



SPECIALISED FORCE
HYDRAULIC TOOLS &
SPECIALISED EQUIPMENT
PTY. LTD.

Hydraulic Tools & Equipment



www.specialisedforce.com.au



HYDRAULIC TOOLS & EQUIPMENT

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POST DRIVER (MADE IN JAPAN)



FEATURES

- For fencing, piping, road barrier tubes, signposts, earth rods, anchors, tendrils supports, braces...etc
- Two Side handles make it ergonomically easier to operate
- Lightweight body
- It can drive up to diameter 120mm wide posts with model KH650, contact Specialised Force for more details
- On/Off Valve is located on Handle for ease of operation

SPECIFICATIONS

Model No.	KH-182
Overall Length (mm)	600 x 273
Weight (kg)	23
Oil Flow (L/min)	18-22
Blow Per Minute (bpm)	1700
The Biggest Diameters {Options} (mm)	80 {100 & 120}
Working Pressure (bar)	78-118



ROCK DRILLS

FEATURES

- For breaking stones, roads and for drilling dynamite boreholes
- The only one rock drill in the world with a built-in air compressor
- No air or water supply necessary
- Low noise and dust free
- Can be used as breakers with 4 adjustable speed feature

SPECIFICATIONS

(AIR COMPRESSOR CAPACITY 50-80L/min)

Model No.	DH204	DH205
Overall Length (mm)	626	692
Width	412	410
Weight (kg)	20	22
Oil Flow (L/Min)	20 – 25	
Shank Size Hex	7/8" x 4 1/4" (22 x 108mm)	
Rotation Speed (RPM)	0 - 400(4 adjustable speed)	
Operating Pressure (bar)	140	
Maximum Drilling (mm)	65 DIA	
Drilling Depth (m)	Up to 3	



DH204 Standard Model



DH205 Anti-Vibration Handle Model

CONCRETE & ASPHALT SAW/CUTTER (MADE IN JAPAN)



FEATURES

- Used for cutting concrete, asphalt surfaces and cast iron pipe products
- Fitted with hydraulic motor, reduced noise compared with petrol engine cutters
- High torque which makes good use of hydraulic system results in maximum efficiency
- It can be used in a wet environment
- Compared to petrol engine cutters, hydraulic cutters have a great advantage due to less parts for service and repair
- Compact, lightweight body can be used in narrow places
- Supplied with Whip Hoses and cutting blade

SPECIFICATIONS

Model No.	CH-130
Overall Dimension (mm)	602 x 207 x 315
Weight (kg)	8
Required Oil Flow (L/Min)	20.5
Rotation (RPM)	3200
Blade Diameter (mm)	305 (HOLE DIAMETER 22)



HYDRAULIC ROCK BREAKERS (MADE IN JAPAN)



BH051V

BH112V

BH161V

BH23K



SCAN & PLAY



FEATURES

- Used in finishing and demolition work
- Low Noise and Low Vibration
- No restriction for operating in a lower temperature
- Hydraulic lubricated at all times, easily maintained and less parts for repair
- Steels are common with pneumatic breakers
- Lightweight and compact
- All models except BH23K have anti-vibration handles . Whilst the BH23K is supplied with an anti-bouncing feature for user comfort.

Some models can source power from mini excavators

Model No.	BH051V	BH112V	BH161V	BH161VC	BH23K
Overall Length (mm)	428	566	660	660	702
Weight (kg)	8	13	19.3	23.5	26.8
Oil Flow (L/min)	20.5	15-20	18-22	18-22	20.5
Blow Per Minute (bpm)	2700	1450 (15L/min)	1650	1650	1500
Shank Size (Hex)	19 x 50mm	22 x 82mm	25 x 108mm	25 x 108mm	25 x 108

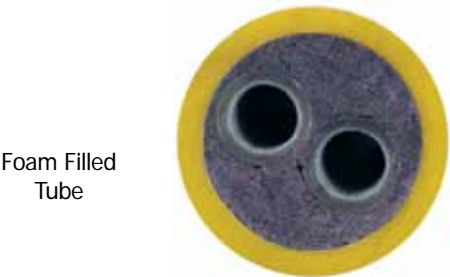
BREAKER BITS & DRIVERS

Image	Item & Details	Suits BH051V	Suits BH112V	Suits BH161V, BH161VC & BH23K
	Hex Shank (mm)	19x50	22x82	25x108
	Moil (Model No.)	13101300	22S0425	0002Z
	Length (mm)	300	470	400
	Moil (Model No.)	-	-	14601510
	Length (mm)	-	-	510
	Flat Chisel (Model No.)	13102300	14002465	14602465
	Length (mm)	300	420	465
	Flat Chisel (Model No.)	-	1720	0006Z
	Length (mm)	-	-	510
	Asphalt Cutter	711202	ZA-005S	0010Z
	Width (mm)	60	75	76
	Length (mm)	260	475	400
	Ground Rod Driver (Model No.)	-	B12783	B22783
	Shank Size (mm)	-	22 x 82	25 x 108
	Ground Rod Size (mm)	-	16.0	16.0
	Weight (kg)	-	2.1	2.2
	Spade Point	-	-	C-1004-01
	Hex Shank (mm)	-	-	25x108
	Length (mm)	-	-	400
	Spade WxL (mm)	-	-	140x180
	Tampor Plate	-	-	ZN-003C-1005
	Hex Shank (mm)	-	-	25x108
	Length (mm)	-	-	280
	Diameter (mm)	-	-	180
	Railroad Spike Driver	-	-	B41851
	Shank Size (mm)	-	-	25x108
	Weight (kg)	-	-	4.3

LONG REACH POLE CHAIN SAWS (MADE IN USA)

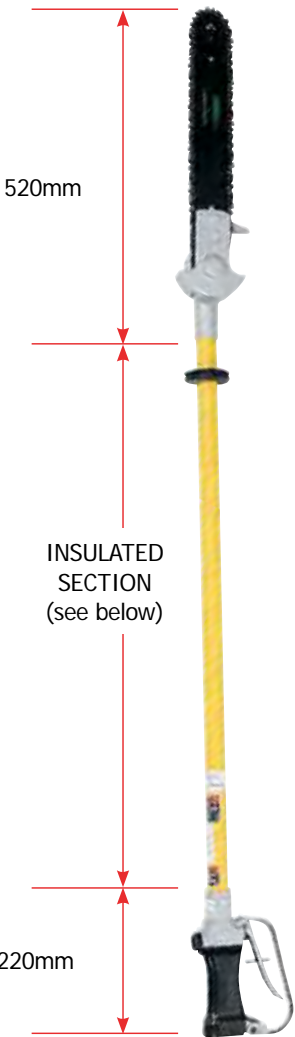
FEATURES

- Cuts hard-to-reach branches from EWP or from the ground.
- Super Spool™ selector control for use on Open- and Closed-Centre hydraulic systems.
- Available in two lengths.
- Insulated fibreglass extension tubes, tested to meet OSHA Regulation 1910.269 with fibreglass tube tested to 100KVA per 300mm for 5 minutes
- Safety features include: two-step trigger, trigger guard, and fully covered sprocket guard.
- Anti-kickback chain and automatic chain oiler.
- Rugged high torque gear motor.
- Internal tube Foam Filled to eliminate moisture ingress.
- Includes flush face couplers "FF"



SPECIFICATIONS

Cutting Capacity	330mm (13")
System	Super Spool™ selector control for use on Open- and Closed-Centre hydraulic systems
Width (mm)	102
Flow Range (lpm)	19-30
Operating Pressure (Bar)	69 - 140
Pressure Port Thread	9/16 - 18 SAE O-Ring
Return Port thread	3/4 - 16 SAE O-Ring



Model No.	Description	Length (m)	Insulated Section Length (m)	Weight (kg)
17140/FF	Foam Filled Long Reach Chain Saw with M & F Flush Face Couplings	1.90 (75")	1.185	4.6
17142/FF	Foam Filled Long Reach Chain Saw with M & F Flush Face Couplings	2.25 (88.5")	1.528	4.9



LOW PRESSURE HOSES, COUPLERS AND ACCESSORIES

FEATURES

The NRP Jones B098 3m twinline non-conductive hose assemblies are specifically manufactured for use with hydraulic tools, including hydraulic impact wrenches, hydraulic chainsaws, low-pressure hydraulic compression tools, hydraulic tampers, hydraulic breakers etc.

These hose assemblies are extremely flexible and will not kink like thermoplastic hoses can. NRP Jones B098 hose assemblies meet or exceed SAE100-R7 standards in relation to impulse testing, static burst pressure and electrical conductivity. Available fitted with male & female flush face hydraulic couplings on both ends of the twinline hose assembly.

Model No.	B098	B098/FF
Length (m) *	3	
Hose ID (mm)	10	
Hose OD (mm)	19	
Rated WP (Bar)	155	
Min Burst (Bar)	620	
Min Bend Radius (mm)	125	
Temp Range (°C)	-40c TO +93c	
Tube	Oil Resistant Nitrile	
Reinforcement	Non-Conductive Textile Braid	
Cover	Orange Oil, Abrasion & Weather Resistant NBR/PVC	
Test Results	75,000 V per 300mm for 3min	
Wt (kg)	2.05	2.65
End Connections	3/8" NPT Male Both Ends	Flush Face Couplings – Male & Female Each End (Male # FF372-6FP & Female # FF371-6FP)

* OTHER LENGTHS SPECIALLY MADE TO ORDER



TWIN LINE BRAIDED HYDRAULIC HOSE WITH STEEL BRAIDING - CONDUCTIVE

Hose construction has an inner tube of oil resistant Nitrile or Neoprene synthetic rubber, a single braid of high tensile steel wire reinforcement and an oil and weather resistant, black, Neoprene or PKR synthetic rubber, MSHA accepted, cover. Application and temperature range is for petroleum based hydraulic fluids and lubricating oils within a temperature range of -40°C to 125°C (Hose to standard SAE 100R1, Type AT). Supplied with Flush Face Couplings, Male & Female Each End (Male # FF372-6FP & Female # FF371-6FP).

Model No.	Length (m) *
421-802-B12NM/FF	2
421-803-B12NM/FF	3
421-805-B12NM/FF	5
421-806-B12NM/FF	6
421-810-B12NM/FF	10
421-815-B12NM/FF	15
421-820-B12NM/FF	20
421-825-B12NM/FF	25
421-830-B12NM/FF	30

**STANDARD
STEEL WIRE
REINFORCED**



Hose has 1/2" NPT fittings and supplied with flush face couplings.

* Other lengths made to order.

REFER TO SF ELECTRICAL CATALOGUE FOR HOSE BAG

HOSE - HIGH PRESSURE



SPECIALISED FORCE OFFER A WIDE RANGE AND LENGTHS OF HIGH & LOW PRESSURE HYDRAULIC HOSE

Please contact you nearest Specialised Force Branch for further information

Model No.	Brand	Type	(Size - Id (mm))		OD (mm)	Working Pressure (Bar)	Working Pressure (Psi)	Temp Range	Weight
HPS-06R"	Durapac	RED	¼	6.6	12.7	700	10,000	-40° to 100°	180g/m
HPS-06B"	Durapac	BLACK	¼	6.6	12.7	700	10,000	-40° to 100°	180g/m
HPS-06T"	Durapac Twin	RED & BLACK	¼	6.0	12.7	700	10,000	-40° to 100°	180g/m
Non Conductive "Tested To 75,000 Volts Per 300mm"									
HP8-403-B38NM-CCN*	Parker 3m	ORANGE	1/4	6.0	15.0	700	10,000	-40° to 100°	160gm
HP8-405-B38NM-CCN*	Parker 5m	ORANGE	1/4	6.0	15.0	700	10,000	-40° to 100°	160gm
B098	NRP Twin	ORANGE	3/8	10.0	19.0	155	2250	-40° to 93°	600g/m

* Fitted with CEJN couplings & dust caps (10-116-1429 & 10-115-6404) suitable for POWAQUIP Model No. BP1108A battery pump

"PARKER" HIGH PRESSURE COUPLINGS

Thread	Type	Screw Type Coupler	
		Female	Male
3/8 NPT	MALE	3050-3	3010-3
DUST CAP TO SUIT SCREW TYPE COUPLERS		3005-3	3009-3

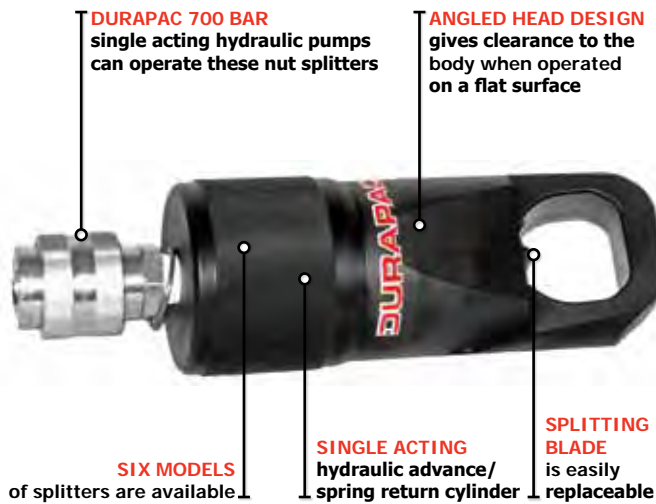
Refer to SF Electrical Catalogue for additional couplings

HYDRAULIC NUT SPLITTER

MODEL NO. DNS SERIES

The Durapac range of Nut Splitters consists of seven models for handling difficult to remove nuts ranging from 10–75 mm A/F capacity. They are a proven performer in the railway for breaking large cast nuts on fish plates. They can also be used for heavy vehicles, mining, steel and industrial applications. DNS-Series Nut Splitters use a single acting hydraulic-advance/spring return cylinder offering between 5-90 tons of force. All models can be driven by a 700 bar lightweight single acting hand pump or power unit. The unique angled-head design gives clearance to the body when operating on a flat surface. They are a compact design capable of splitting nuts up to hardness HRC 44. Each tool is supplied in a heavy duty moulded plastic storage case.

FEATURES

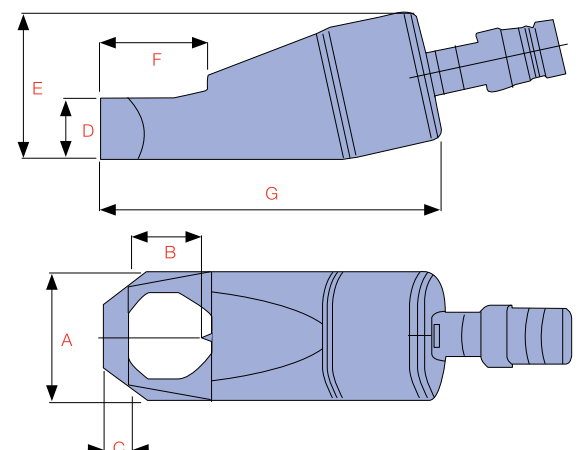


SPECIFICATIONS

Model No.	Bolt Range	Hex Nut Range (mm)	Capacity (ton)	Oil Capacity (cm3)	Dimensions (mm)			Weight (kg)	Spare Blade Model Number
					Length	Width	Height		
DNS-1319	M6-M12	10-19	5	13	170	40	48	1.2	DNS-1319-4
DNS-1924	M12-M16	19-24	10	21	191	54	62	2.0	DNS-1924-4
DNS-2432	M16-M22	24-32	15	58	222	64	72	3.0	DNS-2432-4
DNS-3241	M22-M27	32-41	20	88	244	75	88	4.4	DNS-3241-4
DNS-4150	M27-M33	41-50	35	153	288	94	105	8.2	DNS-4150-4
DNS-5060	M33-M39	50-60	50	233	318	106	128	11.8	DNS-5060-4

Model No.	Dimensions (mm)						
	A	B	C	D	E	F	G
DNS-1319	39.8	20.9	7.0	19.0	49.7	29.0	120.0
DNS-1924	53.8	25.3	10.0	25.0	62.2	40.0	146.0
DNS-2432	64.0	33.6	13.0	30.0	76.5	51.8	181.0
DNS-3241	77.0	42.7	16.0	36.0	87.3	64.9	205.0
DNS-4150	94.0	53.8	21.1	44.7	108.0	76.0	244.0
DNS-5060	106.0	60.8	24.3	54.3	125.3	92.0	289.0

DURAPAC
ENGINEERED FOR RELIABILITY



ROD CUTTER – DROPPER LEAD CUTTER (MADE IN JAPAN)



Ideal for cutting dropper leads in railway applications. Designed to efficiently cut mild steel, low or high carbon steel, link chains, hard alloy or non-ferrous metals rods. Material hardness should be under RC35.



Model No	Capacity (Tonne)	Cutting Capacity @ Tensile Strength (1000N/mm ² {100kgf/mm ² })	Dimensions (mm)		Oil Capacity (cm ³)	Weight (kg)
			A	B		
RC20SW	20	Max. 18 Ø	348	22	73	17.5

The above remote cutting head and crimping heads (such as an EP-431H) can be mounted to a bench for mass production of railway dropper leads.



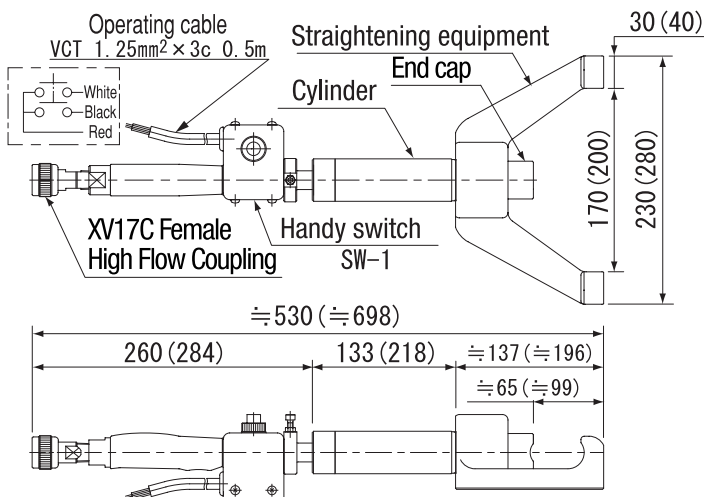
RS SERIES WIRE & ROD STRAIGHTENER AND BENDER, HYDRAULIC (MADE IN JAPAN)

RIKEN

Used for straightening or bending various types of coiled metal such as rod, wire, etc. The "SW" in the part number means units are supplied with a push button switch to operate a solenoid valve or electric motor on/off (dump valve type pump). Optionally a "HV" series is also available with handy 3 way valve). A hydraulic pump is required to operate.



Model No	Output (kN)	Operating Pressure (bar)	Straightening Capacity		Cylinder Used	Straightening Equipment	End Cap	Wt (kg)
			Tensile Strength (500 N/mm ²)	Tensile Strength (1,000 N/mm ²)				
RS4SW	40	700	25 Ø	20 Ø	S04-70	R-403	R-402	5.0
RS10BSW	100	700	36 Ø	28 Ø	S1-120	R-331	R-332	12.0



DIESEL DRIVEN RAILWAY POWER UNITS

THE PDM3054-RAIL DIESEL DRIVEN RAILWAY POWER UNIT IS SUITABLE FOR heavy duty APPLICATIONS IN THE FIELD and can deliver a minimum flow of 2.5 Lpm at 700 bar pressure.

It is specifically designed to operate rail tensors and weld shears commonly used in the railway industry. It features a selector valve to choose which tool to operate and individual directional control valves for each tool. Tools can be single or double acting and each tool may have a different maximum operating pressure.

FEATURES

- MOTOR SIZE - 3.4 kW
- FLOW - 2.5 Lpm
- Maximum Operating Pressure - 700 bar



Model Number	Motor Type	kW	rpm	Flow Rate (Lpm) @ 700 bar	Maximum Pressure Rating (bar)*	Valve Types (3/8"-NPTF Ports)	Usable Oil Capacity (L)	Approx. Dry Weight (kg)	Approx. Dimensions (mm)
PDM3054-RAIL	Diesel	3.4	2,200	2.5	700	Selector Shear** Tension**	50	190	450 W x 750 L x 650 H

* Specify tool working pressure at placement of order.
** Specify single or double acting tools at placement of order.

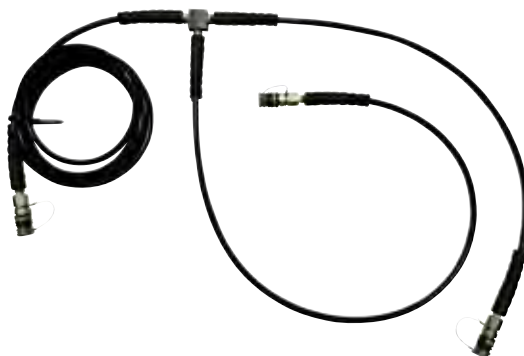
HYDRAULIC RAIL TENSOR HOSES – HIGH PRESSURE

MODEL NO. 0412-5M-GEI SERIES TENSOR HOSE

High pressure high quality hydraulic hose with 4:1 safety factor. Hoses are permanently marked with model number and working pressure - 10,000PSI.

FEATURES

- "CEJN SNAP" models quick release to avoid air locks in line
- "CEJN SNAP" models non-drip and easy to clean couplers



SPECIFICATIONS

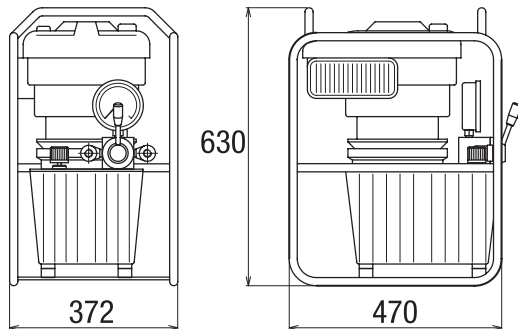
Model No.	Description	Coupler	Length (m)
0412-5M-GEI-SCREW-F	0412 GEISMAR HOSE SET FEMALE RP1A	Screw Parker	5
0412-5M-GEI-SCREW-M	0412 GEISMAR HOSE SET MALE RP1B	Screw Parker	5
0412-5M-GEI-SNAP-F	0412 HOSE SET FEMALE CEJN	CEJN Snap	5
0412-5M-GEI-SNAP-M	0412 HOSE SET MALE CEJN	CEJN Snap	5

Refer to the next page for powered pump or contact us for a manual hand pump

MODEL NO. PPM2014 HYDRAULIC HIGH PRESSURE PETROL PUMP

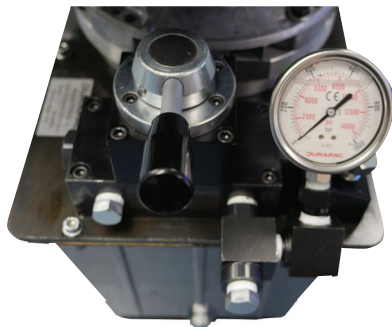
DURAPAC

This powerful 4 stroke high pressure hydraulic pump is equipped with a protection cage that makes it easier to move and lift, protecting it in construction sites. With a large 10 litre aluminium reservoir it is capable of use with a wide range of equipment. Reduced maintenance and designed to last.



FEATURES

- Powerful Honda GXV 2.6 KW 4 stroke petrol engine
- Aluminium 10 litre oil reservoir
- Rugged tubular protection cage
- 4 way 3 position double acting manual directional valve with internal check valve
- Fast 4.5 litre minute first stage oil flow and 1.8 litre minute at 700 bar (10,000PSI)



Model No	Motor Type/ Brand	Hyd Pressure (bar)	Hyd Reservoir Capacity (L)	Motor Fuel	Motor Power (kW/HP)	RPM	Dimensions Outside Frame (mm) LxWxH	Weight inc oil & frame (kg)
PPM2014	4-Stroke / Honda	700 (10,000PSI)	10	Petrol	2.6 / 3.5	3,000	470x372x630	47

Optional Accessories - PG63 Pressure Gauge, 199422500 Rubber Gauge Protector & FGA18 Gauge Adaptor



BATTERY HYDRAULIC PUMPS




IZUMI

intercable

DURAPAC

MODEL NO. VARIOUS

A selection of quality high pressure hydraulic battery powered pumps, each with its own unique features and benefits.

Picture			
Model No	BP114	CP700EC(BB)	REC-P1(BB)
Features	Lightweight Powerful & Fast Advanced Electronics Internal Battery	Lightweight Advanced Electronics	Durable & Robust Izumi Dual Battery
Details	Battery Save Mode : switches off after 10 minutes last cycle Dual Function Switch : dump or hold	Adjustable Retraction Mode: increases battery life	Large Hydraulic Tank: one litre capacity Heavy Duty Workhorse: steel tank and body
Pressure (bar)	700 (850)	700	700
Useable Oil (L)	0.75	0.75	1.00
Control	Corded Pendant 3.0m	Corded Pendant 1.5m	
Power	Internal 25.4VDC Battery 6.0Ah Lithium-Ion	Removable Milwaukee 18VDC Battery 4.0Ah Lithium-Ion	2 x Removable Izumi 14.4VDC Battery 3.0Ah (28.8VDC) Lithium-Ion
Recharge	230VAC Power Cord Included – Works from Mains Power	230VAC Battery Charging Base Included	230VAC & 12/24VDC Battery Charging Base Included
Accessories Included	230VAC Cord Hand Pendant Control Shoulder Strap	1.5m Non-Conductive Hose 2 Batteries 230VAC Charging Base Hand Pendant Control Carry Bag	2 Batteries AC/DC Charging Base Hand Pendant Control
Standard Coupling	CEJN Snap Female	CEJN Snap Female	Parker Screw Female
Dimensions LxWxH (mm)	250 x 165 x 250	205 x 290 x 190	250 x 175 x 380
Weight Inc Battery (kg)	7.5	4.6	15.9











Refer to pages 100 & 105 for hoses and 194–195 for remote heads

HIGH PRESSURE HYDRAULIC ELECTRIC PUMPS

MODEL NO. VARIOUS

A selection of quality high pressure hydraulic electric pumps, each with its own unique features and benefits.


Picture	   			
				
Model No.	SMP-30AR-329C	DSP-120	SPES3502AR	R14EF1(CE)
Features	<ul style="list-style-type: none"> - Durable with Aluminium Tank - "Dead-Man" Switch - Adjustable External Pressure Switch 	<ul style="list-style-type: none"> - Compact Heavy Duty Design - Solenoid Operated Pressure Hold/Retract - Ideal for Bending - Inching Function 	<ul style="list-style-type: none"> - Lightweight Auto-Retract (pop-off internal valve) - Internal Bladder Allows Angled Use 	<ul style="list-style-type: none"> - Robust Design - Retract Any Time
Pressure (bar)	700	700	700	700
Tank Size (L)	2.0	1.2	2.0	2.0
Control (All LV Stepped Down)	3m Hand Pendant	1.8m Hand Pendant	2.5m Hand Pendant	3m Hand Pendant
Power	230VAC	230VAC	230VAC	230VAC
Accessories Included	3m Hand Pendant	1.8m Hand Pendant	2.5m Hand Pendant	3m Hand Pendant
Optional Accessories	<ul style="list-style-type: none"> - SMP-40AR-67B More Powerful & Bigger Tank Version - Roll Frame - Foot Switch SF1 - Load Holding Version SCH-13B Check Valve & Bypass 	<ul style="list-style-type: none"> - Foot Switch SFVA-1-2 	<ul style="list-style-type: none"> - Optional Solenoid Configurations (contact us for more information) 	- N/A
Dimensions LxWxH (mm)	200 x 170 x 393	265 x 145 x 275	400 x 140 x 140	250 x 160 x 355
Weight (kg)	14.5	7.5	8.4	16.5



Refer to pages 100 & 105 for hoses and 194-195 for remote heads

ELECTRICAL

CATALOGUE

- Cable Crimping
 - Cable Cutting
 - Hydraulic Tools & Accessories
 - Winches
 - Underground Cable Pulling
 - Overhead Construction & Stringing Equipment
 - Dynamometers & Load Cells
 - Linesman Tooling & Assorted Equipment
 - Cable Preparation
 - Hole Making & Bending
 - Safety & Lighting
- 



CONTACT SPECIALISED FORCE FOR YOUR HARD COPY



HYDRAULIC LOW PRESSURE PUMPS (MADE IN JAPAN)



MODEL NO. UH SERIES

Low pressure petrol hydraulic pumps for the operation of hydraulic tools and equipment.

FEATURES

- Reliable quality brand petrol driven engines
- Compact design with folding handle and pneumatic wheels for easy manoeuvrability
- Extensive range of tools available to suit
- Equipped with oil cooler which allows continuous use in hotter climates
- Fitted with standard low pressure male & female flush face hydraulic couplings
- UH130 three setting oil flow (20-25-30L/min)
- Single tool operation



SPECIFICATIONS

Model No.	Engine (kW)	Start	Max Pressure (bar/PSI)	Max. Oil Flow (L/min)	Oil Capacity (L)	Overall Dimensions LxWxH (mm)	Wt (kg)
UH070	Subaru 4.2	Recoil (Pull)	117 / 1,700	20.5	4.0	615 x 480 x 577	40
UH130-ELECTRIC START*	Honda GX390/ Robin EX40 9.7	Electric	137 / 2,000	20.0-25.0-30.0	8.0	800 x 590 x 750	102

* Recoil start available upon request

Refer page 99 for hydraulic hose details

FEATURES

- Engine petrol driven hydraulic power source
- Compact design
- Extensive range of tools available to suit
- Equipped with oil cooler which allows constant use even in hot climates
- Folding handle + pneumatic wheels for easy maneuverability
- Fitted with male & female flush face hydraulic couplings

SPECIFICATIONS

Model No.	UH070
Overall Dimension (mm)	615L x 480W x 577H
Weight (kg)	40
Engine	SUBARU 4.2kW/5.6HP
Maximum Pressure (Bar)	(1,670 PSI)
Max Oil Flow (l/min)	20.5
Oil Capacity (L)	4
Starter	Recoil (Pull start)

FEATURES

- Air Cooled Oil Cooler
- Fitted With Male & Female Flush Face Couplers
- Flip Handle and Pneumatic Wheels for Easy Transportation
- Compact and Reliable
- Large Range of Compatible Tools Available
- Maruzen 30L/min Pump with Subaru
- Electric start

SPECIFICATIONS

Model No.	UH130
Dimensions (mm)	800L x 608W x 650H
Weight (kg) Dry	95
Maximum Working Pressure (Bar)	137 (2,000 PSI)
Oil Flow (L/min)	20-25-30 (3 settings)
Engine Type	Subaru EX40
Oil Capacity (L)	8 litre
Starter	Electric Start

Refer page 99 for low pressure hoses to suit

LOW PRESSURE PETROL OR DIESEL HYDRAULIC PUMPS (MADE IN DENMARK)



HPP13FLEX*

The bestseller in our FLEXLINE-series of powerpacks. Used mainly for contractors, rental, utilities, supply companies, etc. With its infinitely variable flow adjustment from 0-30lpm. This unit can be used for many tools. The perfect power source for high performance tools like breakers, cut-off saws, core drills, submersible pumps, ring saws and diamond chain saws. Compact, low weight and easily transported in a vehicle. Includes integrated oil alert on engine oil level.



HPP13D*

HYCON HPP13D is a medium sized hydraulic diesel powerpack made for demanding users. This powerpack gives you absolute maximum power to operate tools like breakers, submersible pumps, cut-off saws, drilling tools, core drills, impact wrenches and many other tools. Easily transported in a vehicle. ON-OFF valve for easy change of tool. Extremely easy to service - direct access to all parts. Oil level eye. Few wearing parts/all run in oil/low cost. Very strong and sturdy steel frame. High quality diesel engine. Both recoil and electric start.



HPP24MULTIFLOW

Offers a single 40 litre/minute circuit or two 20 litre minute circuits capable of operating two lower flow requirement tools. If the 40 litre circuit is selected the two 20 litre circuits cannot be used. A simple selector switch selects either circuit option. M&F flush face hydraulic couplings are fitted to all three output circuits. ON-OFF valve for easy change of tool. Extremely easy to service - direct access to all parts. Oil level eye. Few wearing parts/all run in oil/low cost. Very strong and sturdy steel frame. High quality diesel engine.



Features for HPP13FLEX only

HYCON powerpacks are designed for professional users who expect maximum operating time, low service cost and durability. Professional users expect machines to work when they need them. The concept of HYCON powerpacks is to offer high performance, compact, low weight packs and with a minimum of wearing parts. The heart of HYCON packs is the ring cooler that enables us to design a pack where all moving parts are mounted directly on the engine shaft. This way the pump achieves 100% alignment which ensures the low wearing cost and the long lifetime of our packs. Our ring cooler secures optimum cooling in all conditions and does not get clogged up by dirt etc and can be cleaned by high pressure washers. Also all coupling parts are protected inside a housing ensuring maximum lifetime. **A HYCON powerpack you can rely on.**

SPECIFICATIONS

Model No.	Starter	Fuel Type	Power		Output & Flow		Pressure Max	Weight
	Engine Brand		(kW)	HP	Dual Ports	L/pm	(bar)	(kg)
HPP13FLEX	Manual/Recoil	Petrol	9.7	13	1	20-30	138	81
	Honda					Adjustable		
HPP13D	Manual/Recoil & Electric	Diesel	8.2	11	1	20-30	140	114
	Lombardini					Adjustable		
HPP24MULTIFLOW	Electric	Diesel	17.9	24	2	20-40	160	220

* C/W Manual Adjustment Lever to select oil flow 20 or 30 L/pm

HYDRAULIC RATCHET WRENCH (MADE IN USA)

MODEL NO. 20-000230-DP

For Loosening, Tightening, and Torqueing Main Bearing Nuts on EMD 567 and 645 Diesel Engines.

This heavy duty wrench with safe and controllable hydraulic power will reduce your time and effort in servicing main bearings. Savings in locomotive out-of-service time will quickly repay your investment.

The Model 2000 Hydraulic Ratchet Wrench features adjustable torque range. The smooth hydraulic force eliminates impact or shock loads. This allows for precision torqueing of each nut to prevent uneven "A-Frame" stress. The Wrench is equipped with push buttons built into the wrench body for direct control.

FEATURES

- Hydraulic Ratchet Wrench
- Hydraulic Power Unit 0.84kW (1 1/8HP) Electrically Driven 700Bar (10,000PSI), complete with 2 selectable pressure switches, pressure regulator and factory sealed pressure relief valve
- 7.6m Hydraulic and Electrical supply lines
- 3 sockets
- Crankcase Safety Saddle
- An Air Motor, Air Hose, and 3/8" Drive Socket
- All mounted on a pneumatic tired cart for ease of mobility



SPECIFICATIONS

Model No.	Hydraulic (Bar)	Electric (VAC)	Torque Range (Nm)	Cable Length (m)	Motor (kW)
20-000230DP	700	230/50	270-1220	7.6m	0.84

HYDRAULIC RATCHET WRENCH (MADE IN USA)

MODEL NO. 28-000230DP

For Loosening, Tightening, and Torqueing Main Bearing Nuts on EMD 567 and 645 and 710 Diesel Engines

This heavy duty wrench with safe and controllable hydraulic power will reduce your time and effort in servicing main bearings. Savings in locomotive out-of-service time will quickly repay your investment.

The Model 28 Hydraulic Ratchet Wrench features adjustable torque range. The smooth hydraulic force eliminates impact or shock loads. This allows for precision torqueing of each nut to prevent uneven "A-Frame" stress. The Wrench is equipped with an adjustable handle and push buttons built into the wrench body for direct control.

FEATURES

- Hydraulic Ratchet Wrench
- Hydraulic Power Unit 0.84kW (1 1/8HP) Electrically Driven 700Bar (10,000PSI), complete with 2 selectable pressure switches, pressure gauge, pressure regulator and factory-sealed pressure relief valve
- 7.6m Hydraulic and Electrical supply lines
- 4 sockets
- 2 styles of Crankcase Safety Saddles
- An Air Motor, Air Hose, and 3/8" Drive Socket
- All mounted on a rubber tired cart for ease of mobility



SPECIFICATIONS

Model No.	Hydraulic (Bar)	Electric (VAC)	Torque Range (Nm)	Cable Length (m)	Motor (kW)
28-000230DP	700	230/50	270-1220	7.6m	0.84



HYDRAULIC PUSH OVER MACHINE (MADE IN USA)

MODEL NO. 43-000230

For Barring-Over All EMD Locomotive Engines Equipped with Jacking Pads

The new, improved Model 43 is the “no-sweat” way to bar-over your EMD engines, reduce your labor requirements and speed up engine inspection and repair. Piston, Ring, and Liner inspections can be made quickly and easily by one man.

The Model 43 is a state-of-the-art electronically controlled hydraulic system designed for high durability and ease of maintenance. The hydraulic manifold has “quick change” ability incorporated. The plug-in style electrical connectors and the screw-in style hydraulic components make the Model 43 maintenance friendly.

FEATURES

- 1.12kW (1.5HP) 137Bar (2,000PSI) Power Unit with 230VAC single phase motor
- Push-Over Power Head with 9m Supply Lines
- Electrical Control Panel
- Control Pendant attached to Power Unit by 9m Control Cable
- All mounted on pneumatic tired cart for ease of mobility

SPECIFICATIONS

Model No.	Hydraulic (Bar)	Electric (VAC)	Cable Length (m)	Motor (kW/HP)
43-000230	700	230/50	9.0	1.12/1.5

HYDRAULIC RATCHET WRENCH (MADE IN USA)

MODEL NO. 60-000230DP

For Loosening, Tightening, and Torqueing Crab Nuts on EMD 567 and 645 and 710 Diesel Engines

This heavy-duty wrench allows for smooth and accurate torque with a range of up to 4750Nm and maximum breakaway of 5-52Nm. Three torque settings available are factory at 1220, 2440 & 3250Nm. The mechanic controls the torque by push-button and does not have to maintain visual contact with the gauges to monitor stroke or output. The wrench cycles continuously until the selected torque is reached. At this point the unit shuts off automatically notifying the user that the crab nut is torqued.

FEATURES

- Hydraulic Ratchet Wrench
- 0.84kW (1-1/8HP) Electrically Driven 700Bar (10,000PSI) Hydraulic Power unit
- Industrial Controls
- 18.9L reservoir
- 3 Selectable Pressure Switches
- Pressure Gauge
- Pressure Regulator
- Factory Sealed
- Pressure Relief Valve
- 7.6m Hydraulic & Electric Supply Lines with Pendant Control
- 2 Socket Torque Fixtures
- All Mounted on a Pneumatic tyred Cart for Ease of Mobility

SPECIFICATIONS

Model No.	Hydraulic (Bar)	Torque Range (Nm)	Electric (VAC)	Cable Length (m)	Motor (kW)
60-000230DP	700	4750 (Max. Breakaway 5-52)	230/50	7.6m	0.84





COMBINATION HYDRAULIC CRAB NUT/MAIN BEARING RATCHET WRENCH (MADE IN USA)

MODEL NO. 60-20-COMBO-230

Model 60/20 Combination Crab Nut/Main Bearing For Loosening, Tightening, and Torqueing Crab Nuts and Main Bearings on EMD Engines.

The Model 60/20 is an economical and space-saving way to torque main bearings and crab nuts. This unit utilises one hydraulic power unit for use with either of the two wrench heads. The quick disconnects on both the hydraulic and electrical systems make a quick changeover between wrench heads quick and easy. Three selectable pressure settings set at 1220, 2440 & 3250Nm for the crab nut wrench and when interchanged with the main bearing wrench, the ratio difference self adjusts so that the torque is 470 & 1000Nm. These pressure control switches are completely adjustable to meet your requirements. The entire unit is mounted on a 2-wheel pneumatic tired cart, allowing the whole unit to be easily moved from unit to unit.

FEATURES

Complete Unit Consists of:

Model 2000 Main Bearing Wrench Head with:

- 7.6m Hydraulic and Electrical Supply Lines with Quick Disconnects
- 3 Sockets
- Crankcase Safety Saddle
- Air Ratchet, 7.6m Air Line and 3/8" Drive Socket

Model 60 Crab Nut Wrench Head with:

- 7.6m Hydraulic and Electric Supply Lines with Pendant Control
- 2 Socket Torque Fixtures

Electrically Driven 0.84kW (1 1/8 HP), 700Bar (10,000 PSI) Hydraulic Power Unit with:

- 18.9L Reservoir
- Electrical and Hydraulic Quick Disconnects
- 3 Selectable Torque Settings
- Pressure Gauge, Pressure Regulator, and Factory Sealed Pressure Relief Valve
- Mobile Storage Cart



SPECIFICATIONS

Model No.	Hydraulic (Bar)	Electric (VAC)	Cable Length (m)	Motor (kW)
60-20-COMBO-230	700	230/50	7.6	0.84

HYDRAULIC RATCHET WRENCH (MADE IN USA)

MODEL NO. 28-000230DP

For Traction Motor Suspension Bearing Bolts Removal or Installation on EMD or GE Engines

The Model 70 Hydraulic Ratchet Wrench is a safe and efficient wrench for Traction Motor Suspension Bearing Bolts that reduces time and effort. Savings in labor and locomotive downtime will quickly repay your investment.

This Wrench offers smooth, controllable hydraulic power that prevents impact or shock loads, Multiple Torque Settings with a torque range of 270-2160Nm, and precise and repeatable torques to insure even and accurate tightening of bearings.

FEATURES

- Hydraulic Ratchet Wrench
- Hydraulic Power Unit –0.84kW (1 1/8HP) Electrically Driven 700Bar (10,000PSI) Power Unit, complete with controls, pressure gauge, pressure regulator, and factory sealed pressure relief valve
- 7.6m hydraulic hose and control cable
- Sockets and swing torque arm for EMD or GE traction motor bearings
- All mounted on a rubber tyred cart for ease of mobility

SPECIFICATIONS

Model No.	Hydraulic (Bar)	Electric (VAC)	Torque Range (kN)	Cable Length (m)	Motor (kW)
28-000230DP	700	230/50	0.27-2.16	7.6m	0.84

CRAB NUT HYDRAULIC RATCHET WRENCH (MADE IN USA)

MODEL NO. 600-230

Works on all 567, 645 & 710 EMD Diesel Engines

Now the mechanic has one unified wrench to handle all Crab Nuts – even the hard to fit end spots of the top deck. Once the wrench is applied the operator simply selects the torque required and holds the tighten or loosen button. The integrated computer will control torque and automatically stop on the completion allowing the operator to move to the next location.

FEATURES

- Compact Design with 20% more available power
- Hydraulic Ratchet Wrench
- 0.84kW (1-1/8HP) Electrically Driven 700Bar (10,000PSI) Hydraulic Power unit
- Industrial Controls
- 18.9L reservoir
- 3 Selectable Preset Adjustable Torque Settings (3250, 2440 & 1220Nm)
- 7.6m Hydraulic & Electric Supply Lines with Pendant Control
- Pressure Regulator, Gauge, Factory Seal Pressure Relief Valve

SPECIFICATIONS

Model No.	Hydraulic (Bar)	Electric (VAC)	Cable Length (m)	Motor (kW)
600-230	700	230/50	7.6	0.84 (1-1/8HP)



100 TON RAILROAD AXLE JOURNAL ROLLER BEARING PUSH/PULLER

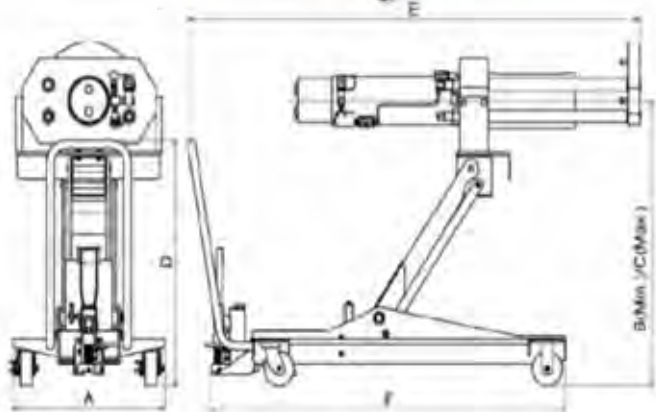
DURAPAC
 ENGINEERED FOR RELIABILITY

FEATURES

- Remove or install railroad axle journal tapered roller bearings easily and efficiently
- Specifically designed for use with major bearing brands
- Portable design for convenient positioning and storage
- Accessory sets available for all common bearing classes
- Supplied with 230VAC electric pump

SPECIFICATIONS

Model No.	DRP-100E
Stroke (mm)	392
Capacity (Ton) Pull	100
Capacity (Ton) Push	68
A (mm)	652
B (mm)	370
C (mm)	1047
D (mm)	900
E (mm)	1940-2209
F (mm)	1530
Weight (kg)	455



CLASS & SIZE OF BEARING ASSEMBLY - TBU & SP "METRIC ACCESSORIES"

Accessory Description	120	130	140	150
Pulling Shoe Insert Adaptor	*	*	*	*
Guide Tube & Cap Screw Assembly	*	*	*	*
Cap Screw	**	**	**	**
Guide Tube Adapter	*	*	*	*
Installing Tube Adapter Ring	*	*	*	*

CLASS & SIZE OF BEARING ASSEMBLY TO BE SERVICED

Accessory Description	Class	B	C	D	E	EE	EE	F	G	G	GG
	Size (mm)	108x203	127x229	140x254	152x279	140 Axle	152 Axle	165x305	178x305	165 Axle	165 Axle
Pulling Shoe		Included as part of basic machine – do not order							*	*	*
Pulling Shoe Insert Adaptor	*	*	*	*	*	*	*	*	*	*	*
Guide Tube & Cap Screw Assembly	*	*	*	*	*	*	*	*	*	*	*
Cap Screw**	*	*	*	*	*	*	*	*	*	*	*
Guide Tube Adapter	*	*	*	*	*	*	*	*	*	*	*
Installing Tube		Included as part of basic machine – do not order							*	*	*
Installing Tube Adapter Ring	*	*	*	*	*	*	*	*	*	*	*

* Included in standard accessory kit.

**Screws are supplied with the guide tube and should be ordered as replacements only.

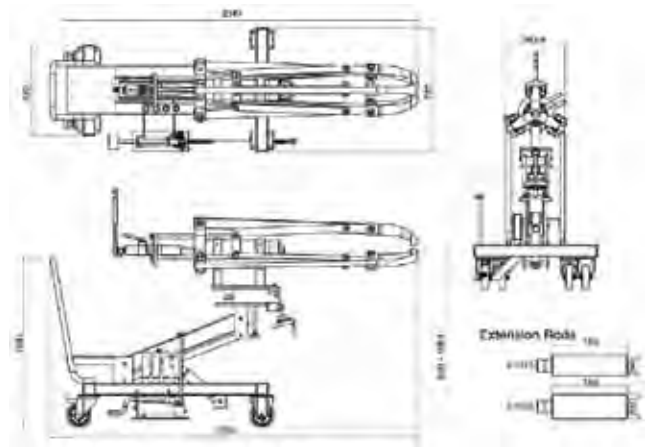
50 TON HYDRAULIC PULLER

FEATURES

- Foot-operated hydraulic lifting system
- Flow metering system provides constant lowering speed
- Double-acting hydraulic system for holding, opening & closing jaws provides safe and secure grip at all times
- Self-centring design keeps puller jaws clamped evenly on the work piece
- Easy jaw head adjusting system prevents puller jaws from sliding
- Puller can be assembled in 2 or 3 jaw configuration
- Castors provide easy cart movement
- Includes 230VAC electric pump & three extensions

SPECIFICATIONS

Model No.	DHP-50
Stroke (mm)	330
Capacity (Ton)	50
Max Spread (mm)	1250
Max Reach (mm)	900
Weight (kg)	391



100 TON HYDRAULIC PULLER

FEATURES

- Flow metering system provides constant lowering speed
- Double-acting hydraulic system for holding, opening & closing jaws; provides safe and secure grip at all times
- Single-acting, spring return, 100 Ton capacity cylinder
- Self-centring design keeps puller jaws clamped evenly on the work piece
- Easy jaw head adjusting system prevents puller jaws from sliding
- Puller can be assembled in 2 or 3 jaw configuration
- Puller can be adjusted 5 degrees up or down of puller centreline for precise positioning
- Castors provide easy cart movement
- Includes electric pump – 230VAC single phase or 380VAC three phase options & four extensions

Model No.	DHP-100
Stroke (mm)	270
Capacity (Ton)	100
Min Spread (mm)	300
Max Spread (mm)	1500
Reach at Min Spread (mm)	1047
Reach at Max Spread (mm)	900
Weight (kg)	1083

