration work. More suitable for major

						earthworks.
	HSS	24	12	30	48	Optical Site Level.
Cranes						
	Ainscough					Includes operator. 8 hours work per day on site. Larger cranes also available, up to 1000 tons!
	Ainscough	280				12 ton truck mounted.
	Ainscough	290				25 ton truck mounted.
	Ainscough	375				35 ton truck mounted.
	Ainscough	450				50 ton truck mounted.
	Ainscough	350				30 ton all-terrain.
	Ainscough	390				40 ton all-terrain.
	Ainscough	550				50 ton all-terrain.
	Ainscough	650				70 ton all-terrain.
	Ainscough	780				80 ton all-terrain.
Crow Bars						
	Hewden Hire				5	
Cut-off Saws						Also called quick cut saws and bricksaws. Suitable for cutting bricks, blocks, concrete, stone, roof tiles, or metalwork.
	Hewden Hire				38	12" 2-stroke cut-off saw. Petrol. 5100rpm. 4" cutting depth. 9.3kg.
	Hewden Hire				15	Dust free cutting. A wet kit for attachment to a 12" cut-off saw.
	HSS	18	9	22.50	36	12" portable cut off saw, petrol. 12" disc size. 4" depth of cut. Recoil start 2 stroke. Unleaded + 2 stroke mix. Weight: 9.4kg.
	HSS	26	13	32.50	52	14" portable cut off saw, petrol. 14" disc size. 5" depth of cut. Recoil start 2 stroke. Unleaded + 2 stroke mix. Weight: 10.3kg.
Diamond Blades						Few hire shops carry large stocks of diamond blades, but can often order them in for hire or sale. Hire shops charge

						<p>wear per mm. Some typical prices:</p> <ul style="list-style-type: none"> • 450mm diameter for concrete. £420 to buy. £16 / week to hire, with wear charged at £84 / mm. • 125mm diameter x 4.5mm thickness for mortar raking. £140 to buy. £5 / week to hire, with wear charge at £28 / mm.
Drills (inc. Hammer Drills)						
	Hewden Hire				42	Heavy duty electric drills / rotary hammer. Hilti TE74. 1050W. 7.9kg. Drills 12-37mm solid and up to 152mm core. Use for drilling in to concrete, stone, and brickwork. Produces clean hole.
	Hewden Hire				38	Heavy duty electric drills / rotary hammer. Kango 950K. 1050W. 11.4kg. Drills 16-50mm solid and up to 125mm core. Use for drilling in to concrete, stone, and brickwork. Produces clean hole.
	Hewden Hire				42	Heavy duty electric drills / rotary hammer. Bosch GBH8DCE. 1050W. 8kg. Drills 12-40mm solid and up to 100mm core. Use for drilling in to concrete, stone, and brickwork. Produces clean hole.
	Hewden Hire				40	Medium duty electric drills / rotary hammer. Hilti TE54. 900W. 5.9kg. Drills 12-37mm solid and up to 90mm core. Use for drilling in to concrete and masonry.
	Hewden Hire				32	Medium duty electric drills / rotary hammer. Hilti TE24. 740W. 4.9kg. Drills 4-32mm solid and up to 80mm core. Use for drilling in to concrete and masonry.
	Hewden Hire				40	Medium duty electric drills / rotary hammer. Bosch GBH5DCE. 950W. 5.9kg. Drills 12-40mm solid and up to 90mm core. Use for drilling in to concrete and masonry.
	Hewden Hire				30	Compact electric drills / rotary hammer. Hilti TE15. 650W. 3.9kg. Drills 4-25mm.

	Hewden Hire				26	Compact electric drills / rotary hammer. Hilti TE5. 500W. 2.8kg. Drills 4-20mm.
	Hewden Hire				35	Compact electric drills / rotary hammer. Hilti T5 – DRS. 560W. 3.6kg. Drills 5-17.5mm. Dust free drilling.
	Hewden Hire				35	Compact electric drills / rotary hammer. Bosch GBH 2SE. 620W. 2.4kg. Drills 4-24mm.
	Hewden Hire				24+	2 speed percussion drill – cordless. 9.6V drill, 240V charger. Charge time: 1 hour. 1.8kg. Will drill into sandstone, aluminium, steel, wood. Screwdriver.
	HSS	18.50	9.25	23.13	37	Heavy duty combi hammer. Drills up to 150mm / 6” diameter in masonry and concrete. 12-40mm solid, 150mm core. 110V or 240V. 1300W. 7kg.
	HSS	18.50	9.25	23.13	37	Medium duty combi hammer. Drills up to 32m diameter in masonry and concrete. 12-32mm solid, 90mm core. 110V or 240V. 830W. 4.9kg.
	HSS	15	7.50	18.75	30	Cordless drill. Also can be used as a percussion drill and screwdriver. Up to 500 holes between recharging. 10mm in steel, 10mm in masonry, and 16mm in wood.
Dumpers						
	Hewden Hire				110	Micro Dumper and skip loader. 4 stroke petrol engine. 11HP. 4mph. Weight 560kg. Max load: 500kg. Max lift height: 1.905m. 2 position front wheels to give: <ul style="list-style-type: none"> • 0.82m for restricted access. • 1.01m for max. stability.
Dumpy Level						
	HSS	32	16	40	64	Quick-set Site Level.
Ear Defenders						Should comply to EN352-1.
	Screwfix					From £3.50.
Ear Plugs						Yuk. Not recommended. Use ear defenders. Should comply to EN352-2 for what it is worth.
Excavators						

	Hewden Hire				195	0.8 ton mini excavator. 360 degree. Designed for awkward access. Range of popular bucket sizes. 4 stroke petrol engine 11HP. 1000mm wide. 2133mm high in transport position. 1.796m max dig depth. 1m max vertical dig depth. 1.524m max dump height. Weight 880kg. No cab.
	Hewden Hire				260	1 ton mini excavator. 360 degree. Water cooled 3 cylinder diesel 16.3HP. 990mm wide. 2190mm high. 2365mm max digging depth. 1570mm max vertical dig depth. 2350mm max dump height. Weight 1485kg. JCB801.
Extension Leads						Yellow for 110V supply. Blue for 240V supply. Beware of voltage drop in long cable runs.
	Hewden Hire				6	110V, 32A heavy-duty leads. 14m.
	HSS	5.25	2.63	6.56	10.50	110V, 32A heavy-duty leads.
Fencing Pliers						Essential if putting in gabions to produce good joins.
	Screwfix					10.5" Fencing Tool. £11.99.
Generators						Most generators are not designed to power sensitive electronic equipment and may cause damage – always use a surge protector, and be aware that most generators produce a voltage spike on startup and shutdown. The true usable output of a generator can be obtained by multiplying the kVA output by the power factor, typically around 0.8. To determine what size generator is required for a given load, add up the wattage of the equipment you intend to use. If the wattage of a tool you want to use is not know, it can be obtained by multiplying the voltage by the amperage.
	Hewden Hire				42	Petrol generator 2.2kVA. 4 stroke 5.5HP. 40kg.
	Hewden Hire				50	Petrol generator 3kVA. 4 stroke 5.5HP. 45kg.
	Hewden Hire				52	Petrol generator 4kVA. 4 stroke 8HP. 60kg.
	Hewden Hire				50	Diesel generator 3kVA. 6.7HP. 85kg.
	Hewden Hire				53	Diesel generator 4kVA. 6.7HP. 85kg.

	Hewden Hire				65	Diesel generator 5kVA. 7.1HP. 135kg. Electric start.
	Hewden Hire				85	Diesel generator 6kVA. 11HP. 150kg. Electric start.
	Hewden Hire				90	Diesel generator 8kVA. 11HP. 155kg. Electric start.
	Hewden Hire				115	Diesel generator 10kVA. 13.5HP. 380kg. Electric start.
	Hewden Hire				140	Diesel generator 15kVA. 13.5HP. 380kg. Electric start.
	HSS	24	12	30	48	2.6kVA portable diesel. Supplies 110 or 240V. Frame mounted. Electric start. 2.2kW continuous power. 3 hour running time. Weight: 49.5kg.
	HSS	18.50	9.25	23.13	37	2.6kVA portable petrol. Supplies 110 or 240V. Recoil start 4 stroke. 2.2kW continuous power. 3 hour running time. Weight: 41kg.
	HSS	38	19	47.50	76	3kVA long tank petrol. 110 or 240V. 2.7kW continuous power. 13 hour running time. Unleaded petrol. Weight: 50kg.
	HSS	65	32.50	81.25	130	3kVA mobile gas. Super-silenced. Runs for over 24 hours on one 46kg propane cylinder. Safety circuit breakers and oil-alert. Electric start 4-stroke. Supplies 110 or 240V. 3kW continuous power. Weight: 110kg. Expensive, but very quiet.
	HSS	57	28.50	71.25	114	5kVA site diesel. Electric start. 110 or 240V. 4kW continuous power. 3.5 hour running time. Weight: 135kg.
	HSS	86	43	107	172	8kVA site diesel. Electric start. 110 or 240V. 6.4kW continuous power. 7 hour running time. Weight: 200kg.
Goggles						Should comply to EN166. Select according to ventilation, particle impact speed, and protection from liquid droplets as appropriate.
	Screwfix					From £0.98.
	Screwfix					Superior. £2.79.
Hand Cleaner						
	Screwfix					From £2.99 for 1 litre.
Hard Hats						Ensure compliance with EN397. Hard hats have a 2 year

						life, or until their first major knock, whichever comes first. Bump caps offer much lower standards of protection (to EN812) and shouldn't be used on any of our sites.
	Screwfix					Standard. From £2.86.
	Screwfix					Superior. From £5.70.
	Screwfix					Forestry. £29.99.
Heaters						To estimate your heater requirement, multiple the room volume in cubic feet by 5 to give the approx British Thermal Units required per hour. Increase for marquees and poorly insulated buildings.
	HSS	26	13	32.50	52	42000-105000 BTU Blower Heater. Controllable heat output. Safety overheat and flame-failure cut-out. Easily moved, with low temperature casting. Heat large areas quickly. Fan assisted propane heater. 0.98 – 2.5kg/hr gas consumption. 110 or 240V. 60W. 11.5kg weight.
	HSS	32	16	40	64	85000-150000 BTU Blower Heater. Controllable heat output. Safety overheat and flame-failure cut-out. Easily moved, with low temperature casting. Heat large areas quickly. Fan assisted propane heater. 1.8 – 3.2kg/hr gas consumption. 110 or 240V. 60W. 19.4kg weight.
	HSS	42	21	52.50	84	90000-280000 BTU Blower Heater. Controllable heat output. Safety overheat and flame-failure cut-out. Easily moved, with low temperature casting. Heat large areas quickly. Fan assisted propane heater. 1.9 – 5.9kg/hr gas consumption. 110 or 240V. 150W. 29.6kg weight.
High Visibility Clothing						Ensure compliance to EN741 Class 2 if working on or near traffic: this is a legal requirement under the Roads and Street Workers Act. Class 3 is a higher standard, required for motorways! Colour should be yellow – orange is for railways.
	Screwfix					Tabard. Class 2. £9.99.

Knee Pads						
	Screwfix					£4.99.
Ladders						Lay ladders flat on the ground and extend them to the required height, then raise in to their working position. Rope-operated ladders however should be held upright while being extended, and require at least 2 people. Ensure sections on extendable ladders overlap by at least 2 rungs for ladders shorter than 4.5m/15ft, and by at least 3 rungs for longer ladders. Ladders should be securely tied to a permanent structure at the upper resting place. When this is not possible, ladders should be tied securely at or near the lowest end. Never use a rung as a securing point. When erected, ladders need to be at an angle of approx. 75° from the horizontal, i.e. the distance from the base of the ladder to the vertical surface should be a quarter of the distance from there to the top of the ladder.
	Hewden Hire				24	Double. 3-5.25m.
	Hewden Hire				26	Double. 3.5-6.25m.
	Hewden Hire				29	Double. 4-7.25m.
	Hewden Hire				29	Double. 4.5-8.25m.
	Hewden Hire				31	Double. 5-9m.
	Hewden Hire				31	Double. 5.25-9.25m.
	Hewden Hire				42	Double. 6-10.75.
	Hewden Hire				48	Double. 6.75-12.25m.
	Hewden Hire				32	Treble. 2.75-6.75m.
	Hewden Hire				32	Treble. 3.5-9m.
	Hewden Hire				48	Treble. 4-10m.
	Hewden Hire				54	Treble. 4.5-10.75m.
	Hewden Hire				60	Treble. 5.2-13m.
	Hewden Hire				75	Treble. 6-15m.
	Hewden Hire				85	Treble. 6.75-17.75m.

	HSS					Push-up ladders. Lightweight alloy extension ladders.
	HSS	12.50	6.25	15.63	25	Double. 3.5-6.2m. Weight: 14.7kg.
	HSS	17	8.50	21.25	34	Double. 5.0-9.0m. Weight: 22.2kg.
	HSS	12.50	6.25	15.63	25	Treble. 2.5-6.0m. Weight: 18.0kg.
	HSS	17	8.50	21.25	34	Treble. 3.5-9.1m. Weight: 22.0kg.
Lamp Irons						
	HSS				0.40	
	Screwfix					20 for £39.99.
Measuring Wheel						
	HSS	15	7.50	18.75	30	Accuracy +/- 1%.
Mortar Raker						Rake out mortar joints ready for re-pointing in much less time than by hand.
	HSS	22.80	7.60	26.60	38	110V or 240V. Specify 110V for site safety. 550W. Weight: 2.4kg. Hire rate includes one cutter. Uses fast, effective tungsten carbide cutter. Additional cutters cost £26.50.
Paving Mallet						Use for bedding paving slabs etc in to sand.
	Hewden Hire				8	
	HSS	4.50	2.25	5.63	9	Rubber.
Pick Axe						
	Hewden Hire				6	
Pinch Bars						
	Hewden Hire				4	
Post Driver						
	Hewden Hire				8	6" bore.
	HSS	8.50	4.25	10.63	17	Drives posts up to 5" round or 3.5" square.
Pressure Washers						If connecting from the mains, a water break tank should be used to eliminate the risk of mains water contamination by preventing pressure fluctuations.
	Hewden Hire				38	Lightweight pressure washer. 45cc 2 stroke petrol. 70-120

						bar (1029 – 1764 psi). 600L/hour. 8.5kg. Mains or suction feed.
	Hewden Hire				85	Heavy duty pressure washer. 5.5HP 4-stroke petrol. 10-150 bar (147-2205 psi). 100-850L/hour. 29kg.
	HSS	66	33	82.50	132	High pressure washer. Petrol. Mains or suction feed water supply. Spray lance and 10m hose included. 200bar / 2900psi. 15L/min output. Pull-start. Unleaded. 61kg.
	HSS	76	38	95	152	High pressure washer. Diesel. Mains or suction feed water supply. Spray lance and 10m hose included. 200bar / 2900psi. 15L/min output. Electric-start. 115kg.
	HSS	3	1.50	3.75	6	Break tank. 20L. 12kg.
Pumps						
	Hewden Hire				40	2" centrifugal pump. Self priming. Petrol 4-stroke 4hp. 26m total headlift. 8m suction headlift. 600L/min max discharge. 22kg.
	Hewden Hire				50	3" centrifugal pump. Self priming. Petrol 4-stroke 5.5hp. 30m total headlift. 8m suction headlift. 1000L/min max discharge. 28kg.
	Hewden Hire				60	2" petrol diaphragm pump. 4 stroke petrol 4hp. 2500 gallon / hour max output. 6m max suction. 18m total head. 20mm max solids. 45kg.
	Hewden Hire				55	2" diesel diaphragm pump. Diesel 5hp. 2500 gallon / hour max output. 6m max suction. 18m total head. 20mm max solids. 110kg.
	Hewden Hire				65+	3" diesel diaphragm pump. Diesel 6hp. 5000 gallon / hour max output. 7.5m max suction. 20m total head. 40mm max solids. 11-16 hours running time on a full 8L tank. 175kg.
	HSS	35	17.50	43.75	70	50mm (2") Centrifugal Pump. 600L/min max output . 8m max suction lift. 27m max total head. Unleaded petrol, 2 stroke oil mix. Weight: 23kg. Comes with 6m suction hose and strainer. Will cope with particles up to 6mm.

	HSS	47	23.50	58.75	94	75mm (3") Centrifugal Pump. 1000L/min max output. 8m max suction lift. 28m max total head. Unleaded petrol, 2 stroke oil mix. Weight: 29kg. Comes with 6m suction hose and strainer. Will cope with particles up to 6mm.
	HSS	50	25	62.50	100	50mm (2") Diaphragm Pump. Ideal for pumping muddy water. Will also handle sand, light sludges and solids in suspension. Self-priming from dry. 190L/min max output. 6m max suction lift. 18m max total head. Diesel. Weight: 112kg. Rugged site trolley. Runs dry or on snore indefinitely. Electric start engine with recoil back-up.
	HSS	52.50	26.25	65.63	105	75mm (3") Diaphragm Pump. Ideal for pumping muddy water. Will also handle sand, light sludges and solids in suspension. Self-priming from dry. 375L/min max output. 6m max suction lift. 18m max total head. Diesel. Weight: 158kg. Runs overnight without refuelling. Electric start engine with recoil back-up.
	HSS	43	21.50	53.75	86	Heavy duty submersible pump 80mm. Copes with suspended silt, sand and gravel up to 10mm diameter. Comes with transport trolley. 900L/min max output. 16m total head. 110V. 1750W. Weight: 33kg.
	SLD Pumps				112	3" diesel auto self-priming pump CD80D. 22m max lift. 17100 gallons per hour. 40mm max solids.
	SLD Pumps				167	4" diesel auto self-priming pump CD100M. 33m max lift. 36000 gallons per hour. 45mm max solids.
	SLD Pumps				235	6" diesel auto self-priming pump CD150D. 25m max lift. 84000 gallons per hour. 65mm max solids.
	SLD Pumps				152	3" acoustic self-priming pump CD80MQ. 22m max lift. 17100 gallons per hour. 40mm max solids.
	SLD Pumps				236	4" acoustic self-priming pump CD100MQ. 33m max lift. 36000 gallons per hour. 45mm max solids.
	SLD Pumps				300	6" acoustic self-priming pump CD150MQ. 25m max lift. 84000 gallons per hour. 65mm max solids.

	SLD Pumps				160	3" hydraulic diesel submersible pump 80Q. 26m max lift. 17500 gallons per hour. 40mm max solids.
	SLD Pumps				12	3" poly or steel suction pipe, per 6m
	SLD Pumps				16	4" poly or steel suction pipe, per 6m
	SLD Pumps				12	6" poly or steel suction pipe, per 3m
	SLD Pumps				7	3" poly or steel discharge pipe, per 6m
	SLD Pumps				8	4" poly or steel discharge pipe, per 6m
	SLD Pumps				12	6" poly or steel discharge pipe, per 6m
Punner						Use for tamping down in awkward spaces.
	Hewden Hire				4	
	HSS	4.50	2.25	5.63	9	
Quick-cut Saws						See Cut-off Saws.
Rammer						Use for compacting sand, gravel or hardcore in trenches and other confined areas. NB: use in trenches can lead to collapse of trench. Under the New Roads and Streetworks Act, for reinstatement of openings in public highways, there is a weight requirement of at least 50kg. Approved machines are marketed as "HAUC" approved. Gloves should be worn at all times.
	Hewden Hire				55	BS45Y. 2 stroke petrol. 220 x 330mm foot. 48 joules impact energy. Weight: 50kg.
	Hewden Hire				55	BS52Y. 2 stroke petrol. 160 x 330mm foot. 61 joules impact energy. Weight: 57kg.
	Hewden Hire				60	BS60Y. 2 stroke petrol. 280 x 330mm foot. 65 joules impact energy. Weight: 60kg.
	Hewden Hire				70	BS65Y. 2 stroke petrol. 330 x 280mm foot. 15-80 joules impact energy. Weight: 65kg.
	HSS	37	18.50	46.25	74	HAUC approved. Weight: 68kg. Silenced 2 stroke petrol engine. 6.9-7.4kN compacting force. Plate size: 330 x 285mm.
Residual						An RCD is designed to prevent electric shock to personnel

Current Device						due to faulty appliances or wiring. Plugged in as close to the power source as possible, the RCD will detect changes in the proper flow of current (eg when a cable is cut). Within milliseconds the RCD automatically disconnects the power supply to prevent electrocution.
	Hewden Hire				4	110V.
	HSS	4.50	2.25	5.63	9	Heavy duty 110V RCD power breaker. Waterproof, with 16A socket.
Road Cones						Legal requirements: In 40mph or less single carriageway, 450mm high. In 40 mph or less dual carriageway, 450mm high. In 50mph or more single carriageway, 450mm high. In 50mph or more dual carriageway, 750mm high.
	Hewden Hire				3	500mm high.
	Hewden Hire				4	1000mm high.
	HSS				2.50	460mm high.
	HSS				4.40	750mm high.
Road Signs						Legal requirements: In 40mph or less single carriageway, 600mm high. In 40 mph or less dual carriageway, 750mm high. In 50mph or more single carriageway, 750mm high. In 50mph or more dual carriageway, 1200mm high.
	Hewden Hire				6	Road signs. 600, 750, or 1200mm height.
	Hewden Hire				10	Stop / Go Sign.
	HSS				12	750mm frame height. Road Works, Road Narrows on Left, Road Narrows on Right, Keep Left/Right, Ramp Ahead, Road Ahead Closed, Road Closed
	HSS				15	750mm frame height. Diversion Arrow, Pedestrian Arrow
	HSS				16	Manual Stop/Go Board.

Rubber Mauls						See Paving Mallet.
Safety Footwear						Should comply to EN345. Consider steel mid-soles, particularly on demolition sites. Safety waders are also available. All sizes are available. For the best choice look at the Arco catalogue (www.arco.co.uk). Beware: several suppliers and builders merchants only do the more common sizes eg: Screwfix only does sizes 8, 9, and 10.
	Screwfix					Boots. £19.99.
	Screwfix					Wellingtons. £13.99. With a lovely gloss finish that makes them almost as nice as Ed Walker's yellow wellies.
	Screwfix					Riggers. From £29.99.
Saws						
	Screwfix					Screwfix Turbocut carpentry saw. £3.99.
Security Fencing						
	Hewden Hire				1/m	Mesh fence. 3.5m x 2m panels. 24kg each panel. Concrete feet: 840 x 230 x 160mm. 38kg each foot. Accessories available.
	HSS					Mesh fence. Heras / Anti-climb. 3m wide mesh panels, supplied with rubber feet and stabilisers. Panel size actually 2.85 x 2m. Weight: 33kg per panel and 33kg per foot.
	HSS				4	Each for 1-9.
	HSS				3.25	Each for 10-29.
	HSS				2.50	Each for 30+.
	HSS					Heavy duty orange plastic fencing rolls. Supplied in 1m x 50m rolls. £19.90 per roll for sale only. Use with lamp irons.
	Screwfix					Barricade Fence. The orange plastic stuff. 1m x 50m rolls. £22.99 for one, £18.00 for 5 or more.
Scaffold Board						
	Hewden Hire				1+	2.7m to 4.0m. Cost from £1.
	HSS					Available lengths 2.4m to 4m (8ft to 13ft). Can be used

						with steel trestles to provide working platform.
	HSS				2.60	Each for 1-9.
	HSS				1.95	Each for 10-29.
	HSS				1.30	Each for 30+.
Shovels						
	Hewden Hire				4	
	HSS	4	2	5	8	
Shovel Holer						
	HSS	9.50	4.75	11.88	19	Traditional scissor action design. Use for post holes and other small, deep excavations.
	Screwfix					Post hole digger. £26.99.
Site Offices						
	Elliott				38	Armourclad steel office. 6.0 x 2.4m. Min. hire period is 4 weeks. Fully welded construction. Fully insulated floors. Windows with shutters. Single door. Transport extra according to location.
Site Stores						
	Elliott				16	Armourclad steel store. 6.0 x 2.4m. Min. hire period is 4 weeks. Fully welded construction. Plywood lining. Double end doors. Transport extra according to location.
Site Toilets						
	Elliott				38	Single unit serviced loo. Min. hire period is 4 weeks. Regular waste collection.
Skips						When ordering a skip, provide the following information: <ul style="list-style-type: none"> • waste type • skip placement (on / off public highway) • site access (height, width and time restrictions) • service required (delivery, collection, or exchange)
	Builders' Skip Hire					£115 - £155 depending on location. Standard 8 yard (6m ³) open skips for dry non-hazardous waste. Over 2000 local agents.

Skip Ramps						Considerably safer than scaffold boards, especially in the wet. Hook on end attaches to skip. Many other applications on site.
	HSS	5.25	2.63	6.56	10.50	Alloy. 2.4m. Weight: 35kg.
Sledge-hammers						
	Hewden Hire				5	7lbs or 14lbs.
	HSS	4.50	2.25	5.63	9	7lbs or 14lbs.
Steel Trestles						
	Hewden Hire				4	Use with scaffold boards or staging. Suitable for bricklaying etc. Range of platform heights available: No.1: 0.51-0.71m. No.2: 0.76-1.17m. No.3: 1.07-1.68m. Provides 3ft wide working platform. When used with scaffold boards, S.W.L. 460kg evenly distributed. Requires 4 scaffold boards per platform. Scaffold boards must be supported at 1.2m centres.
	HSS					Use with scaffold boards or staging. Suitable for bricklaying etc. Range of platform heights available: No.1: 0.5-0.8m. No.2: 0.8-1.2m. No.3: 1.1-1.6m. Provides 3ft wide working platform. When used with scaffold boards, S.W.L. 375kg evenly distributed.
	HSS				4.40	Each for 1-9.
	HSS				3.30	Each for 10-29.
	HSS				2.20	Each for 30+.
Theodolites and Total Stations						Not only useful for setting out new work, but also to survey things that are about to be covered up or flooded again, enabling faster excavation / location in the future.

	HSS Safe & Sure	80	40	100	160	Electronic theodolite.
	HSS Safe & Sure	155	77.50	194	310	Total station.
Ton Bags						If you have got a secure storage compound, you can save a lot of money by getting ballast and sand delivered unbagged by the lorry load. Fill one ton bags as needed. Half filled, these bags can easily be lifted by an 803 or skid steer loader.
	Screwfix					£7.99.
Traffic Lights						
	SLD Pumps				100	Road ready traffic lights. Propane engine. Will run continuously for up to a week.
Vans and Trucks						
	Kenning	28.75			115	Escort van.
	Kenning	35.50			142	Transit panel van.
	Kenning	62			248	Transit luton van.
	Kenning	49.50			198	Iveco hi-cube curtainsider.
	Kenning	49			196	Transit tipper truck.
	Kenning	82.50			330	7.5T dropside truck.
Vibrating Plates / Plate Compactors						Under the New Roads and Streetworks Act, for reinstatement of openings in public highways, there is a requirement of at least 1400kg per metre ² of contact surface area. Approved machines are marketed as "HAUC" approved. Petrol driven models are often unsuitable, as they cut out when the machine tilts more than a few degrees.
	Hewden Hire				45	EPC 300. HAUC approved. Petrol 2.2HP. 12kN compacting force. 56kg. Plate size: 300 x 415mm.
	Hewden Hire				45	VPA 1340. Petrol 5.5HP. 13kN compacting force. 80kg.

						Plate size: 400 x 635mm.
	Hewden Hire				45	PVP 7545A. Petrol 4HP. 15kN compacting force. 70kg. Plate size: 450 x 610mm.
	Hewden Hire				11	Plastic overshoe for PVP 7545A.
	Hewden Hire				74+	Petrol forward / reverse vibratory plate. 5.5HP. 25kN centrifugal force. Plate size: 750mm x 400mm.
	Hewden Hire				74+	Diesel forward / reverse vibratory plate. Air cooled. 24kN centrifugal force. Plate size: 700mm x 400mm.
	HSS	21	10.50	26.25	42	Medium Vibrating Plate. Suitable for hardcore, sand and gravel. Compact force: 12kN. Plate size: 400 x 370mm. Petrol. Weight: 70kg.
	HSS	21	10.50	26.25	42	Light Vibrating Plate. Suitable for sand, gravel, and bedding in block paving. Compact force: 10kN. Plate size: 498 x 300mm. Petrol. Weight: 50kg.
	HSS	57.50	28.75	71.88	115	Diesel Forward / Reverse Plate Compactors. HAUC approved. Particularly suitable for soil and blacktop compaction in trenches and confined areas. Self cleaning base plate. Compact force: 25kN. Weight: 156kg.
	HSS	50	25	62.50	100	Petrol Forward / Reverse Plate Compactors. HAUC approved. Particularly suitable for soil and blacktop compaction in trenches and confined areas. Self cleaning base plate. Compact force: 18kN. 4-stroke. Weight: 93kg.
	HSS	27.50	13.75	34.38	55	Asphalt Plate Compactor. HAUC approved. For use on asphalt and other bituminous materials. Water tank and sprinkler. Large plate: 600 x 400mm. Compact force: 12kN. Weight: 79kg.
Vibrating Roller						Under the New Roads and Streetworks Act, for reinstatement of openings in public highways, there is a requirement of at least 600kg per metre width of roll. Approved machines are marketed as "HAUC" approved.
	Hewden Hire				72+	Small vibrating roller. Petrol 3.5HP. 10kN compacting /

						centrifugal force. 136kg. 560mm rolling width.
	HSS	58	29	72.50	116	Large Vibrating Roller. 750mm wide roller. Water tank and sprinkler for tarmac / asphalt. 18.7kN compacting force. Diesel. Weight: 470kg. Requires pickup or flatbed for collection. HAUC approved.
	HSS	49	24.50	61.25	98	Mini Vibrating Roller. Not HAUC approved. 560mm roller width. Water tank. 10.1kN compacting force. Petrol – 4 stroke. Weight: 136kg. Comes on trailer if collecting.
Vibrators						Proper vibration of concrete is essential. 5% air voids in a mass of concrete can reduce its strength by 30%. Ensure vibration is carried out until air bubbles stop rising from around the vibrator's poker head. Vibration also reduces shrinkage and improves adhesion to reinforcement. Poker heads that do not start to vibrate immediately on starting of the power source should be tapped sharply against a solid surface. Vibrators should be used with great care in concrete pours that have unlined earth bases or sides, as they can draw impurities in to the mix, weakening the concrete. Poker heads that are wider than their shafts can hook up on reinforcing mesh. Goggles should be worn at all times due to splashing of concrete, and gloves should be worn due to the vibration as well as for protection from the alkali concrete action. Pokers and hoses should be thoroughly washed as soon as they are finished with. Consider use of air poker vibrators when an air compressor is available on site – they can work out considerably cheaper, and are ideal for fast compaction of low slump concretes.
	Hewden Hire				38	Air powered vibrator poker. Ideal for low slump concretes. Three sizes: <ul style="list-style-type: none"> • 35mm. 21cfm. 5.8kg. • 55mm. 29cfm. 8.7kg.

						• 75mm. 43cfm. 13.9kg.
	Hewden Hire				50	Electric drive and poker. 750W. 18kg.
	Hewden Hire				58	Petrol drive and poker. 5.5HP. 28kg.
	Hewden Hire				61	Diesel drive and poker. 65kg.
	Hewden Hire				25	Additional pokers. 25, 35, 45, and 60mm poker heads.
	HSS	41	20.50	51.25	82	Engine poker vibrator. Unleaded petrol, recoil start 4 stroke. Weight: 50kg. Choice of heads, with quick release couplings. Birdcage mounted engine. Flexible 5m drive shaft. Fast and effective in deep wet concrete. Additional poker heads can be hired in a range of sizes from 25mm to 65mm diameter, but are expensive at £32-£38 per week.
	HSS	29	14.50	36.25	58	Electric poker vibrator. 110V. 1000W. Weight: 14kg. Portable, lightweight. Very efficient 39mm head. 3m long drive shaft, but power unit can be carried much closer than alternatives. Beware trailing cables catching on reinforcing mesh.
	HSS	22	11	27.50	44	Air poker vibrator. 25mm diameter head. 14cfm air consumption. Weight: 7kg.
	HSS	24	12	30	48	Air poker vibrator. 50mm diameter head. Air consumption and weight unknown.
	HSS	25	12.50	31.25	50	Air poker vibrator. 75mm diameter head. 46cfm air consumption. Weight: 14kg.
Water Level						Idiot proof and very underused.
	Screwfix					£13.99. 10m hose.
Wheelbarrow						
	Hewden Hire				6	
	HSS	4.50	2.25	5.63	9	80 litre, pneumatic tyre.
Youngman Boards						
	HSS					Super Board Staging. Wide non-slip surface. Supports up to 3 people with tools at heights above 2m. Requires 300mm

						overlap. S.W.L. 275kg per deck, evenly distributed.
	HSS	13	6.50	16.25	26	2.4m / 8ft Super Board Staging. Weight 20kg.
	HSS	15	7.50	18.75	30	3.6m / 12ft Super Board Staging. Weight 27kg.
	HSS	18	9	22.50	36	4.8m / 16ft Super Board Staging. Weight 40kg.
	HSS	21	10.50	26.25	42	6.0m / 20ft Super Board Staging. Weight 55kg.
	HSS	23	11.50	28.75	46	6.6m / 22ft Super Board Staging. Weight 62kg.