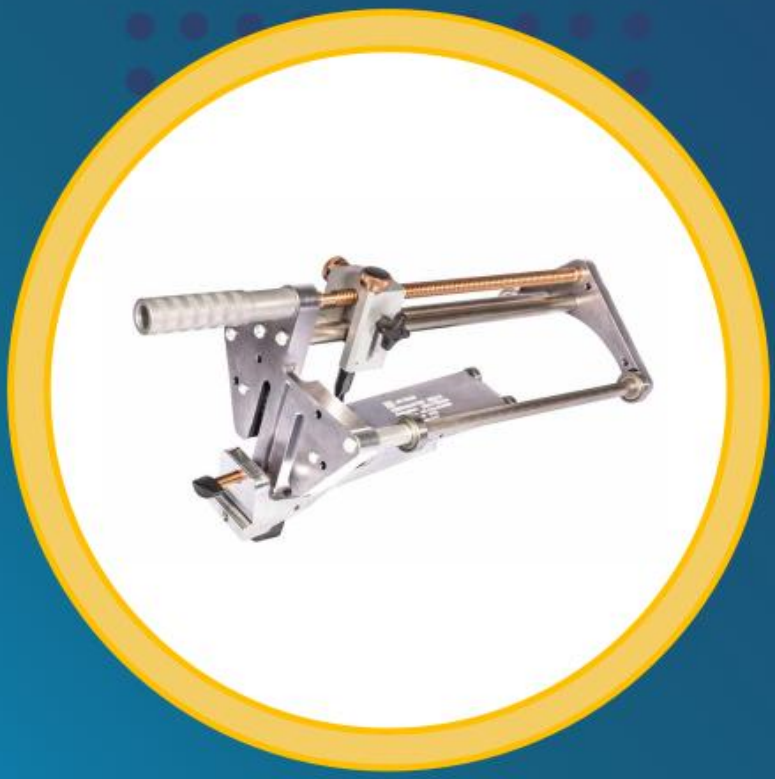
Hy-Ram Engineering

User Manual, Operating Instructions and Specifications



PrepMaster Multi Mechanical Rotary Scraping Tool

Ø63mm – 315mm
Ø90mm – 400mm
Ø110mm – 500mm
Ø250mm – 710mm

ELECTROFUSION

• INNOVATION • DESIGN • MANUFACTURE • SUPPLY

Hy-Ram Engineering

Pipe tool and equipment expertise

User Manual, Operating Instructions and Specifications

PrepMaster Multi Mechanical Rotary Scraping Tools

Size Range	Product Code	Description
Ø63mm-315mm	700-000146	Scraper Tool
Ø90mm-400mm	700-000147	Scraper Tool
Ø110mm-500mm	700-000148	Scraper Tool
Ø250mm-710mm	700-000149	Scraper Tool
Ø63mm-315mm	045-000288	Storage Box
Ø90mm-400mm	045-000289	Storage Box
Ø110mm-500mm	045-000387	Storage Box
Ø250mm-710mm	045-000440	Storage Box



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Product description

The Hy-Ram PrepMaster Multi range of scraping tools are manually operated mechanical rotary pipe scrapers. The intended use of the units is to remove the outer oxidised surface of the polyethylene (PE80 & PE100) pipe end, prior to the pipe being inserted into the electrofusion fitting at the start of the electrofusion process.

The Hy-Ram PrepMaster Multi range of scraping tools incorporate a tungsten carbide blade to give a controlled depth of cut over a range of pipe diameters. The tools remove a layer in the order of 0.2 - 0.4mm thick from the outer surface of the pipe. The tools remove a continuous strip of swarf over the insertion length of the fitting around the whole circumference of the pipe.

The Hy-Ram PrepMaster Multi range of scraping tools are designed for use on Polyethylene pipes with an outside diameter range of 63mm to 710mm with no restriction on wall thickness or SDR. The tools are not intended for use on PE pipes with removable skin. Removal of this skin should be carried out with an appropriate approved tool.

Note:
No other uses are considered appropriate for this unit.
To use this unit for other purposes could lead to the unit being used for dangerous applications that may cause injury and could result in bad practice and poor-quality workmanship.
The information contained in these instructions is to assist with the safe installation, operation and maintenance of the equipment.
This information should be made available to all persons who are required to work with or on the equipment.

Future amendments issued by Hy-Ram Engineering Co. Ltd. should be attached to this document.

In the case of any doubt with any aspect of this equipment, including the application, safe use and instructions within this document; contact for clarification and advice.

Health and Safety Introduction

This document explains about the tool and how to use and maintain it and should be available to all persons who are likely to use or work with or on the tool. Understand the following statements before using the tool.

Warning	Informs of hazardous conditions which may cause bodily harm
Caution	Informs of conditions which may cause damage to the equipment
Notes	Explains additional or helpful information

Warning

- Prior to use, read and understand the Operating Instructions and Specifications. Ensure all component parts are present and in serviceable condition.
- Always wear appropriate Personal Protective Equipment (PPE). Operatives should wear eye protection, gloves, safety headwear and footwear when using this equipment.
- It is not envisaged that this equipment can be used by untrained operatives. Only trained operators, familiar with the industry should use this equipment.
- The PrepMaster Multi tools remove a continuous strip of swarf around the circumference of the pipe. There is a danger of swarf causing injury to eyes.
- The PrepMaster Multi tool presents dangers from trapping parts of the body between the moving parts. Particular dangers are when mounting & tightening the tool. Using this unit for any other purpose could lead to injury and/or undesirable quality.
- The PrepMaster Multi tool works by being manually rotated around the pipe. This can present dangers in terms of injury to fingers/hands if there is insufficient room or clearance around the whole circumference of the pipe. The information contained in these instructions is to assist with the safe installation, operation, and maintenance of the equipment.
- The PrepMaster Multi range of scraping tools incorporate a tungsten carbide blade to give a controlled depth of cut for a specific pipe diameters/SDR. The cutting blade is sharp, and care must be taken when handling the tool and especially the blade. The cutting blade is 4-sided and can be easily rotated using a Torx T15 key.

Caution

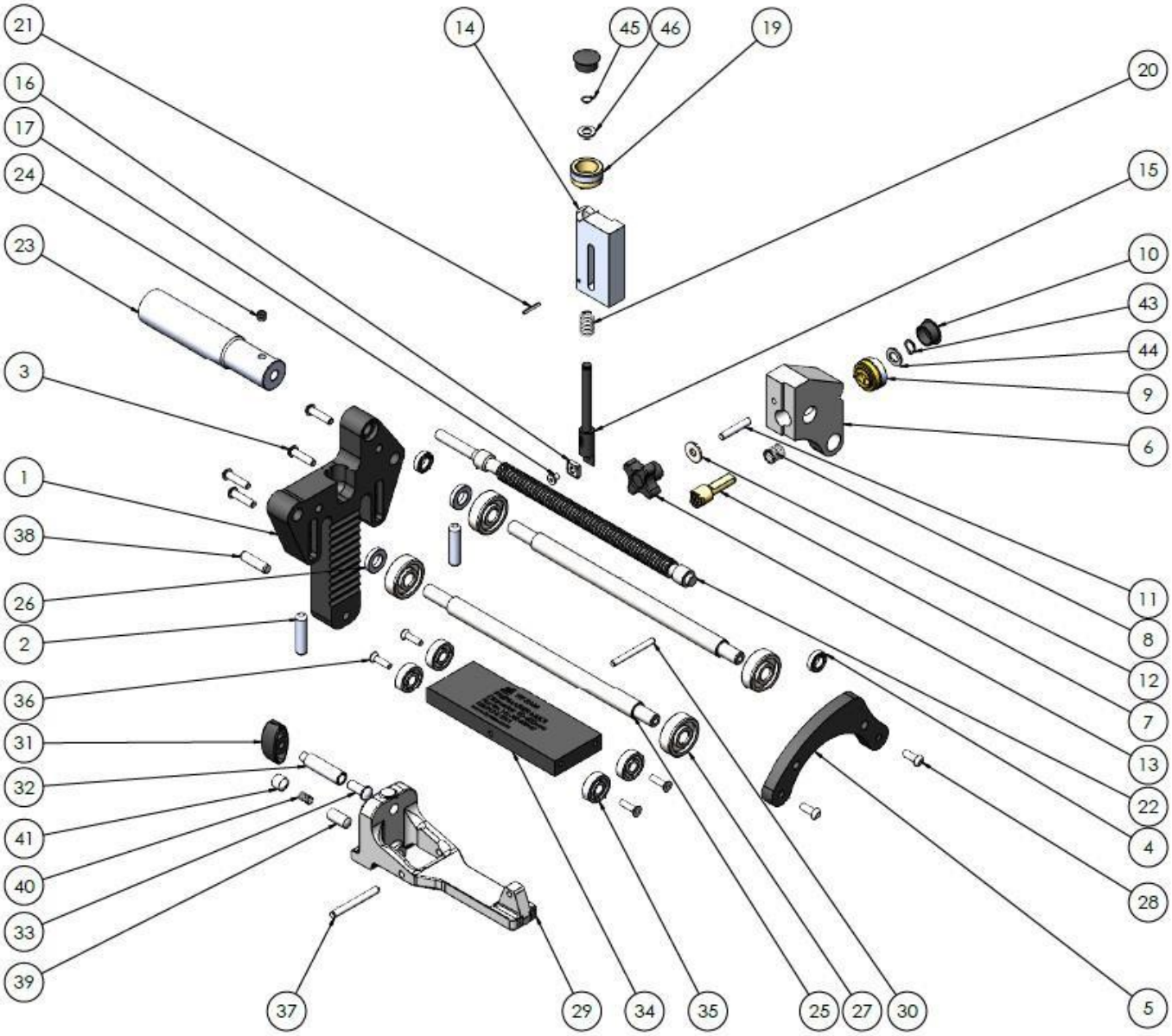
- It is the responsibility of the operator of the tool to ensure that the PE pipe is suitable for this kind of pipe preparation and that the tool will conform to the specified welding standard. In case of any doubt, contact the pipe manufacturer and/or the relevant controlling authority. Confirm that the pipe pressure does not exceed 16 Bar working pressure.
- Only use the tool for the purpose of its design and on pipes within the specified diameters/SDR's. Always use in accordance with approved site operating procedures, approved by the network/asset owner/water company, in line with relevant industry standards and procedures.

Photo Gallery





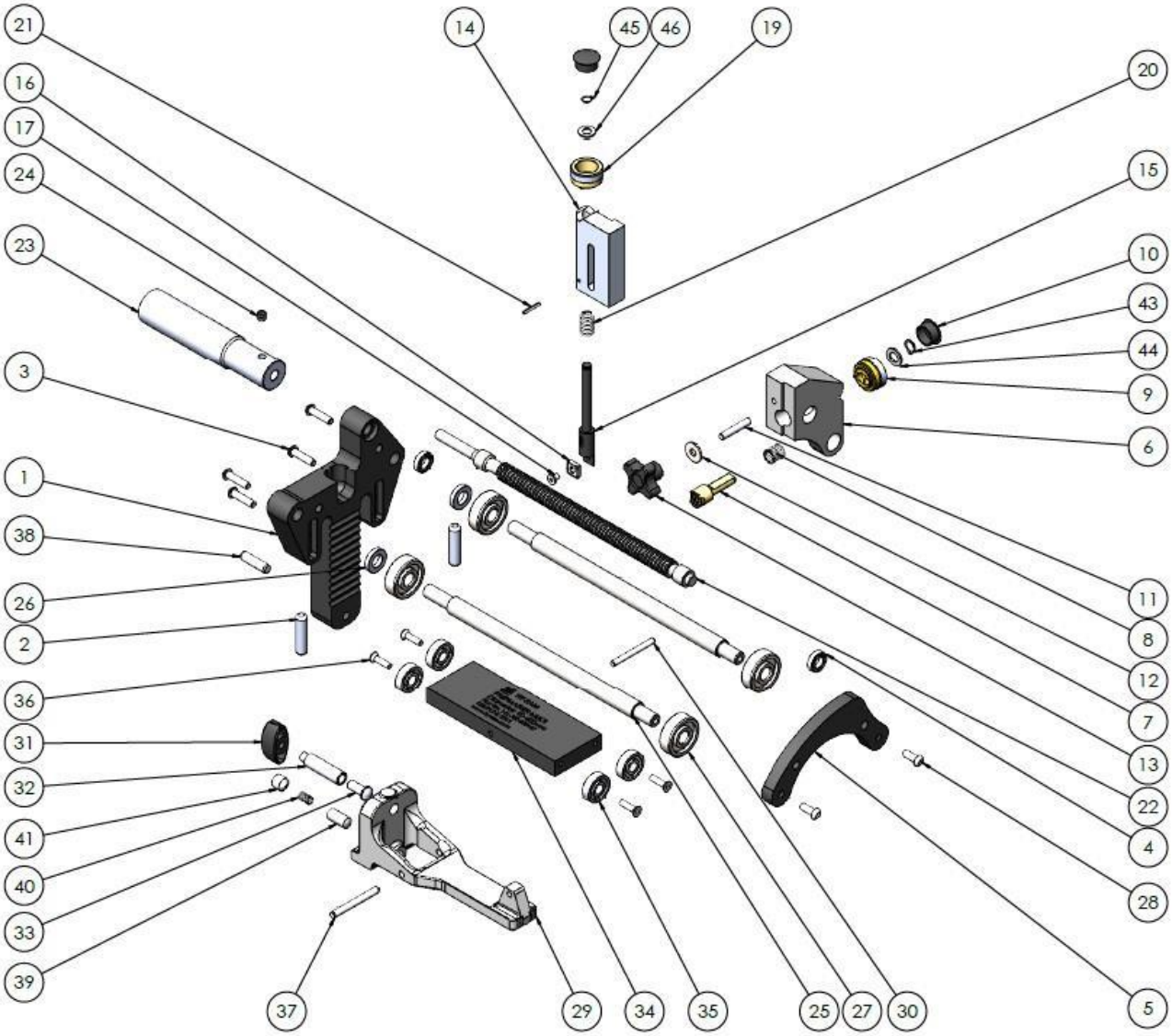
Ø63mm-315mm PrepMaster Multi



Component Part Numbers

ITEM NO.	Part No	Description	QTY
1	645-000260	Front Plate	1
2	023-000276	Rubbing Bar	2
3	SCRW-M6x16mmBHSBZP	M6 x 16mm Hex Socket Button Head Screw BZP	2
4	033-000020	Deep Groove Ball Bearing	1
5	645-000261	Back Plate	1
6	046-000041	Trolley	1
7	648-000091	Plunger	1
8	713-100033	Spring	1
9	171-000096	Trolley Engage Knob	1
10	657-000081	Plastic Cap	1
11	058-000027	M6 Stud	1
12	760-000080	M6 Plain Washer BZP	1
13	171-000124	Cutter Block Knob	1
14	042-000064	Cutter Block	1
15	174-000007	Cutter Holder	1
16	117-000291	Cutter	1
17	SCRW-M4x8mmCSKBZP	M4 x 8mm Hex Socket Countersunk Screw BZP	1
18	657-000082	Plastic Cap	1
19	171-000103	Cutter Carrier Knob	1
20	SPRI-S298	Spring	1
21	SELL-3mmx20mm-BZP	Ø3mm x 20mm Seloc Pin BZP	1
22	400-000102	Feed Screw	1
23	171-000097	Handle	1
24	SCRW-M8x8mmCPGBZP	M8 x 8mm Hex Socket Cone Point Grub Screw BZP	1
25	023-000265	Tie Bar	2
26	760-000098	Washer	2
27	033-000021	Deep Groove Ball Bearing	4
28	SCRW-M6x16mmBHSBZP	M6 x 16mm Hex Socket Button Head Screw BZP	2
29	046-000061	Carriage Arm Assembly	1
30	DOWL-6mmx45mm-TYPEA	Ø6mm x 45mm Plain Dowel Pin Type A	1
31	171-000125	Carriage Arm Knob	1
32	400-000110	Wing Knob Screw	1
33	184-000010	Wing Knob Insert	1
34	046-000042	Roller Carriage	1
35	033-000022	Deep Groove Ball Bearing	4
36	SCRW-M5x12mmCSKBZP	M5 x 12mm Hex Socket Countersunk Screw BZP	4
37	DOWL-5mmx30mm-TYPEB	Ø5mm x 30mm Plain Dowel Pin Type B	1
38	DOWL-8mmx25mm-TYPEB	Ø8mm x 25mm Plain Dowel Pin Type B	1
39	648-000093	Plunger	1
40	SPRI-S213	Spring	1
41	SCRW-M12x12mmCPGBZP	M12 x 12mm Hex Socket Cone Point Grub Screw BZP	1
42	SCRW-M6x16mmBHSBZP	M6 x 16mm Hex Socket Button Head Screw BZP	2
43	087-140010	Ø10mm External Circlip	1
44	760-000108	Ø10mm Narrow Flat Washer DIN433 BZP	1
45	087-140008	Ø8mm External Circlip	1
46	760-000109	Ø8mm Narrow Flat Washer DIN433 BZP	1

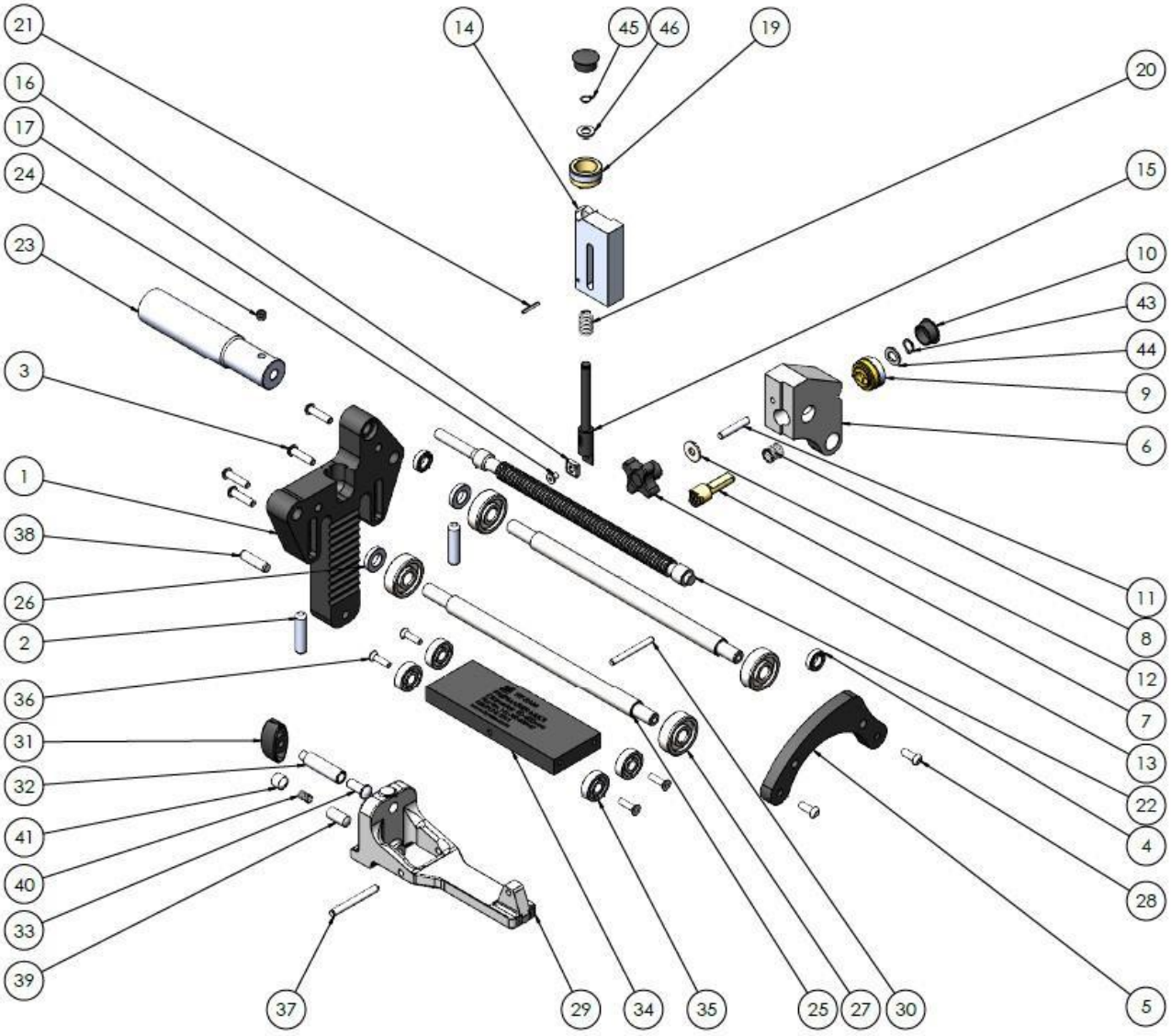
Ø90mm-400mm PrepMaster Multi



Component Part Numbers

ITEM NO.	Part No	Description	QTY
1	645-000258	Front Plate	1
2	023-000274	Rubbing Bar	2
3	SCRW-M6x25mmBHSBZP	M6 x 25mm Hex Socket Button Head Screw BZP	2
4	033-000020	Deep Groove Ball Bearing	1
5	645-000259	Back Plate	1
6	046-000038	Trolley	1
7	648-000091	Plunger	1
8	713-100033	Spring	1
9	171-000096	Trolley Engage Knob	1
10	657-000081	Plastic Cap	1
11	058-000027	M6 Stud	1
12	760-000080	M6 Plain Washer BZP	1
13	171-000124	Cutter Block Knob	1
14	042-000064	Cutter Block	1
15	174-000007	Cutter Holder	1
16	117-000291	Cutter	1
17	SCRW-M4x8mmCSKBZP	M4 x 8mm Hex Socket Countersunk Screw BZP	1
18	657-000082	Plastic Cap	1
19	171-000103	Cutter Carrier Knob	1
20	SPRI-S298	Spring	1
21	SELL-3mmx20mm-BZP	Ø3mm x 20mm Seloc Pin BZP	1
22	400-000100	Feed Screw	1
23	171-000097	Handle	1
24	SCRW-M8x8mmCPGBZP	M8 x 8mm Hex Socket Cone Point Grub Screw BZP	1
25	023-000264	Tie Bar	2
26	760-000098	Washer	2
27	033-000021	Deep Groove Ball Bearing	4
28	SCRW-M6x16mmBHSBZP	M6 x 16mm Hex Socket Button Head Screw BZP	2
29	046-000063	Carriage Arm Assembly	1
30	DOWL-6mmx55mm-TYPEA	Ø6mm x 55mm Plain Dowel Pin Type A	1
31	171-000125	Carriage Arm Knob	1
32	400-000110	Wing Knob Screw	1
33	184-000010	Wing Knob Insert	1
34	046-000039	Roller Carriage	1
35	033-000023	Deep Groove Ball Bearing	4
36	SCRW-M5x12mmCSKBZP	M5 x 12mm Hex Socket Countersunk Screw BZP	4
37	DOWL-5mmx50mm-TYPEB	Ø5mm x 50mm Plain Dowel Pin Type B	1
38	DOWL-8mmx30mm-TYPEB	Ø8mm x 30mm Plain Dowel Pin Type B	1
39	648-000093	Plunger	1
40	SPRI-S213	Spring	1
41	SCRW-M12x12mmCPGBZP	M12 x 12mm Hex Socket Cone Point Grub Screw BZP	1
42	SCRW-M6x25mmBHSBZP	M6 x 25mm Hex Socket Button Head Screw BZP	2
43	087-140010	Ø10mm External Circlip	1
44	760-000108	Ø10mm Narrow Flat Washer DIN433 BZP	1
45	087-140008	Ø8mm External Circlip	1
46	760-000109	Ø8mm Narrow Flat Washer DIN433 BZP	1

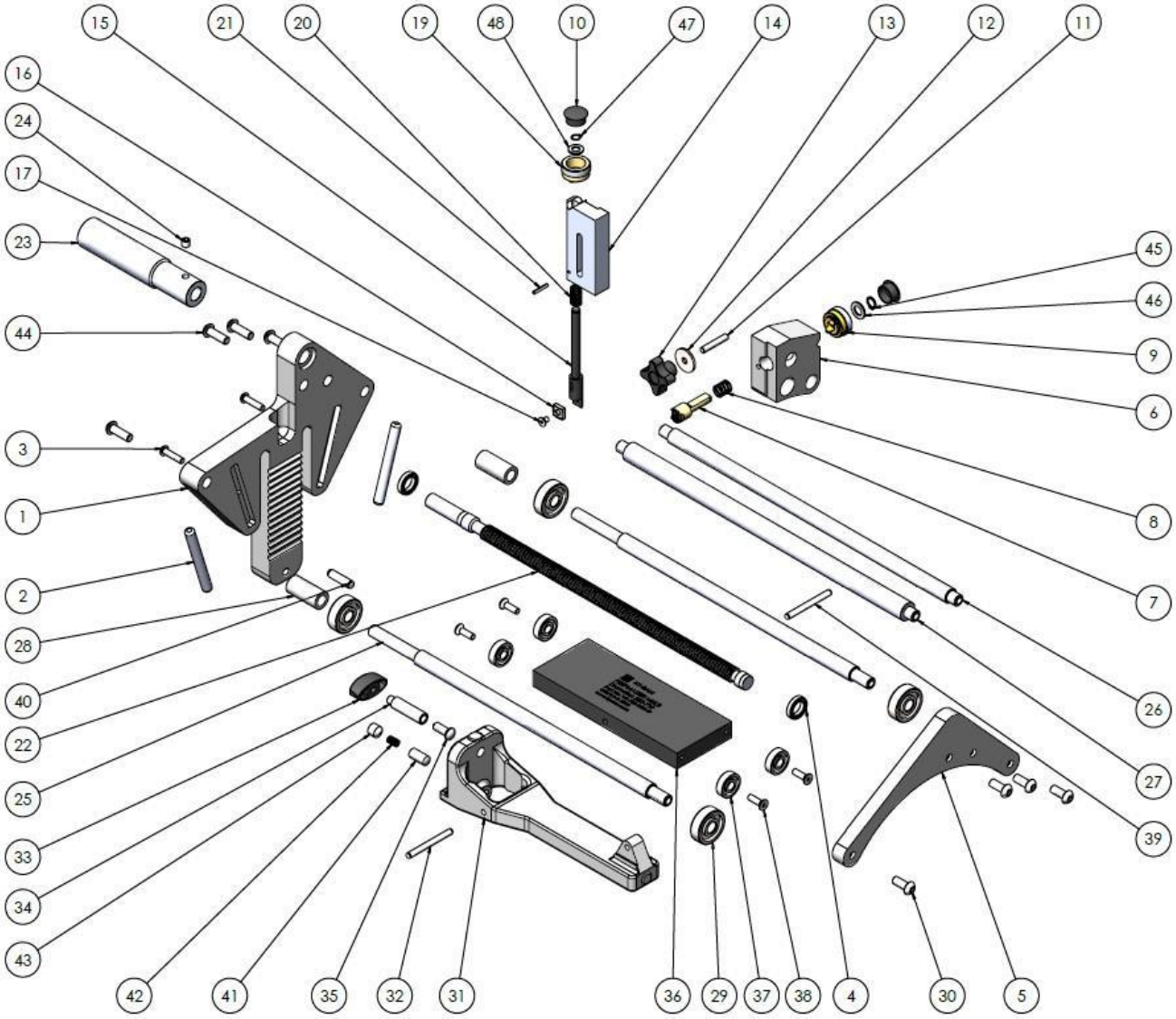
Ø110mm-500mm PrepMaster Multi



Component Part Numbers

ITEM NO.	Part No	Description	QTY
1	645-000258	Front Plate	1
2	023-000274	Rubbing Bar	2
3	SCRW-M6x25mmBHSBZP	M6 x 25mm Hex Socket Button Head Screw BZP	2
4	033-000020	Deep Groove Ball Bearing	1
5	645-000259	Back Plate	1
6	046-000038	Trolley	1
7	648-000091	Plunger	1
8	713-100033	Spring	1
9	171-000096	Trolley Engage Knob	1
10	657-000081	Plastic Cap	1
11	058-000027	M6 Stud	1
12	760-000080	M6 Plain Washer BZP	1
13	171-000124	Cutter Block Knob	1
14	042-000064	Cutter Block	1
15	174-000007	Cutter Holder	1
16	117-000291	Cutter	1
17	SCRW-M4x8mmCSKBZP	M4 x 8mm Hex Socket Countersunk Screw BZP	1
18	657-000082	Plastic Cap	1
19	171-000103	Cutter Carrier Knob	1
20	SPRI-S298	Spring	1
21	SELL-3mmx20mm-BZP	Ø3mm x 20mm Seloc Pin BZP	1
22	400-000106	Feed Screw	1
23	171-000097	Handle	1
24	SCRW-M8x8mmCPGBZP	M8 x 8mm Hex Socket Cone Point Grub Screw BZP	1
25	023-000269	Tie Bar	2
26	760-000098	Washer	2
27	033-000021	Deep Groove Ball Bearing	4
28	SCRW-M6x16mmBHSBZP	M6 x 16mm Hex Socket Button Head Screw BZP	2
29	046-000063	Carriage Arm Assembly	1
30	DOWL-6mmx55mm-TYPEA	Ø6mm x 55mm Plain Dowel Pin Type A	1
31	171-000125	Carriage Arm Knob	1
32	400-000110	Wing Knob Screw	1
33	184-000010	Wing Knob Insert	1
34	046-000049	Roller Carriage	1
35	033-000023	Deep Groove Ball Bearing	4
36	SCRW-M5x12mmCSKBZP	M5 x 12mm Hex Socket Countersunk Screw BZP	4
37	DOWL-5mmx50mm-TYPEB	Ø5mm x 50mm Plain Dowel Pin Type B	1
38	DOWL-8mmx30mm-TYPEB	Ø8mm x 30mm Plain Dowel Pin Type B	1
39	648-000093	Plunger	1
40	SPRI-S213	Spring	1
41	SCRW-M12x12mmCPGBZP	M12 x 12mm Hex Socket Cone Point Grub Screw BZP	1
42	SCRW-M6x25mmBHSBZP	M6 x 25mm Hex Socket Button Head Screw BZP	2
43	087-140010	Ø10mm External Circlip	1
44	760-000108	Ø10mm Narrow Flat Washer DIN433 BZP	1
45	087-140008	Ø8mm External Circlip	1
46	760-000109	Ø8mm Narrow Flat Washer DIN433 BZP	1

Ø250mm-710mm PrepMaster Multi



Component Part Numbers

ITEM NO.	Part No	Description	QTY
1	645-000262	Front Plate	1
2	023-000277	Rubbing Bar	2
3	SCRW-M6x25mmBHSBZP	M6 x 25mm Hex Socket Button Head Screw BZP	2
4	033-000030	Deep Groove Ball Bearing	2
5	645-000263	Back Plate	1
6	046-000044	Trolley	1
7	648-000091	Plunger	1
8	713-100033	Spring	1
9	171-000096	Trolley Engage Knob	1
10	657-000081	Plastic Cap	2
11	058-000027	M6 Stud	1
12	760-000080	M6 Plain Washer BZP	1
13	171-000124	Cutter Block Knob	1
14	042-000073	Cutter Block	1
15	174-000008	Cutter Holder	1
16	117-000291	Cutter	1
17	SCRW-M4x8mmCSKBZP	M4 x 8mm Hex Socket Countersunk Screw BZP	1
18	657-000082	Plastic Cap	1
19	171-000103	Cutter Carrier Knob	1
20	SPRI-S298	Spring	1
21	SELL-3mmx20mm-BZP	Ø3mm x 20mm Seloc Pin BZP	1
22	400-000104	Feed Screw	1
23	171-000104	Handle	1
24	SCRW-M8x8mmCPGBZP	M8 x 8mm Hex Socket Cone Point Grub Screw BZP	1
25	023-000266	Tie Bar	2
26	023-000267	Trolley Support Bar Lower	1
27	023-000268	Trolley Support Bar Upper	1
28	640-000067	Bearing Spacer Long	2
29	033-000021	Deep Groove Ball Bearing	4
30	SCRW-M8x20mmBHSBZP	M8 x 20mm Hex Socket Button Head Screw BZP	4
31	046-000070	Carriage Arm Assembly	1
32	DOWL-6mmx60mm-TYPEA	Ø6mm x 60mm Plain Dowel Pin Type A	1
33	171-000125	Carriage Arm Knob	1
34	400-000110	Wing Knob Screw	1
35	184-000010	Wing Knob Insert	4
36	046-000045	Roller Carriage	4
37	033-000023	Deep Groove Ball Bearing	1
38	SCRW-M6x20mmCSKBZP	M6 x 20mm Hex Socket Countersunk Screw BZP	1
39	DOWL-6mmx70mm-TYPEB	Ø6mm x 70mm Plain Dowel Pin Type B	1
40	DOWL-8mmx30mm-TYPEB	Ø8mm x 30mm Plain Dowel Pin Type B	1
41	648-000093	Plunger	1
42	SPRI-S213	Spring	1
43	SCRW-M12x12mmCPGBZP	M12 x 12mm Hex Socket Cone Point Grub Screw BZP	1
44	SCRW-M8x25mmBHSBZP	M8 x 25mm Hex Socket Button Head Screw BZP	4
45	087-140010	Ø10mm External Circlip	1
46	760-000108	Ø10mm Narrow Flat Washer DIN433 BZP	1
47	087-140008	Ø8mm External Circlip	1
48	760-000109	Ø8mm Narrow Flat Washer DIN433 BZP	1

Specification

Materials	
Mild Steel	070M20
Stainless Steel	S 303
Aluminium	6082 T6
Brass	SAE660

Finishes	
Mild Steel	Zinc Plate

Marking	
Aluminium Parts	Laser Etched

Weights & Dimensions	
700-000146	412mm x 147mm x 219mm x 3.0 Kg
700-000147	450mm x 166mm x 245mm x 4.0 Kg
700-000148	485mm x 166mm x 245mm x 4.2 Kg
700-000149	586mm x 237mm x 298mm x 8.2 Kg
045-000288	427mm x 159mm x 245mm x 3.2 Kg
045-000289	600mm x 370mm x 220mm x 4.0 Kg
045-000378	500mm x 183mm x 272mm x 4.5 Kg
045-000440	700mm x 530mm x 280mm x 8.0 Kg

Standards

The tool is designed and manufactured using the following design principles.

GIS/PL2-5: 2018
Specification for Polyethylene pipes and fittings for natural gas and suitable manufactured gas. Part 5: Electrofusion ancillary tooling.

WIS 4-32-08: 2016
Specification for the fusion jointing of polyethylene pressure pipeline systems using PE80 and PE100 materials.

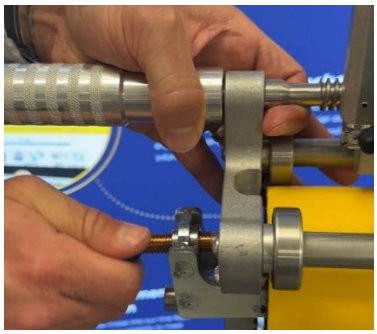
DVS Technical Code 2207-1: December 2016
Welding of thermoplastics. Heated tool welding of pipes, pipeline components and sheets made of PE-HD.

BS ISO 12176-2: 2025
Plastic pipes and fittings – Equipment for fusion jointing polyethylene systems. (Note – this specification is mainly for control units)

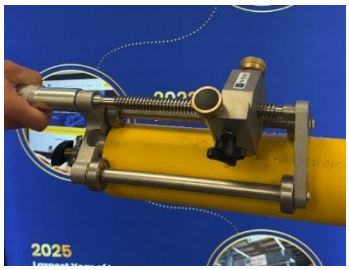
Operating Instructions:

Operation		
1		Ensure ALL maintenance and service checks have been carried out.
2		Check the pipe for any damage or abrasions that may be detrimental to the performance of the joint. Ensure the pipe ends to jointed are cut square to the axis and burrs removed. If required, wash down the pipe ends in excess of the area to be scraped to remove traces of dirt or mud. If using wet wipes, ensure they are in compliance with the relevant specification. Ensure the area to be scraped is dry before mounting scraper tool.
3		Using a marker pen, mark the desired final position of the end of the fitting. (Scraping should be carried out in excess of this penetration depth).
4		Release the Cutter Block Knob and slide the Cutter Block to the fully raised position and then tighten the Cutter Block Knob to lock the Cutter Block in this raised position. This ensures that the Cutter Block is out of the way when mounting the scraper on the pipe.

Operating Instructions:

Operation		
5		Release the Carriage Arm Knob. Mount the Scraping tool on the pipe; the 4 x Bearings should contact the outside diameter of the pipe and the Roller Carriage inserted into the bore of the pipe. The Carriage Arm should then be adjusted into position by pushing it up the Front Plate. The pipe scraper is mounted correctly when the 4 x Bearings are in contact with the inside wall of the pipe and the 4 x Bearings and in contact with the outside of the pipe wall. The Carriage Arm Knob should then be tightened; effectively clamping the scraping tool to the pipe wall. Ensure all 8 x Bearings (4 x inner and 4 x outer) are in good contact with the pipe by rotating the scraper one revolution.
6		Release the Trolley Engage Knob (1/4 turn) in order that the Trolley can traverse freely along the Feed screw. Set the position of the Trolley ensuring sufficient length of cut – in excess of the penetration depth (refer to point 3 above). Once the position of the Trolley is set, engage the Trolley back onto the Feed screw by turning Trolley Engage Knob (1/4 turn).
7		Rotate Cutter Carrier Knob (1/4 turn) to raise the Cutter Insert Holder to the ‘up’ position.

Operating Instructions:

Operation		
8		Release the Cutter Block Knob and slide the Cutter Block downwards so that the Cutter Blade is in contact with the pipe. Lock the Cutter Block Knob in this position.
9		Rotate Cutter Carrier Knob (1/4 turn) to effectively apply spring tension to the Cutter Holder, thus causing the Cutter Blade to engage into the pipe wall.
10		Hold the Handle and manually rotate the scraper tool around the pipe in a clockwise direction.
11		The Trolley will begin to traverse on the Feed screw and swarf can be seen to be generated as the Cutter Blade scrapes the pipe. It is possible to halt the process periodically to remove the surplus swarf.

Operating Instructions:

Operation		
12		Continue to rotate the scraping tool until the Cutter Blade has reached the very end of the pipe. The scraping tool can then be dismounted from the pipe taking care not to touch or contaminate the scraped surface.
13		To dismount; release the Cutter Block Knob and slide the Cutter Block to the fully raised position and then tighten the Cutter Block Knob to lock the Cutter Block in this raised position. This ensures that the Cutter Block is out of the way when dismounting the scraper from the pipe.
14		Release the Carriage Arm Knob and slide the Carriage Arm down the Front Plate towards the centre of the pipe to effectively release the pipe scraper from the pipe. Carefully dismount the pipe scraper from the pipe.

Product Calibration

This product has no calibration requirement. Periodic safety inspections should be carried out by the operator if in any doubt please contact the manufacturer for further information.

Storage and Maintenance

- When the tool is not in use, always store in the plastic storage case.
- Ensure the tool is stored in a clean condition, free of dirt and mud.
- Before storing, ensure the Cutter spring tension is released. i.e. rotate Cutter Carrier Knob (1/4 turn) in order that the Cutter Holder is in the low/engaged position.
- Lubricate all moving parts on a periodic basis.

Service Schedule

Before each use
Visual check

CE

EC DECLARATION OF CONFORMITY

1. Product description: Mechanical Rotary PE Pipe Scraping Tool

   Make: Hy-Ram
   Type: PrepMaster Multi

2. Manufactured by: Hy-Ram Engineering Co. Ltd., Pelham Street, Mansfield, Nottinghamshire, NG18 2EY.
3. This declaration is issued under the sole responsibility of the manufacturer.
4. The manufacture declares that the following machinery complies with the essential health and safety requirements of the Machinery Directive 2006/42/EC enacted in the United Kingdom by The Supply of Machinery (Safety) Regulations 2008.
5. This machinery has been designed and manufactured in accordance with the following transposed harmonised European standards or references to the other technical specifications in relation to which conformity is declared. The machinery complies with or is designed and manufactured so far as is possible to comply with the relevant essential health and safety requirements, taking into account the state of threat.

   - BS EN ISO 12100:2010 Safety of Machinery - General principles for design. Risk assessment and risk reduction.
   - BS EN ISO 13857:2008 Safety of Machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs.
   - BS EN 349:1993+A1:2008 Safety of Machinery – Minimum gaps to avoid crushing of parts of the human body.
   - GIS/PL2-5: 2018 Electrofusion ancillary tooling
   - WIS 4-32-08: 2016 Specification for the fusion jointing of polyethylene pressure pipeline systems using PE80 and PE100 materials.

6. A technical construction file for this machinery is retained at the address of the manufacturer stated above. Modifications to the equipment without prior written approval by the undersigned will render this declaration null and void.
7. The manufacturer applied the procedure for assessment of conformity with internal checks on manufacture. A conformity assessment body was not involved.
8. The technical documentation for the machinery is retained at the address of the manufacturer stated above.
9. Modifications to the equipment without prior written approval by the undersigned will render this declaration null and void.

For and on behalf of the manufacturer:
[Authorised representative of Hy-Ram Engineering Co Ltd].

Signature: *L Bullock-Jones*

Name: Lee Bullock Jones
Position: Technical Director
Date: 18th September 2026

Signature of this Declaration of Conformity authorises the manufacturer or his authorised representative to affix the CE mark to the equipment.

UK DECLARATION OF CONFORMITY

1. Product description: Mechanical Rotary PE Pipe Scraping Tool

   Make: Hy-Ram
   Type: PrepMaster Multi

2. Manufactured by: Hy-Ram Engineering Co. Ltd., Pelham Street, Mansfield, Nottinghamshire, NG18 2EY.
3. This declaration is issued under the sole responsibility of the manufacturer.
4. The manufacture declares that the following machinery complies with the essential health and safety requirements of the Machinery Directive 2006/42/EC enacted in the United Kingdom by The Supply of Machinery (Safety) Regulations 2008.
5. This machinery has been designed and manufactured in accordance with the following transposed harmonised European standards or references to the other technical specifications in relation to which conformity is declared. The machinery complies with or is designed and manufactured so far as is possible to comply with the relevant essential health and safety requirements, taking into account the state of threat.

   - BS EN ISO 12100:2010 Safety of Machinery - General principles for design. Risk assessment and risk reduction.
   - BS EN ISO 13857:2008 Safety of Machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs.
   - BS EN 349:1993+A1:2008 Safety of Machinery – Minimum gaps to avoid crushing of parts of the human body.
   - GIS/PL2-5: 2018 Electrofusion ancillary tooling
   - WIS 4-32-08: 2016 Specification for the fusion jointing of polyethylene pressure pipeline systems using PE80 and PE100 materials.

6. A technical construction file for this machinery is retained at the address of the manufacturer stated above. Modifications to the equipment without prior written approval by the undersigned will render this declaration null and void.
7. The manufacturer applied the procedure for assessment of conformity with internal checks on manufacture. A conformity assessment body was not involved.
8. The technical documentation for the machinery is retained at the address of the manufacturer stated above.
9. Modifications to the equipment without prior written approval by the undersigned will render this declaration null and void.

For and on behalf of the manufacturer:
[Authorised representative of Hy-Ram Engineering Co Ltd].

Signature: *L Bullock-Jones*

Name: Lee Bullock Jones
Position: Technical Director
Date: 18th September 2026

Signature of this Declaration of Conformity authorises the manufacturer or his authorised representative to affix the CE mark to the equipment.

Hy-Ram Engineering

Pipe tool and equipment expertise

Certificate of Conformity

This Certificate of Conformity certifies that the product detailed below has been designed, manufactured, inspected, and tested in accordance with our NQA approved:

Quality Management System ISO 9001:2015
Environmental Management System ISO 14001:2015
Occupational Health & Safety Management System ISO 45001: 2018

Product:
PrepMaster Multi

The product conforms to the following standards:

Safety of Machinery BS EN ISO 12100:2010 Safety of Machinery
General principles for design. Risk assessment and risk reduction.

GIS/PL2- 5: 2018 Electrofusion ancillary tooling
This unit is design and manufactured to meet the requirements of National Grid Gas Industry Standards.

WIS 4-32-08: 2016
Specification for the fusion jointing of polyethylene pressure pipeline systems using PE80 and PE100 materials.

Date: **18th September 2026**

Note! This product has no calibration period and periodic safety inspections should be carried out by the operator.
For further information contact the manufacturer. www.hyram.com

L Bullock-Jones
Lee Bullock Jones
Technical Director

PRODUCT CONFORMITY Hy-Ram Engineering Mansfield, England U.K.

Hy-Ram Engineering Co. Ltd.
Pelham Street
Mansfield
Nottinghamshire
NG18 2EY

Certificate of calibration

- This product has been designed, manufactured, inspected, and tested in accordance with our NQA ISO 9001:2015, NQA ISO 14001:2015 and ISO 45001:2018 systems.

Decommissioning & Disposal Instructions

- If a Hy-Ram product has reached the end of its useful working life dispose through a licensed scrap or waste disposal facility.
- Decommissioning and disposal are the responsibility of the customer. Take the product out of service safely and in compliance with essential Health and Safety requirements.

Warranty.

Extent of Warranty.

In the case that this product does not meet quality or performance expectations then Hy-Ram will replace the product to the customer's satisfaction. Hy-Ram will guarantee this product against breakage or defective workmanship for one year.

This guarantee is not valid in cases of abuse or exceptional damage beyond reasonable expectations or where incorrect use, or care of the product has occurred as described in the user manual and instructions. Additionally, the guarantee is not valid in cases of unauthorised modification, misuse, or any use not in accordance with the operating manual and good industry practice, operation outside the products specifications, improper site preparation or maintenance or when using with faulty pipe or fittings. Hy-Ram does not warrant the operation of any product to be uninterrupted or error free.

Any warranty or condition implied by law, shall be the replacement or parts, without charge, which are defective in material or workmanship, and which have not been misused, carelessly handled, or mis-repaired by persons other than the manufacturer or an Authorised Service Centre.

Hy-Ram Engineering Co Ltd offer a 1 year from date of despatch warranty only against defects in workmanship and materials. This limited warranty does not apply to any refurbished or reconditioned equipment and is non-transferable and subject to the conditions and limitations set forth herein. The standard Terms and Conditions of trade form part of this warranty.

Hy-Ram Engineering Co Ltd will, at its option, repair or replace (with a new or reconditioned unit of like condition).

All warranty work will be by Hy-Ram Engineering Co Ltd unless otherwise agreed or by authorised Hy-Ram Engineering Co Ltd service facilities.

If replacement parts are used in making repairs, these parts may be remanufactured or contain remanufactured materials.

In returning the product for repair, send in its original packaging or in packaging offering a sufficient degree of protection. With the product must be evidence of the date of purchase (see also the form at the rear of this document). Hy-Ram will not be responsible for any loss or damage incurred in connection with the return of the product. To the extent that this warranty statement is inconsistent with the law of the locality where the customer uses the product, this warranty statement shall be deemed modified by the minimum necessary to be consistent with such local

law. To the extent allowed by local law, the remedies provided in this warranty statement are the customer's sole and exclusive remedies. This tool has been designed for the range of pipe and fittings commercially available at the time of its design and development. Hy-Ram Engineering Co Ltd can accept no liability for the unit's ability or otherwise to work with new or different fittings that are subsequently introduced to the market.
The foregoing limited warranty is Hy-Ram Engineering's only warranty with respect to the product and Hy-Ram makes no other warranty whatsoever, written, or oral, express, or implied, regarding the product, including without limitation any warranty of merchantability, fitness for a particular purpose or non-infringement. In no event will Hy-Ram or its authorised dealers be liable for any loss of profits or special, consequential, or incidental damages even if such damages result from negligence or other fault.

Upon purchase, please complete the original purchase record below and keep it safely with your proof of purchase receipt. You will require it for any warranty claim.

Product Record (for any warranty claim)	
Company name and location	
Date of purchase	
Name and address of purchaser	
Type of tool	**PrepMaster Multi**
Serial number (if applicable)	

Annex

Note: Hy-Ram Engineering Co. Ltd. operate a policy of continual improvement and therefore reserves the right to modify product specifications without notice.

Revision Table

Version	Details	Section / Page	Date
V1.26	Original version	-	18th September 2026

Manual Handling

Please see the UK Health and Safety Executive for further guidelines regarding Manual Handling best practice.

- https://www.hse.gov.uk/msd/manual-handling/index.htm

Contact Hy-Ram

For service and repair please contact:

Hy-Ram Engineering Co. Ltd.
Pelham Street
Mansfield
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NG18 2EY
Tel: +44 (0)1623 422982
www.hyram.com

Hy-Ram Engineering



For Sales, Hire and Repair support contact our admin team or scan the QR code for further details

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