

HUNTON

PUNCH AND DIE GRINDER

General Description

The portable Hunton Punch and Die Grinder makes it easy for punch operators and shop supervisors to maintain sharp cutting edges on the larger punches and dies.

It is also extremely valuable for surface grinding of small Components and work pieces in general engineering applications.

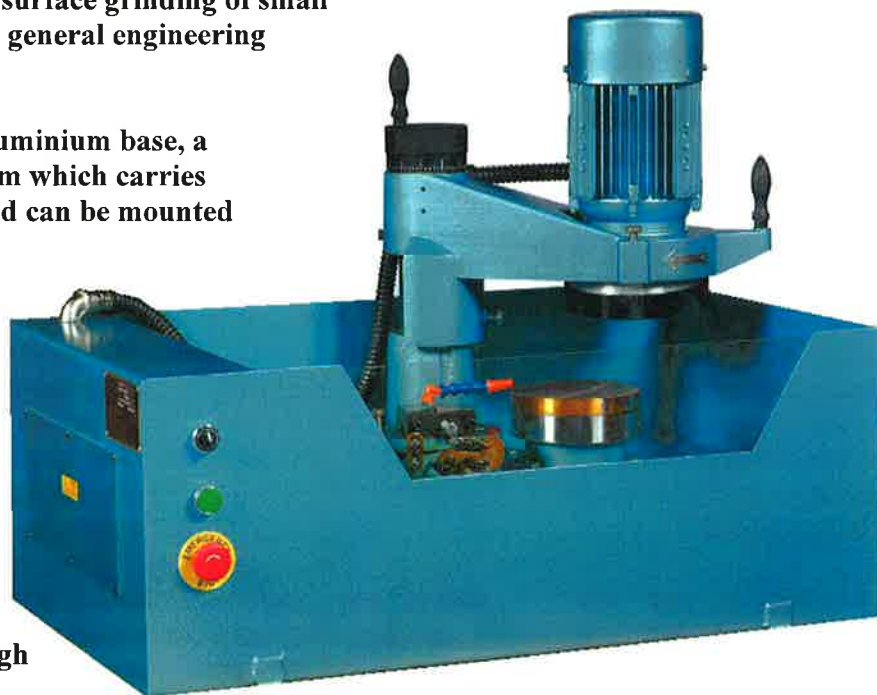
The grinder comprises a cast aluminium base, a support column, and a swing arm which carries the grinding wheel assembly, and can be mounted in a coolant tray.

The base carries a 3- jaw chuck, fitted with standard and reversible jaws, and a magnetic chuck.

These enable a wide variety of punches and dies to be held securely.

The support column carrying
The swing arm is mounted in high
quality pre-lubricated bearings.
The column is shielded to exclude grinding dust.
The shield also acts as a radial stop to limit the
travel of the swing arm so that the machine does -
not topple over when it is not bolted down.

The cup grinding wheel is driven by a 1 HP electric motor and is fed smoothly on to the work piece by means of a hand wheel which is graduated in thousandths of an inch (0.001"). The grinder is fitted with a straight cut wheel suitable for grinding hardened steel. Replacement grinding wheels can be supplied from stock.



MJALLEN

GROUP OF COMPANIES

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WARNING



PRIOR TO USING ANY MACHINE ENSURE THE OPERATOR IS:

- 1. INSTRUCTED IN SAFE AND PROPER USE OF THE MACHINE**
- 2. REVIEWS AND UNDERSTANDS THE MANUAL PERTAINING TO THE MACHINE**

**IT IS THE USERS RESPONSIBILITY TO UNDERSTAND AND FOLLOW THE
MANUFACTURERS INSTRUCTIONS ON MACHINE OPERATION AND
MAINTENANCE.**

WARNING

Improper operation of this machine may cause personal injury or damage to the machine.

You must never disconnect or remove any safety device or operate any machine where the safety devices have been removed. Do not operate equipment without all guards in place.

Do not overload equipment beyond its stated or implied capacity.

Always keep the work area clear of obstructions and the floor clear and dry.

Never use stools, crates or similar items as substitutes for work platforms.

Do not operate any equipment which has loose, worn or broken parts.

Do not wear loose clothing, jewelry and always tie long hair back which may be caught in moving parts.

The operator must at all times have other personnel within their field of vision.

Keep liquids away from electrical equipment.

Always keep the exposed area of the wheel to a minimum by correct adjustment of the guard.

The single phase motor should not be allowed to run at no-load for long periods as this can cause premature wear of the internal windings.

Use recommended coolant only. Plain water is not suitable as a coolant and can cause early corrosion of the unit.

After changing the wheel ensure the wheel has been tightened correctly before operating.



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DANGER

Never check dimensions of work piece while equipment is running.

This machine must not be used in a potentially explosive atmosphere as sparks are produced when grinding.

Ensure the machine is switched off and that the grinding wheel has stopped before attempting to change the wheel.

NOISE LEVELS

TEST CARRIED OUT IN WORKSHOP CONDITIONS.

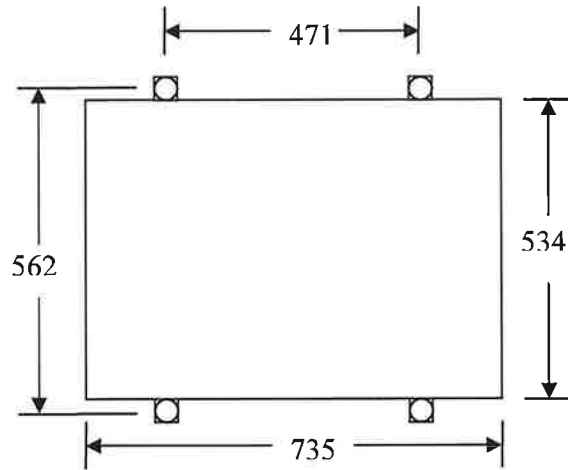
NOISE LEVEL NOT UNDER LOAD _____ db

**NOISE LEVEL UNDER LOAD _____ db
(GRINDING A 13mm DIE)**

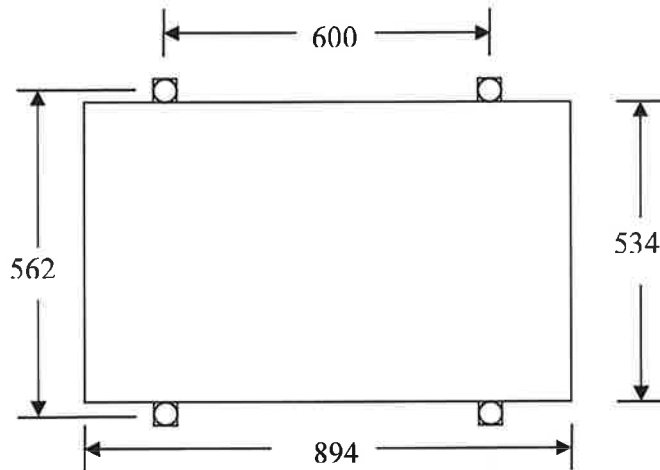
INSTALLATION PROCEDURES

The machine must be bolted down firmly to a sound and level bench.

If supplied with a stand, this should be bolted down to a sound and level floor.



**Standard Mounting /
Bolting Down Holes**



**Major Mounting /
Bolting Down Holes**

To achieve best results, we suggest the machine should be mounted on a firm flat surface. When the machine has been connected to the power supply by a competent electrician, and the transit screws have been removed the grinder is ready to operate. 3 phase models should be connected to an isolation switch on the wall.

POWER SUPPLY

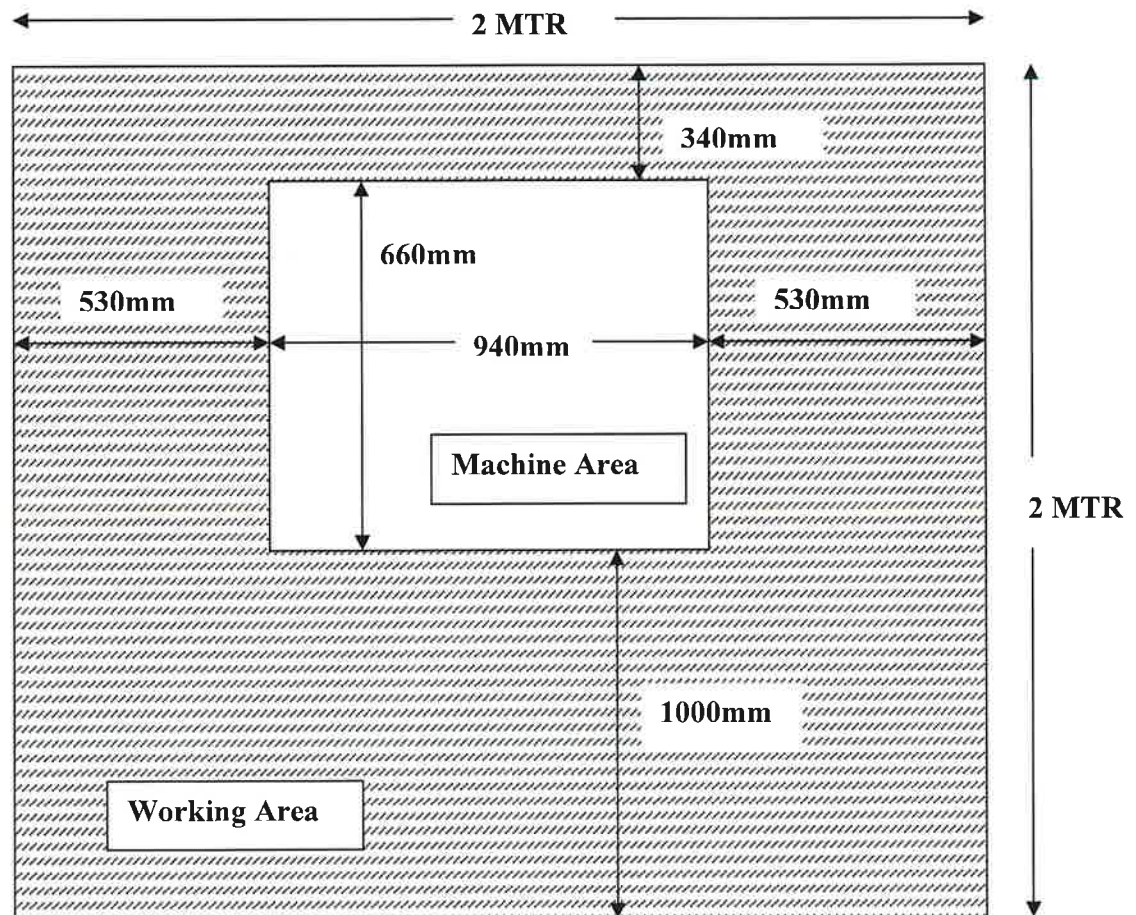
3PH x 380/420v 50Hz

1PH x 230v 50Hz

A fuse isolator box (fuse size 10amp) must be supplied as close as possible to the machine.
Fixed or flexible conduit must be used between isolator and machine.

**ALL ELECTRICAL WORK MUST BE CARRIED
OUT BY A COMPETANT ELECTRICIAN**

MACHINE WORKING AREA



WHEEL DRESSING INSTRUCTIONS

The grinding wheel supplied with the machine has been chosen for its fast metal removal rate, combined with cool cutting and good surface finish. To achieve cool cutting and good surface finish the wheel must be initially and periodically “Dressed” using the dressing stick provided.



SAFETY GLASSES MUST BE WORN AT ALL TIMES

When mounting a new wheel, it must be dressed to take out any unevenness of the wheel. This is done with the dressing stick held firmly in the three jaw chuck. In some cases it is an advantage after the initial dressing to relieve the wheel as shown in the diagrams below. This will minimize the contact area.

The wheel must be dressed away at an angle to leave a sharp outer edge. Hold the dressing stick firmly in both hands at an angle of 10 to 15 deg along its length and width. Rub the stick against the wheel in a backwards and forwards motion using reasonable firm pressure until the required shape is achieved.

Do not allow the stick to bounce against the grinding wheel.

After initial dressing of the wheel it will require a periodical “touch up” to maintain a good cut and surface finish.

Fig. A

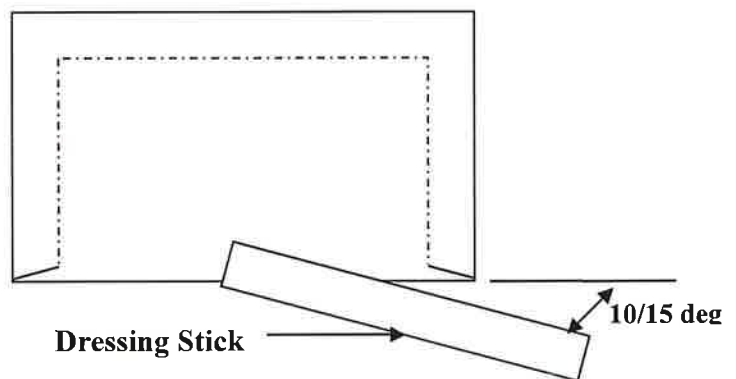
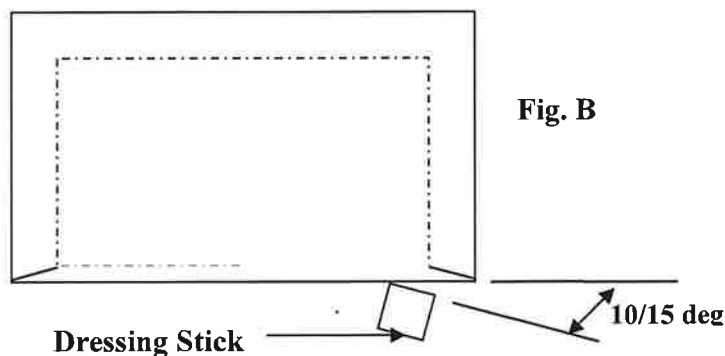


Fig. B



OPERATING INSTRUCTIONS.

Check that the wheel guard is in the correct position so that approximately 2mm of the wheel is showing beneath the guard. The guard is adjusted via 2 knurled screws, one on each side of the motor on top of the arm.

Dress the grinding wheel as per previous instructions on page 6

To achieve a sharp edge on your die or work piece, place die on centre of magnetic chuck. Switch on the magnetic chuck by moving the handle clockwise to the far right. Check that the die is firmly held by the magnet. Punches and larger dies can be held in the 3 jaw chuck or vice if fitted.

To commence grinding, make sure you have clearance between the grinding wheel and the work piece. Wind down the grinding wheel, by means of the hand wheel, which is graduated in thousandths of an inch, so that it is nearly touching the work piece.

Switch on the power, then by swinging the head of the grinder radially from right to left and index down until the wheel touches the work piece. Ensure that each sweep of the wheel covers the whole area of the surface to be ground.

Grind the surface until only light contact is made then index down about one graduation on the index wheel, repeating the process until the work piece has a sharp edge or a flat surface. The larger the surface area, the more grinding out will be required. Do not take large, heavy cuts, or a flat surface will not be achieved



**SAFETY GLASSES MUST BE
WORN AT ALL TIMES**

Maintenance.

The machine will give many years of trouble free use, providing that it is kept clean and lubricated with grease and oil in the nipples provided at the rear of the grinder. To change the grinding wheel ensure that the machine is switched off and isolated. Hold the wheel firmly and with the box spanner provided undo the retaining screw and face plate. Remove the old wheel and replace with new wheel. Make sure the retaining screw is firmly tightened and that the guard is reset.

Before use, dress the wheel as per previous instructions.

	Part no	Standard	Major	Major MGT
Motor 3 Phase 240-380/415-460 Volts		✓	✓	✓
Motor Single Phase 220/240 Volts		Optional	Optional	Optional
Alternative Motors for Export		Optional	Optional	Optional
Motor Power (Single Phase or 3 Phase)		0.75 KW 1HP	0.75 KW 1HP	0.75 KW 1HP
Motor Speed		2850 RPM	2850 RPM	2850 RPM
Grinding Cup Wheel 3SG54 EVSP 160x50x31.75 (Blue)	GRI/M036	X	✓	✓
Grinding Cup Wheel 38A46 FVBEP 125x50x31.75 (White)	GRI/036	✓	X	X
Grinding Cup Wheel 3SG54 EVSP 125x50x31.75 (Blue)	GRI/036A	Optional	X	X
Diamond Dressing Stick	GRI/050	✓	✓	✓
Carborundum Dressing Stick	GRI/051	✓	✓	✓
Shear Grinding Attachment MK3		Optional	Optional	✓
3 Jaw Chuck 5" (125mm)	GRI/007	✓	X	X
3 Jaw Chuck 6" (160mm)	GRI/M007	X	✓	X
4" Mag Chuck (100mm)	GRI/003	✓	✓	X
6" Mag Chuck (160mm)	GRI/MGT003	X	X	✓
3 Jaw Chuck Key		✓	✓	✓
Magnetic Chuck Key	GRI/003A	✓	✓	✓
13mm Box Spanner		✓	✓	✓
Coolant Pump	GRI/054	SI 40	SI 40	SI 40

Maximum Clearance under wheel	100mm	110mm	110mm
Distance Centre Column to Wheel Axis	250mm	250mm	250mm
Height to Top of Motor (3 Phase)	630mm	630mm	630mm
Height to Top of Motor (single phase)	680mm	680mm	680mm
Width of Machined Base	320mm	370mm	370mm
Arm Front to Back	470mm	470mm	470mm
Wet Tray Footprint Sizes	610mmx559mm	838mmx584mm	838mmx584mm
Case Dimensions	430x520x620mm	940x660x712mm	940x660x712mm
Weight in case	51kg	130kg	152kg

FITTING INSTRUCTIONS FOR GRINDER WET KIT

1. Before bolting Punch and Die Grinder into the splash tray screw the flexible hose adaptor into the base of the Grinder from the underside, then push on the plastic hose.
2. Remove the on/off switch from the left hand side of the grinder, by loosening the knob screw, and then remove the knob.
3. Carefully pull out the rotary switch unit, noting the position of the numbers, and then undo the 4 cap head screw holding back of the switch to the grinder body. The earth link cable goes to the longer cap head screw on the bottom right hand side.
4. Pass the flexible conduit and switch round behind the splash guard tray and screw on to the plate located on the left hand side of the wet tray. Fit the switch unit on to the tray in reverse order making sure that the rotary switch unit's fits snugly onto the two location pins on the back box.
5. The grinder can then be bolted in the wet tray. Screw the Locline flexible hosing into the threaded hole located behind the 3 jaw chuck, or shear jig attachment.
6. The soluble grinding oil should be 3" to 4" deep, about halfway up the pump body.

NEVER use water only as it causes corrosion.

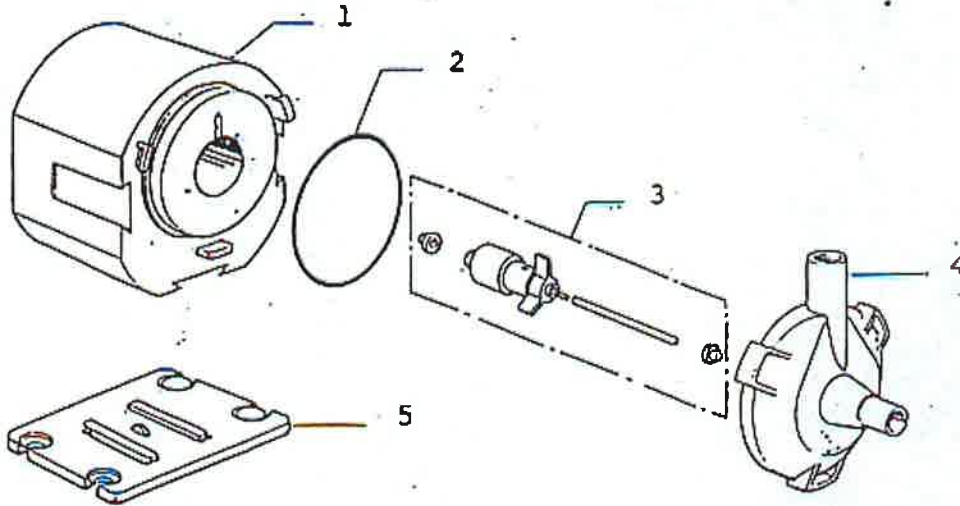
ALWAYS use soluble grinding oil.

The splash tray splash guards can now be put back into the tray, and the grinder is ready to use. It is recommended that some sort of Power Breaker is used.

RENA C40 or SI40 SUBMERSIBLE COOLANT PUMP

The coolant version of the Punch and Die Grinder is supplied with the Rena fully submersible pump, which requires little maintenance.

Important: As the rotor is lubricated by the coolant, the pump must never be operated dry.



1. Pump Motor
2. 'O' Ring
3. Complete Rotor 50Hz
Complete Rotor 60Hz
4. Pump body
5. Back Fixing Plate

Level of coolant should be kept at approx 3" to 4" deep and cover the outlet plate. Do not restrict the flow of the coolant at the pump inlet. The pump is self priming by means of two holes in the plastic tubing fitted on the outlet, and should always be submerged.

The pump is protected with a fused switch on the left hand side of the tray. On single phase coolant models a Power Breaker is supplied.

The pump has been wired so that it does not operate until the grinder has been switched on.

Pump specifications.

Pump Output.....	600 litres per hour
Consumption.....	10 watts
Voltages.....	220/240 volts, 50Hz
Or for use in the USA.....	115 volts, 60Hz
RPM.....	3000 RPM in 50Hz
RPM.....	3600 RPM in 60Hz

Rotation shaft is made of ceramic. DO NOT BEND

We recommend ROCOL ULTRACUT 390H for use as coolant.
Long life, semi-synthetic water mix cutting fluid.

Extends tool Life.

Long and predictable sump life.

Suitable for use with a wide range of materials.

Excellent residual corrosion protection.

Exceptionally resistant to bacterial and fungal growth.

Low foaming.

Emulsifies tramp oil.

Translucent emulsion gives good view of work piece.

Suitable for cutting and grinding operations.

Pleasant and safe to use.

Rocol Ultracut 390 is a high quality, semi-synthetic water mix cutting fluid formulated to give long life and predictable sump life. It is designed for medium duty cutting operations on ferrous and non-ferrous metals. It contains refined mineral oils, and has a unique corrosion inhibition package. ROCOL ULTRACUT 390H is part of a new generation of uniquely formulated metal cutting fluids from ROCOL, designed to meet the needs of today's metal cutting industry.

Recommended Dilutions

ROCOL ULTRACUT 390H should be used between 30:1 and 40:1 depending on the severity of operation, work piece material and water hardness.

Directions for use.

Add the concentrate to the water at the recommended dilution ratio, stirring continuously.

ROCOL ULTRACUT 390H forms a translucent, florescent green micro-emulsion when mixed with water. Optimum fluid life is obtained by correct dilution control and regular maintenance of sump level, particularly prior to weekends and shutdown periods.

Precautions.

Do not take internally

Skin contact with concentrate should be avoided

In case of contact with eyes, flush immediately with water and seek medical advice

Spillage should be mopped up with absorbent material

Health and Safety.

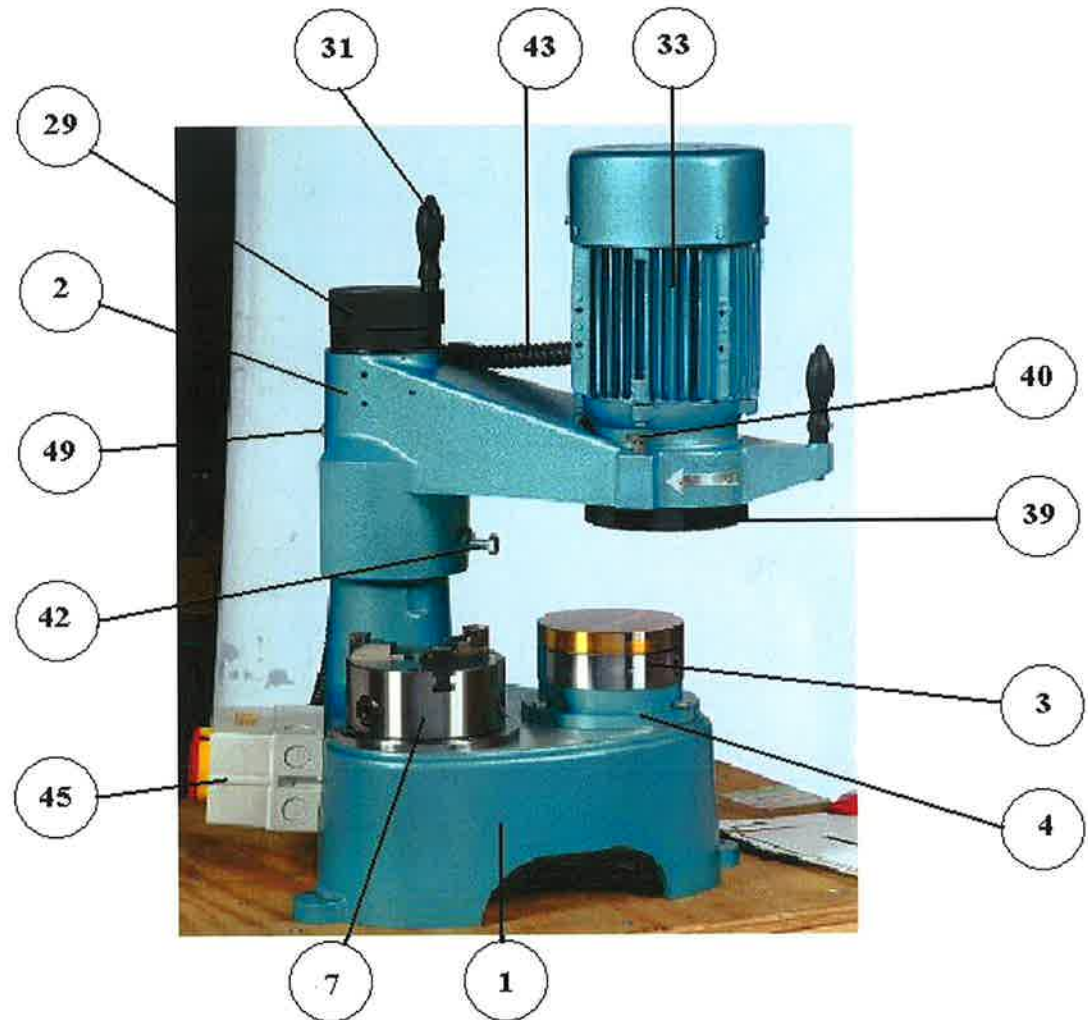
ROCOL ULTRACUT 390H requires no hazard labeling under the Classification, Packaging and Labeling of Dangerous Substances Regulations 1984

**Full health and safety information can be obtained from the
Technical Service Department. RCOL Limited,
Rocol House,
Swillington,
Leeds
LS26 8BS**

Technical Data (Typical)

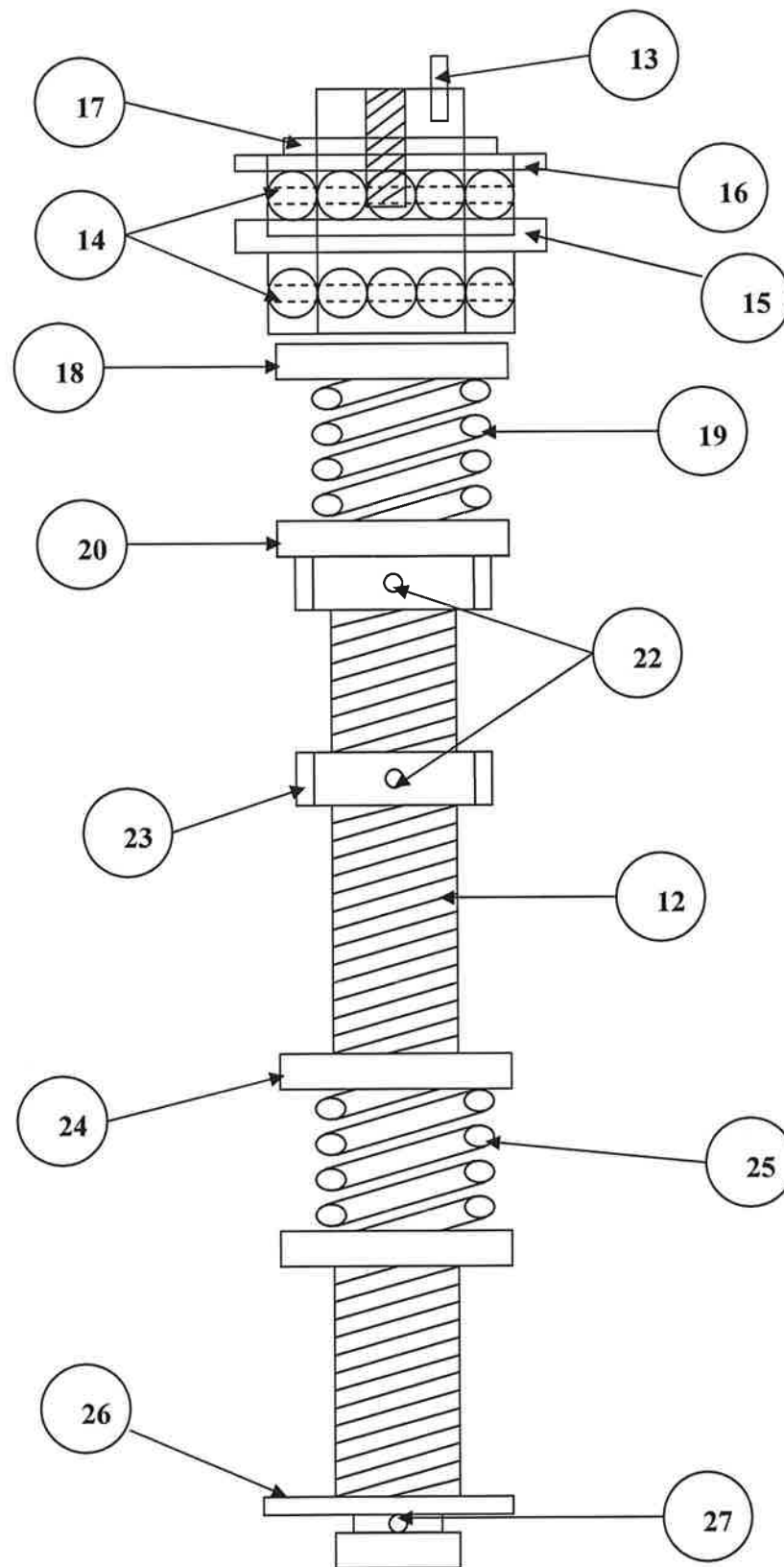
Appearance:	Green concentrates forming a translucent, fluorescent green micro-emulsion when mixed with water.
Specific Gravity:	1.0
Odour:	Mild amine
pH:	9.3 at 15:1 dilution
Mineral Oil:	Contains 40% refined mineral oil
Storage:	0°C to 30°C Do not allow to freeze. Store in a cool place out of direct sunlight.
Nitrites:	Contains no nitrites.
Biocides	Contains no formaldehyde releasing biocides.

STANDARD GRINDER PARTS LIST



	Description	Part no.	Qty
1	Body Casting Machined	GRI/001	1
2	Arm Casting Machined	GRI/002	1
3	120mm Magnetic Chuck	GRI/003	1
4	Magnetic Chuck Spacer Casting	GRI/004	1
7	3 Jaw Chuck 5" TOS 33mm	GRI/007	1
29	Dial Indicator	GRI/029	1
31	Revolving Handle and Screw	GRI/031	1
33	3 Phase Motor	GRI/031	1
	Single Phase Motor	GRI/033C	1
39	Wheel Guard	GRI/039	1
40	Knurled Screws for Wheel Guard	GRI/040	1
42	M10 x 20 hex head Screw	FX56200	1
43	Adaptaflex Conduit	GRI/043	1
45	3 Phase Rotary Switch	GRI/045	1
	Single Phase Rotary Switch	GRI/045A	1
49	M6 x 12 set Screw (Lock main shaft)	FX47220 - FX47190	3

SPINDLE UNIT PARTS LIST



STANDARD GRINDER PARTS LIST

Item No	Description	Part Number	Quantity Per Machine
1	BODY CASTING MACHINED AND PAINTED	GRI/001	1
2	ARM CASTING MACHINED AND PAINTED	GRI/002	1
3	120 MM MAG & CHUCK KEY	GRI/003	1
3A	SPARE KEY FOR MAGNETIC CHUCK	GRI/003A	1
4	MAGNETIC CHUCK SPACER CASTING	GRI/004	1
5	M6 X 35 CAP SCREWS (SPACER TO MAG CHUCK)	FX42460	4
6	M6 X 25 CAP SCREWS (BASE TO MAG CHUCK SPACER)	FX42700	3
7	5" TOS 33 MM 3 JAW CHUCK	GRI/007	1
7A	SPARE CHUCK KEY FOR 5" TOS CHUCK	GRI/007A	1
7B	SET OF 3 JAWS FOR ABOVE	GRI/007B	1
8	M5 X 35 HEX HEAD SCREWS FOR 3 JAW CHUCK	FX42720	3
9	90 DEGREE GREASE NIPPLE	GRI/009	1
10	OIL NIPPLE (ON ARM FOR OILING MAIN SPINDLE)	GRI/010	1
11	BASE NUT CASTING (FOR MAIN SPINDLE)	GRI/011	1
12	MAIN SPINDLE ASSY	GRI/012	1
13	3/16" X 1" CEELOC PIN	PINCLOC3/161	1
14	THRUST BEARINGS 51206	GRI/014	2
15	TOP SEATING BUSH	GRI/016	1
16	FELT PAD	GRI/016	1
17	SHIM WASHERS		
18	BEARING SUPPORT WASHER	GRI/020	1
19	BEARING SUPPORT SPRING (ENTEX 178)	GRI/019	1
20	SPRING RETAINING WASHER	GRI/020	1
21	18 MM CIRCLIP	OBSOLETE	1
22	1/8" DIA X 1" LONG CEELOC PIN	PINCLOC1/6X1	1
23	M16 X 1.5 NUT	FX87481	1
24	RECTANGULAR TENSION NUT	GRI/024	1
25	LOWER SPRING (ENTEX 178)	GRI/019	1
26	1/2" DIA STOP WASHER	GRI/026	1
27	1/8" SPLIT PIN	PINCOT.125X1IN	1
28	M6 X 20 SOCKET CAP SCREWS (BASE NUT TO BODY)	FX42430	4
29	DIAL INDICATOR	GRI/029	1
30	M8 X 50 SOCKET CAP SCREW FOR 29	FX42750	1
31	REVOLVING HANDLE & RETAINING SCREW FOR 29	GRI/031	1
32	REVOLVING HANDLE & RETAINING SCREW FOR ARM	GRI/031	1
33	3 PHASE MOTOR	GRI/033	1
33A	COVER FOR MOTOR FAN	GRI/033FC	1
33	SINGLE PHASE MOTOR	GRI/033C	1
34	M6 X 35 CAP SCREWS & WASHERS (MOTOR TO ARM)	FX42460	4
35	GRINDING WHEEL ARBOR & 2 LOCKING SCREWS	GRI/035-FX47220	1
36	GRINDING CUP WHEEL WHITE	GRI/036	1
36A	GRINDING CUP WHEEL BLUE	GRI/036A	1
37	FACE PLATE FOR ARBOR	GRI/037	1
38	M6 X 20 HEX HEAD SCREW & LOCK WASHER	FX56200	1
39	WHEEL GUARD	GRI/039	1
40	KNURLED SCREWS FOR WHEEL GUARD	GRI/040	2
41	SPRINGS FOR WHEEL GUARD (ENTEX 36)	GRI/041	2
42	M10 X 35 HEX HEAD SCREW (ARM TRANSPORT)	FX61301	1
43	ADAPTA FLEX CONDUIT WITH 20 MM ADAPTORS	GRI/043	1
44	CONDUIT CLIPS AND M6 X 40 CAP HEAD SCREWS	GRI/044-FX42470	2

STANDARD GRINDER PARTS LIST...cont

Item No	Description	Part Number	Quantity Per Machine
45	3 PHASE ROTARY SWITCH (KN3)	GRI/045	1
45A	SINGLE PHASE ROTARY SWITCH (KN1)	GRI/045A	1
46	M6 X 20 SOCKET SET SCREWS (FOR LOCKING NO.15)	FX47240	2
47	MAIN CENTRAL SHAFT	GRI/047	1
48	GLACIER BEARINGS MACHINED	GRI/048	2
49	M6 X 12 X M6 X 6 SET SCREWS (LOCK MAIN SHAFT)	FX47220-FX47190	3
50	DIAMOND DRESSING STICK	GRI/050	1
51	SQUARE DRESSING STICK	GRI/051	1
52	13 MM BOX SPANNER AND BAR	GRI/B513MM	1
53	COOLANT PUMP 115 V US ONLY AND JAPAN	GRI/053	1
54	COOLANT PUMP 240 V	GRI/054	1
57	COOLANT PUMP SEALING RING 4004	GRI/057	1
58	COOLANT PUMP BACKING PLATE	GRI/058	1
59	2BA X 7/8" BUTTON HEAD SCREW AND WASHER FOR ABOVE	FX46101	1
60	COOLANT PLASTIC TUBING WITH AUTO PRIMING HOLES	GRI/060	1
61	BRASS HOSE TAIL	GRI/062	1
62	BALL VALVE	GRI/062	1
63	1/4 NPT CONNECTOR 1/4 BSP (LOCLINE 41406)	GRI/063	1
64	SEGMENTS (LOCLINE 41401)	GRI/064	6
65	ELBOW FITTING (LOCLINE 41415)	GRI/065	1
66	1/4" DIA NOZZLE (LOCLINE 41404)	GRI/066	1
70	2BA X 5/8" CAP SCREWS (FOR GRID SWITCH ENCL)	FX44420	2
71	4 BA X 1/4" CAP SCREWS (FOR KN SWITCH)	FX44350	3
72	4 BA X 1/2" CAP SCREWS (FOR KN SWITCH EARTH)	FX44370	1
73	COOLANT TRAY KIT FOR STANDARD GRINDER COMPLETE	GRI/073	1
74	TRANSFORMER 415 V 3 PHASE TO 240 V SINGLE PHASE	GRI/E001	1
75	M6 X 12 BUTTON HEAD SCREWS & NUTS FOR ABOVE	FX46180	2
76	ADAPTAFLEX CONDUIT & 20 MM FITTING FOR ABOVE	Z169	1
77	ADAPTAFLEX 90 DEGREE ADAPTOR	GRI/077	1
78	PLASTIC WHITE STUFFING GLAND	GRI/078	1

MAJOR GRINDER PARTS LIST

(Spares different to Standard Grinder)

M1	MAJOR BODY CASTING MACHINED AND PAINTED	GRI/M001	1
M2	MAJOR ARM CASTING MACHINED AND PAINTED	GRI/M002	1
M4	MAGNETIC CHUCK SPACER CASTING FOR 4" MAG CHUCK	GRI/M004	1
M7	? TOS JAW CHUCK	GRI/M007	1
M7A	SPARE CHUCK KEY FOR ABOVE	GRI/M007A	1
M7B	SET OF 3 JAWS FOR ABOVE	GRI/M007B	1
M7C	3 JAW OR SHEAR JIG BACKING PLATE	GRI/M007C	1
M35	GRINDING WHEEL ARBOR & 2 LOCKING SCREWS	GRI/M035	1
M35A	BACK PLATE FOR ARBOR	GRI/M035A	1
M36	CERAMIC GRINDING CUP WHEEL	GRI/M036	1
M37	FACE PLATE FOR ARBOR	GRI/M037	1
M38	GRINDING WHEEL GUARD	GRI/M039	1
	ADAPTAFLEX FIXED ADAPTOR	Z272	1

MAJOR GRINDER PARTS LIST

(Spares different to Standard Grinder / Major)

GT3	6" MAGNETIC CHUCK	GRI/MGT003	1
GT3A	SPARE KEY FOR 6" MAGNETIC CHUCK	GRI/MGT003A	1
GT4	6" MAGNETIC CHUCK SPACER CASTING	GRI/MGT004	1
SJ80	SHEAR JIG MK3 LESS VEE BLOCK	GRI/SJ-V	1
SJ84	SHEAR JIG MK3 PLUS VEE BLOCK	GRI/SJ	1
SJ64	VEE BLOCK & CLAMP COMPLETE	GRI/SJV/COMP	1

OPTIONAL EXTRAS

955	DEMAGNETISER SINGLE OR 3 PHASE AVAILABLE	GRI/DMAG1	1
	COOLANT FLUID 750 ML BOTTLE	GRI/ROCOL/750 MM	1
	PLASTIC GUARD (FLAT)	GRI/ESGM	1

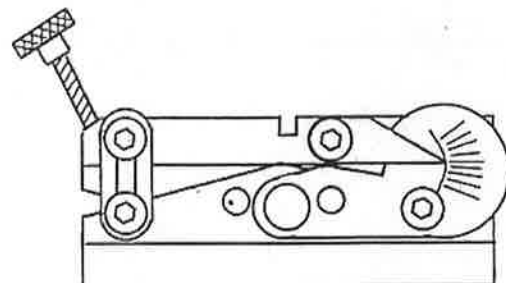
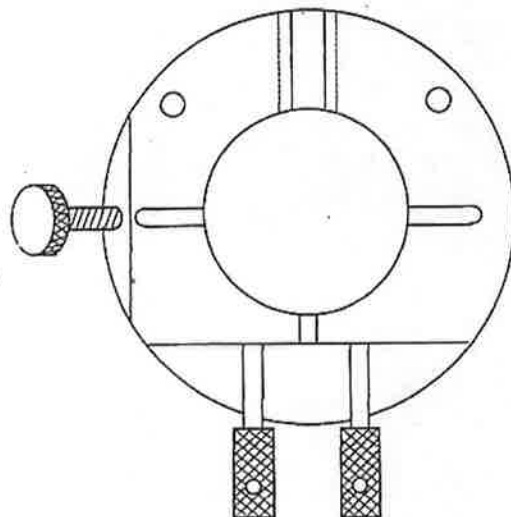
Shear Grinding Attachment

The Shear Jig Attachment fixes to the punch and die grinder in place of the 3 jaw chuck. Punch shanks up to 2" (50.8mm) diameter can be held in the movable vee block

Shears up to 10 degrees can be ground on punches, or it can be locked in the horizontal position by means of removable pins. The angle plate has a locking strap on the front and has 2 adjusting screws on top.

The Shear Jig Attachment is made of high grade cast iron and the Vee Block made of hardened steel.

Amada Punch Adaptors are available for "A", "B", "C" and "D" stations. Other makes of punch Adaptors are available on application.



Mark 3 style Shear Jig

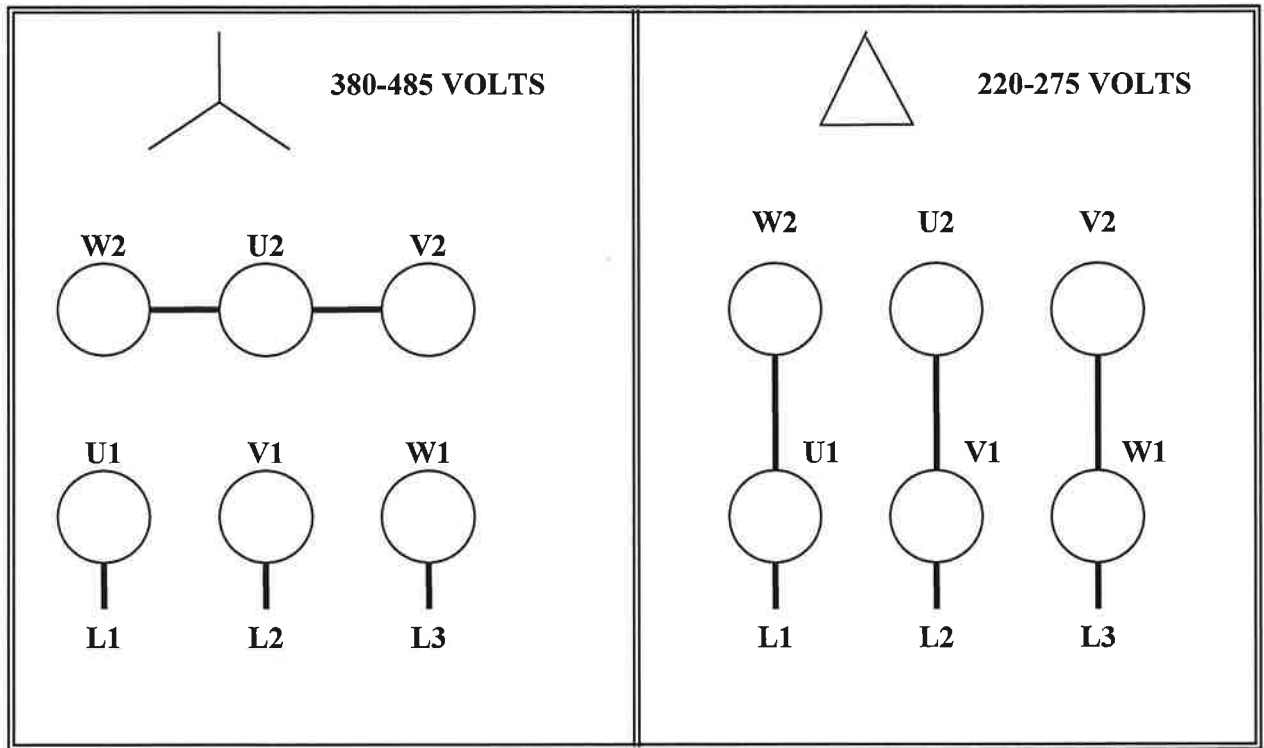
5 ½" (139.7mm) Diameter

3" (76.2mm) High

½" (12.7mm) Wide Tee Slot for Fixing Vee Block

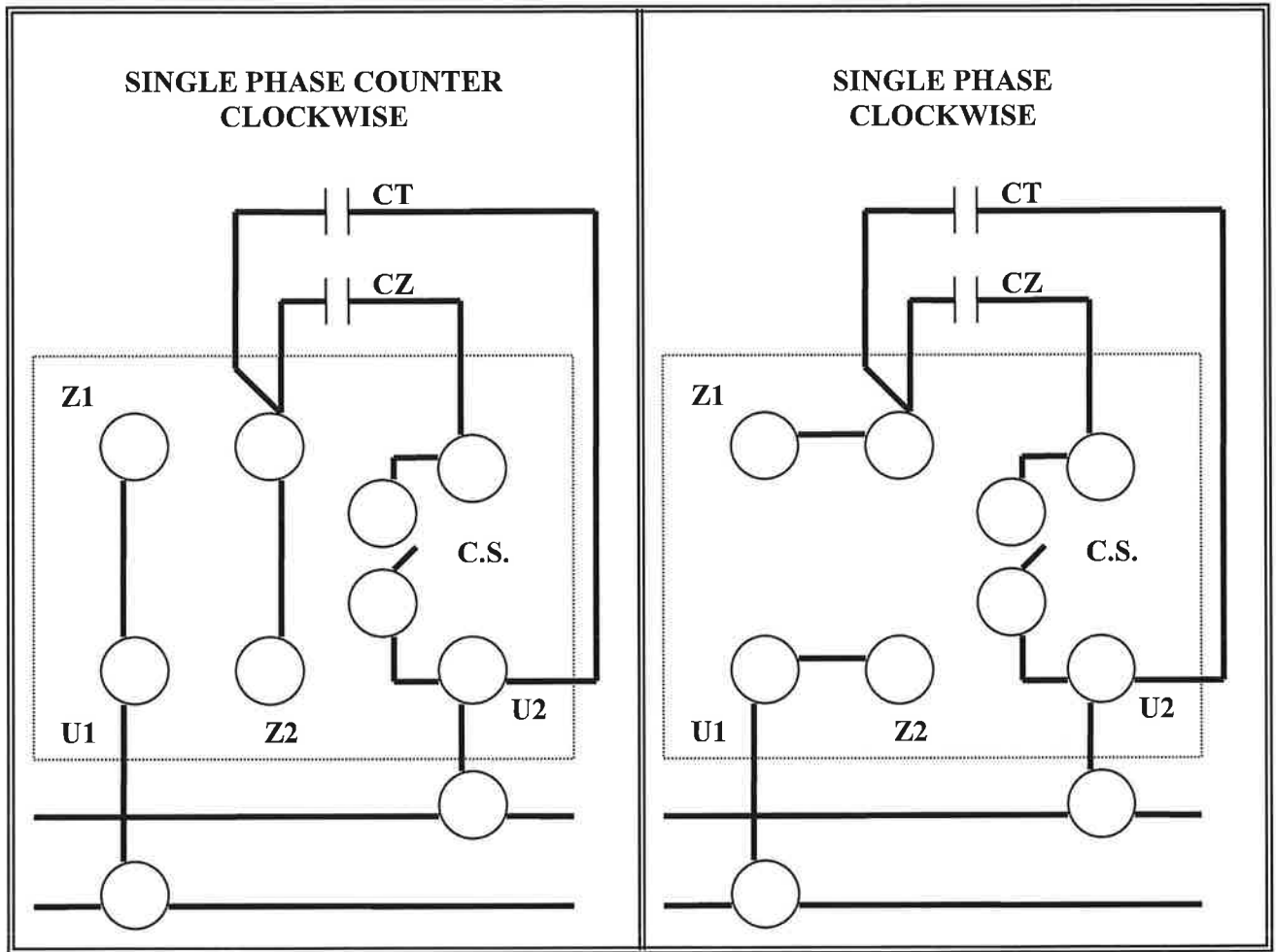
¼" (6.35mm) Wide Slots for Adaptor Location

3 PHASE MOTOR



EUROMOTOR:	5AZ 80 A-2
POWER:	0.75 kw
SPEED:	2850 RPM (2 POLE)
SUPPLY:	220-240/380-420 VOLTS, 3 PHASE, 50Hz
SUPPLY:	255-275/440-485 VOLTS, 3 PHASE, 60Hz
ENCLOSURE:	I.P. 55
MOUTING:	VERTICAL, SHAFT DOWN, B 14 FACE.

SINGLE PHASE MOTOR



EUROMOTOR:	5AZ 80 A-2
POWER:	0.75 kw
SPEED:	2850 RPM (2 POLE)
SUPPLY:	220-240 VOLTS, SINGLE PHASE, 50Hz
ENCLOSURE:	I.P. 55
MOUNTING:	VERTICAL, SHAFT DOWN, B 14 FACE.

MODEL TYPE	<input type="text"/>	
SERIAL NO.	<input type="text"/>	
YEAR OF MANUFACTURE	<input type="text"/>	
VOLTAGE	<input type="text"/>	
PHASE	<input type="text"/>	HZ <input type="text"/>

MACHINE ASSEMBLY CHECK LIST

BEFORE ASSEMBLY

1. CHECK ALL COMPONENTS TO PARTS LIST (.....)
2. CHECK ALL BEARINGS AND OILWAYS (.....)
3. REMOVE ANY BURRS FROM COMPONENTS AND OILWAYS (.....)

DURING ASSEMBLY

4. CHECK ALL NUTS AND BOLTS AND TIGHTENED TO SPECIFICATION (.....)
5. CHECK ALL SEALS AND WASHERS ARE SERVICEABLE, AND FITTED CORRECTLY (.....)
6. CHECK ALL MOVING PARTS MOVE FREELY AND CORRECTLY (.....)
7. CHECK ALL GRINDING WHEELS ARE OF SERVICEABLE CONDITION. (.....)

FINAL TEST

8. CHECK FOR OIL LEAKS (.....)
9. CHECK MACHINE ACHIEVES SPECIFICATION (.....)
10. CHECK ALL ADJUSTMENTS ARE FITTED CORRECTLY, AND ARE WORKING (.....)
11. CHECK ALL SAFETY GUARDS ARE IN PLACE, MOVE FREELY AND LOCK IN PLACE. (.....)
12. CHECK ALL NAME PLATES, SERIAL NUMBERS, AND CE MARK ARE ON THE MACHINE AND CLEARLY VISIBLE (.....)
13. CHECK WIRING, MOTOR, AND SWITCHGEAR ARE WORKING CORRECTLY (.....)
14. CHECK MACHINE IS PACKED CORRECTLY AND PACKAGING IS MARKED CORRECTLY (.....)

MECHANICAL CHECKED: SIGNED..... PRINT.....

ELECTRICAL CHECK BY: SIGNED..... PRINT.....

FINAL CHECK BY: SIGNED..... PRINT.....

DATE.....

NOTE: ALL BOXES SHOULD BE MARKED WITH A TICK, IF APPLICABLE TO THAT TYPE OF MACHINE, OR N/A IF NOT APPLICABLE



GROUP OF COMPANIES

**Hilton Road
Cobbs Wood Industrial Estate
Ashford
Kent
TN23 1EW**

For spare parts please contact our sales team on

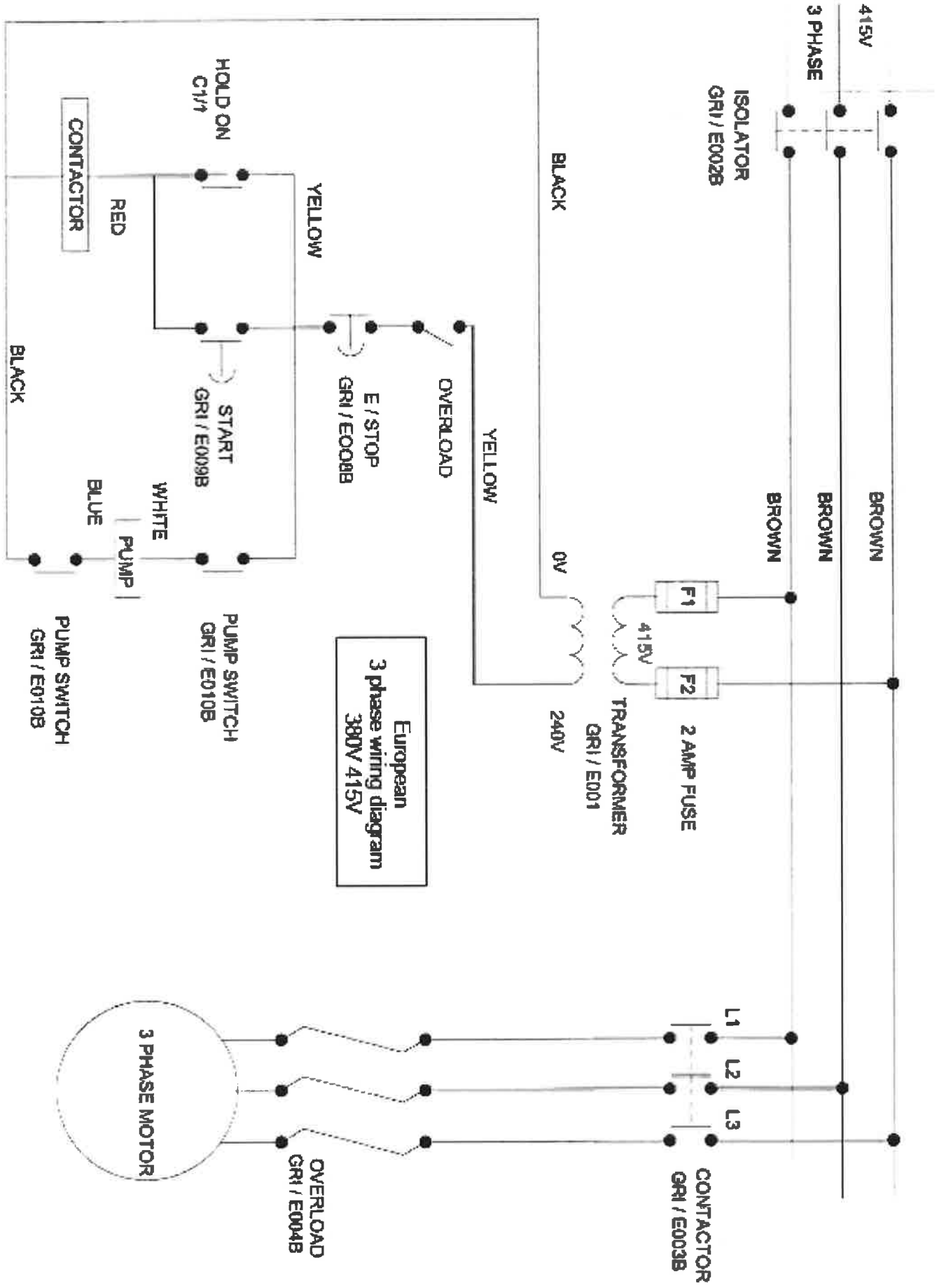
Tel: 01233 631554

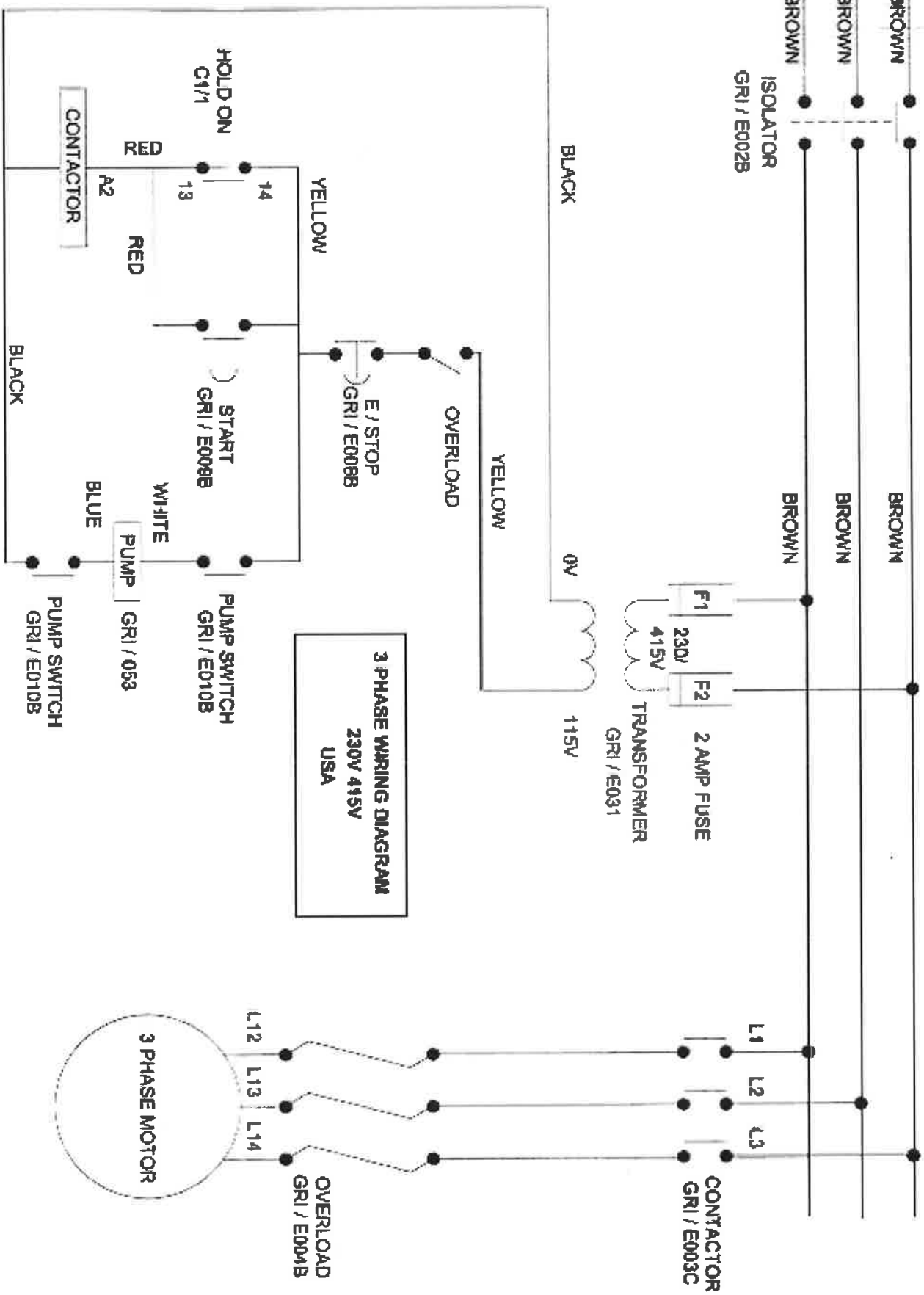
Fax: 01233 631888

web: www.mjallen.co.uk

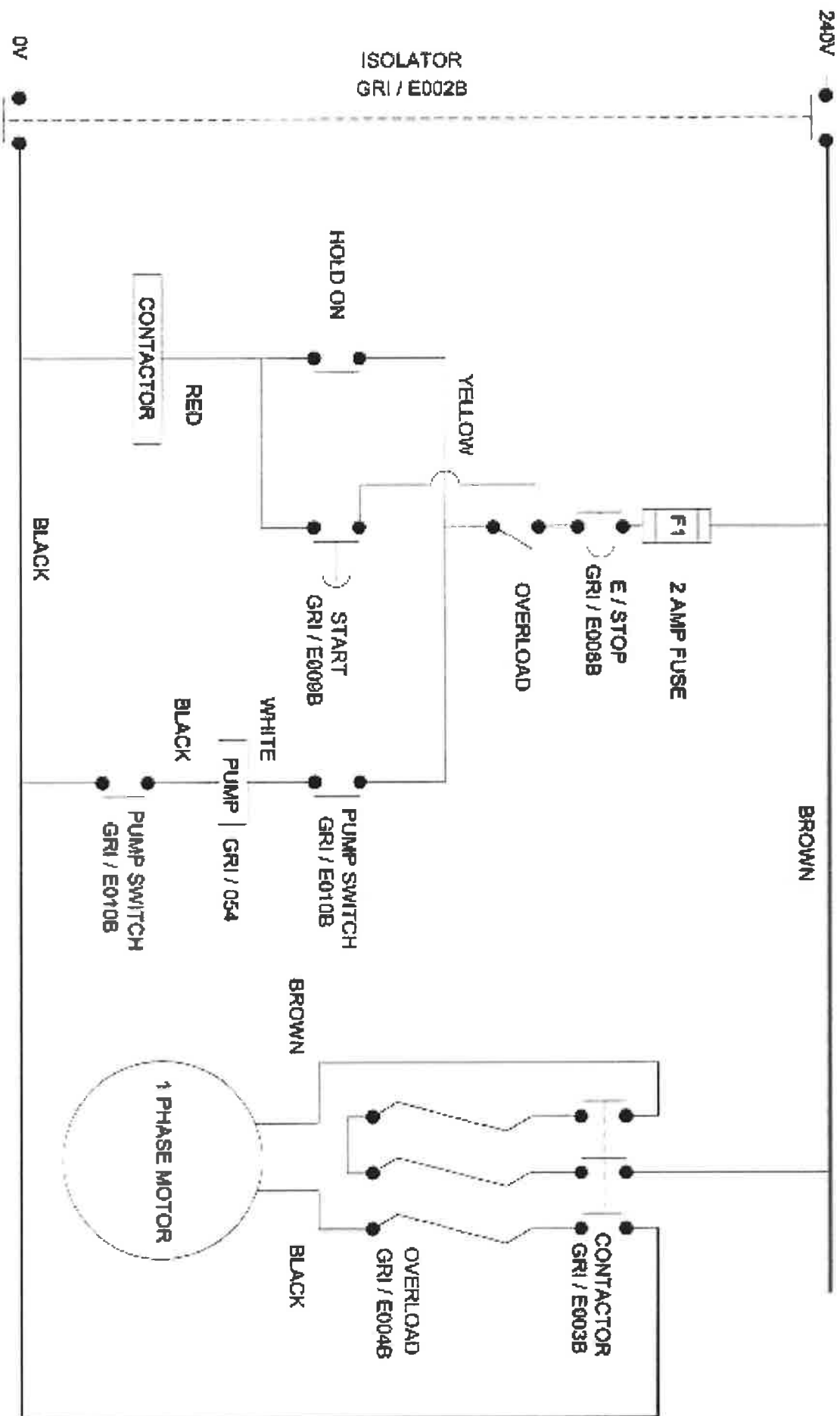
e-mail: sales@mjallen.co.uk

FROM MAINS SUPPLY
IN ON TERMINAL BLOCK





Single phase wiring diagram



“EC” DECLARATION OF CONFORMITY

(Machinery Directive, 2006/42/EC, Annex IIA)

Hereby declares that the machinery:

Hunton Punch and Die Grinder is used in grinding press punches and dies.

Machine no.: Serial no.

- **complies with the provisions of the “machinery” Directive (Directive 2006/42/EC, as amended)**
- **complies with the provisions of the following harmonized standards**

EN 12100, part 1 and 2: 2003
EN 13218: 2002 + A1: 2008/C1:2008
EN 13850 + A1:2007
EN 60204, part 1:2006
EN 14121, part 1:2007

Signed by: T. Allen, MD





RMT AIR TOGGLE PRESS WARRANTY CERTIFICATE

As part of the purchase of a new RMT Pneumatic Toggle Press, a parts warranty will be included. The warranty begins at the point of initial shipment and will not automatically be passed along to second owners. The warranty applies to equipment, which has been installed, protected, maintained and used in accordance with the specifications and instructions of the manufacturer, for its intended purposes, without modification, misuse or abuse by the PURCHASER.

Mechanical parts and components are warranted for a period of 12 months from the date of shipment.
Pneumatic parts and components are warranted for a period of 90 days from the date of shipment.

PARTS WARRANTY: In the event of a problem, the purchaser contacts RMT's American Master Distributor whose service technicians will provide over the phone trouble shooting measures to resolve the situation. The purchaser is responsible for executing all required troubleshooting steps to determine the problem. If it is determined that any part has failed due to a defect in material or workmanship within the Warranty Period (defined above), a replacement part will be provided free of charge except for the freight costs which are the purchaser's responsibility. The purchaser is responsible for installing any replacement parts and/or all labor charges associated with installation of replacement parts. The purchaser may be required to send damaged parts prepaid to RMT's American Master Distributor for inspection. Replacement parts are warranted only for the balance of the original Warranty Period.