

KMT Genuine Parts

Your business is worth it.





Order Online Now!
www.ahbinc.com

If you do not already have a kmtgenuineparts.com log-in, you will need to first call KMT Customer Service at 800-991-4225, and they will be happy to set you up with your personalized log-in information.

- Toll Free Order-line: **800-991-4225**
- E-mail: **customerservice@ahbinc.com**

Please make a note of your pump model number(s) and serial number(s) for future reference when ordering:

Model #:

Serial #:



KMT Waterjet

Over 40 years ago the very first commercial installation of a waterjet cutting system began operation using a KMT intensifier. Since then, KMT intensifiers with KMT Genuine Parts have served customers reliably across many industries, including yours.

KMT Genuine Parts are manufactured in the USA to the exact standards as the original parts found on new KMT pumps. Our expertise and operating experience extends from the original SL-I operating at 55,000 psi all the way to today's industry-leading KMT PRO intensifier cutting at 90,000 psi. No other provider has this breadth of experience and you can rest assured that your KMT intensifier will operate at peak performance when you use KMT Genuine Parts.

Benefits of KMT Genuine Parts:

- Robust quality control inspection process to ensure superior fit and durability
- Manufactured to precise specifications best suited for your KMT intensifier
- Improvements made to KMT intensifiers are incorporated into KMT Genuine Parts
- KMT Customer Service and Technical Support is available 24/7 and most parts ship same-day when ordered before 4PM Central.

Remember to use KMT Genuine Parts to maintain your intensifier warranty and ensure that your investment pays off over the long-term. The use of imitation parts will void warranty coverage, compromise safety and may result in reduced component lifetime.

Decades of precision manufacturing and engineering experience, proprietary manufacturing processes and patented technology make KMT Genuine Parts an exceptional value – your business is worth it.

Steve Davis
Director Aftermarket Business

KMT Waterjet Preventive Maintenance

Experienced Support for Maximum Performance and Reliability.

KMT Service Technicians provide the waterjet industry's best technical support averaging over 15 years of waterjet experience. KMT offers a Preventive Maintenance (PM) Program which provides a 65 Point Comprehensive Inspection for your KMT pumps, parts and components.

Benefits of the KMT PM Program

- Improves operational performance, efficiency and dependability.
- Enable end users to focus resources on core business.
- Minimize maintenance costs.
- Reduce down times.
- Improve parts life & reduce down time with proper seal replacements.

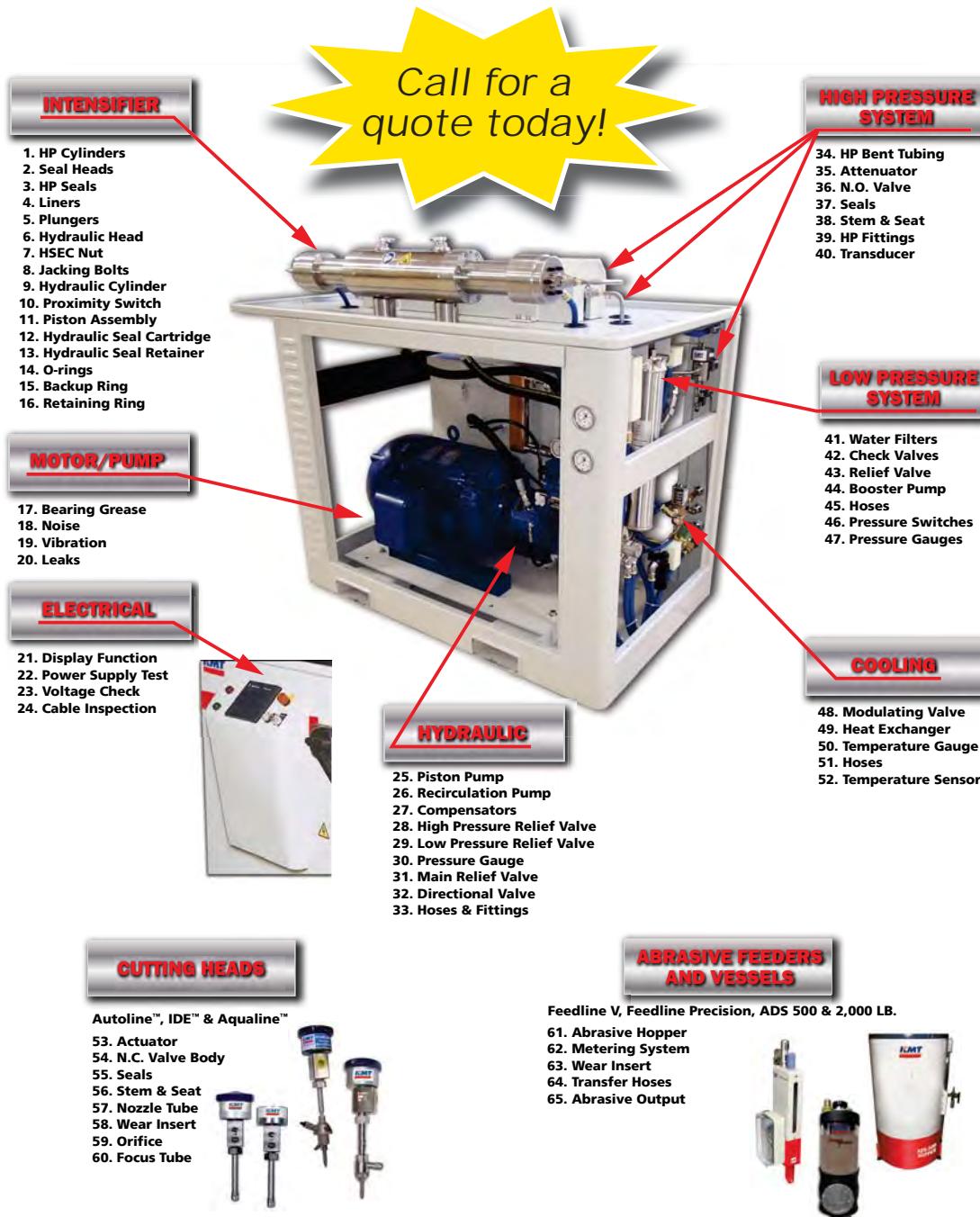


TABLE OF CONTENTS

CUTTING HEADS

Autoline® PRO Assembly	12
IDE® PRO Assembly	12
Autoline® II Assembly	12
IDE® II Assembly	13
Autoline® I Assembly	13

CUTTING HEAD REPLACEMENT PARTS

Autoline® Caps	17
Autoline® Bodies	17
Autoline® Wear Inserts	17-18
Autoline® PRO Wear Inserts	18
Autoline® Spare Parts Kits	18
Abrasive Feed Tube Adapters	19
Abrasive Feed Tube Assembly	19
Autoline® Knob Retainers	19
Autoline® Abrasive Guard	19
IDE® Retaining Nut	20
Collet	20
HP Short Stop Adapter Assembly.....	20

ORIFICES - ABRASIVE, WATER ONLY & FOODgrade™

Autoline® I & Autoline® II Diamond	22
Water Only Diamond & Sapphire	23
UHP Water Only Diamond	24
FOODgrade™ Diamond	25

FOCUSING TUBES

Roctec 100	26
Roctec IRWJ-200	26
Roctec 500	26
PRO® Series Indexed	26

PNEUMATIC CONTROL VALVES

HP Pneumatic Valve/Actuator Assembly	28
UHP Pneumatic Valve/Actuator Assembly	28

*TEXT SHOWN IN BLUE DENOTES
STREAMLINE PRO® 90,000 PSI
ULTRA HIGH PRESSURE PARTS



PNEUMATIC CONTROL VALVE REPLACEMENT PARTS

HP Repair Kits	29
UHP Repair Kits	29
Actuator Tool Kit	30
Seal Tool Kit	30
Solenoid Valve	30
HP Pneumatic Valve Bodies	30
UHP Pneumatic Valve Bodies	31
HP Actuators	31
UHP Actuators	31
Backup Rings	32
HP Nozzle Nut	32
Valve Gland	32
Compression Spring	32
HP Collar	33
Adapters	33
Coupling Pipe	33
HP Bushing Assembly	33
HP Gland - Anti-Vibration	33

CUTTING HEAD NOZZLE TUBES

3/8 High Pressure	34
3/8 High Pressure/Nozzle Nut	34
3/8 High Pressure/Nozzle Nut/HP Connection	34
9/16 High Pressure	35
9/16 High Pressure/Nozzle Nut	35
3/4 High Pressure for IDE Cutting Head	35
3/4 UHP Short Stop Filter Connection	36

ABRASIVE METERING SYSTEMS

EZ Feedline®	38
Feedline Precision®	38
Feedline V®	38
PVC Tubing	38



MEASUREMENT CALCULATOR:

.25 = 1/4 inch	.56 = 9/16 inch
.38 = 3/8 inch	.75 = 3/4 inch

TABLE OF CONTENTS

HIGH PRESSURE FITTINGS

HP Coupling Assembly	40
UHP Coupling Assembly	40
HP Elbow Assembly	40
UHP Elbow Assembly	40
HP Tee Assembly	41
UHP Tee Assembly	41
HP Cross Assembly	41
UHP Cross Assembly	41
HP Bushing Assembly	42
UHP Bushing Assembly	42
HP Collar Assembly	42
UHP Collar Assembly	42
HP Gland	43
UHP Gland	43
HP Adapter Cone	43
UHP Adapter Cone	43
HP Plug	44
UHP Plug	44
HP Hand Valve, Straight	44
UHP Hand Valve, Straight	44
HP Hand Valve, 90 Degree	45
UHP Hand Valve, 90 Degree	45
HP Hand Valve, 3 Way, 1 Press	45

TUBING - STAINLESS STEEL

HP Tube 66,000 psi, Coned & Threaded	46
UHP Tube 100,000 psi, Coned & Threaded	47
HP Hose Ferrule	48
HP Conduit	48

NOTE: HP & UHP STAINLESS STEEL BENT TUBING IS INTENSIFIER MODEL SPECIFIC. PLEASE CONTACT KMT GENUINE PARTS CUSTOMER SERVICE FOR ORDERING ASSISTANCE @ 800-991-4225.

NOTE: HP & UHP COILS ARE ROBOT SPECIFIC. PLEASE CONTACT KMT GENUINE PARTS CUSTOMER SERVICE FOR ORDERING ASSISTANCE @ 800-991-4225.

HP & UHP STAINLESS STEEL STRAIGHT TUBING IS SOLD IN RANDOM LENGTHS. PLEASE CONTACT KMT CUSTOMER SERVICE FOR ORDERING ASSISTANCE @ 800-991-4225.

SWIVEL JOINT ASSEMBLIES

Repair Kits	49
UHP Repair Kits	49
HP Spindle	50
UHP Spindle	50
HP Straight	50
UHP Straight	50
HP 90 Degree	51
UHP 90 Degree	51
HP Cap Assembly	51
HP Body - Straight	51
UHP Body - Straight	51
HP Body - 90 Degree.....	52
UHP Body - 90 Degree	52
HP Bushing	52
UHP Thrust Bearing	52
HP Seal Assembly	52
UHP Seal Assembly	52
HP Clamp Collar	52
HP Thrust Washer	52

INLINE WATER FILTERS

HP Filter Element	53
UHP Filter Element	53
HP Water Filter Assembly	53
UHP Water Filter Assembly	54
Bayonet Nipple	54

*TEXT SHOWN IN BLUE DENOTES
STREAMLINE PRO® 90,000 PSI
ULTRA HIGH PRESSURE PARTS



TABLE OF CONTENTS

TOPWORKS REPLACEMENT PARTS

Hydraulic Piston Repair Kit	57
HP Cylinder Repair Kits	57
HP Seal Assembly	58
UHP Seal Assembly	58
HP Cylinder Seal Assembly	59
Proximity Switch Kits	59
Hydraulic Cylinder	60
Hydraulic Cylinder Heads	60
HP Pump Plungers	61
HP Cylinder Liners	61
UHP Cylinder Liners	61
HP Backup Rings	62
UHP Backup Rings	62
Hydraulic Cartridge Seal Assembly	62
Hydraulic Piston Assembly	62
Hydraulic Piston Seal Assembly	63
Packing Rings	63
Hydraulic Piston Bearing	63
HP Cylinders	63-64
UHP Cylinders	64
HP Cylinder Head	64
HP Cylinder Assembly	65
HP Cylinder Nuts	65
HP Packing Follower	65
Bushing Retainer Flange	66
Retaining Ring	66
Jackbolt	66
HP Attenuator Assembly	66

SEALING HEAD REPLACEMENT PARTS

HP Check Valve Repair Kits	68
UHP Check Valve Repair Kits	69
HP Seal Assembly	69
Check Valve - LP/HP Pump	69
Check Valve Body	69
HP Sealing Head Assembly	70
UHP Sealing Head Assembly	70
HP Sealing Head	71
UHP Sealing Head	71
HP Check Valve Gland Nuts	72
UHP Check Valve Glands Nuts	72
HP Sealing Head Spacers	72

LOW PRESSURE WATER SYSTEMS

Filter Housing Assembly	75
Filter Element	75
Filter Strainer	75
Vane Pumps	75
Water Modulating Valve	75

HYDRAULIC SYSTEM

Filter Element	76
Pressure Gauge	76
Knob Adjuster - Pressure Relief	76
Directional Control Valve Assembly	76

O-RINGS

Sealing Head	76
Topworks	77
Inline Filter	77
Pneumatic Valves	78
Cutting Heads	78

*TEXT SHOWN IN BLUE DENOTES
STREAMLINE PRO® 90,000 PSI
ULTRA HIGH PRESSURE PARTS



TABLE OF CONTENTS

HOSES

Polyurethane Tubing	79
Push-on Hose	79
PVC Tubing	79
Flexible Tubing	79

GAUGES

Hydraulic Gauges	79
Water Pressure Gauges	79

ELECTRICAL

Proximity Switch Kits	80
Conduit	80
Solenoid Valves	80
Output Module	80
Inlet Pressure Switch	80
Directional Control Valve Assembly	80-81
Light Bulbs	81
Pressure Transducers	81
Pico Fuse	81
Hose - Ferrule	81

MAINTENANCE TOOLS - TOPWORKS

Cylinder Wrench	82
HP Seal Removal Tool	82
Hydraulic Tensioner Assembly	82
Plate Glass Pane	82
Cylinder Clamp	82
Plunger Removal Tool	82
Crowfoot Wrench	82
Vee Block Cradle	82
HP Seal Removal Tool Stand	82
End Cap Wrench	83
Emory Cloth	83

MAINTENANCE TOOLS - LUBRICANTS

Pure Goop Thread Lubricant	83
NLGI-2 Swivel Grease	83
FML-2 Grease	83
Super-O-Lube O-Ring Grease	83
Threadlocker Adhesive	83
Threadlocker Primer	83
JL-M Thread Lubricant	83

MAINTENANCE TOOLS - CONING & THREADING

Tool Kits	84
Blades	84
Retainers	84
Tube Vise	84
HP Coning Tool Assembly	85
HP Threading Tool Assembly	85
Threading Die	86
Collet	86

MAINTENANCE TOOLS - PNEUMATIC VALVES

Seal Tool Kits	86
Kit - Actuator Assembly	86
Seal Positioning Tool	86

MANUALS

Operations & Maintenance Manual for SL-V 30	87
Operations & Maintenance Manual for SL-V 50	87
Operations & Maintenance Manual for SL-V 60	87
Operations & Maintenance Manual for SL-V 75	87
Operations & Maintenance Manual for S-30	87
Operations & Maintenance Manual for PRO® 60	87
Operations & Maintenance Manual for SL-V 15	87
Operations & Maintenance Manual for S-50	87
Operations & Maintenance Manual for PRO® 125	87

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STREAMLINE PRO® 90,000 PSI
ULTRA HIGH PRESSURE PARTS





CUTTING HEADS

Precise alignment of cutting head components is what ensures maximum component life and greatest productivity. KMT cutting heads are precision manufactured and precision aligned in our laboratory using proprietary alignment techniques to ensure the very best cutting performance. Dollar for dollar, KMT delivers the best value for your cutting needs on any waterjet system.

KMT Cutting Heads are:

- **The result of over 40 years of cutting experience – longer than any other manufacturer**
- **Rated best in the industry by independent university testing**
- **The best solution for your cutting needs – available in multiple orifice sizes**

For maximum performance and value on any KMT pump and those manufactured by other OEMs, install a KMT cutting head.

DESCRIPTION

PART NO.

AUTOLINE® PRO ASSEMBLY 90,000 psi, .75 UHP (Orifice Assembly & Focusing Tube Not Included)	20480707	
IDE® PRO ASSEMBLY 90,000 PSI		
Diamond Orifice		
.07	20481407	
.08	20481408	
.09	20481409	
.10	20481410	
.11	20481411	
.12	20481412	
.13	20481413	
.14	20481414	
.15	20481415	
.16	20481416	
.18	20481418	
AUTOLINE® II ASSEMBLY 60,000 psi		
.030 wear insert, .38 HP (Diamond & Focusing Tube Not Included)	20453949	
.043 wear insert, .38 HP (Diamond & Focusing Tube Not Included)	20454108	

DESCRIPTION**PART NO.****IDE® II ASSEMBLY**

60,000 psi

Diamond Orifice

0.007	20477959007
0.008	20477959008
0.009	20477959009
0.010	20477959010
0.011	20477959011
0.012	20477959012
0.013	20477959013
0.014	20477959014
0.016	20477959016
0.018	20477959018



Diamond Orifice & Short Stop Filter

0.007	20477950007
0.008	20477950008
0.009	20477950009
0.010	20477950010
0.011	20477950011
0.012	20477950012
0.013	20477950013
0.014	20477950014
0.016	20477950016
0.018	20477950018

**AUTOLINE® I ASSEMBLY**

60,000 psi, .030 wear insert, .38 HP

(Diamond & Focusing Tube Not Included)

05078530



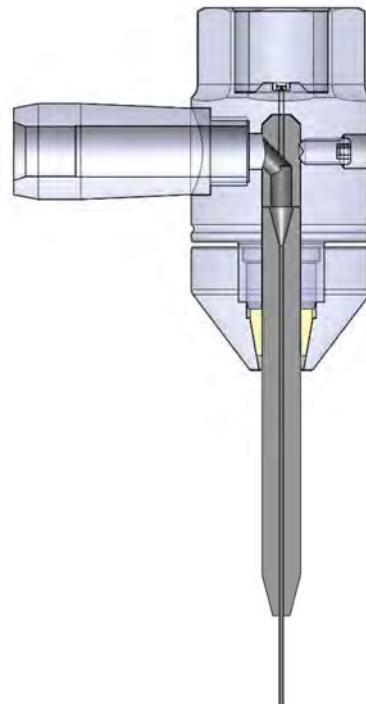
**FOR COMPLETE CUTTING HEAD ASSEMBLIES, PLEASE
CALL KMT CUSTOMER SERVICE AT 800-826-9274.**



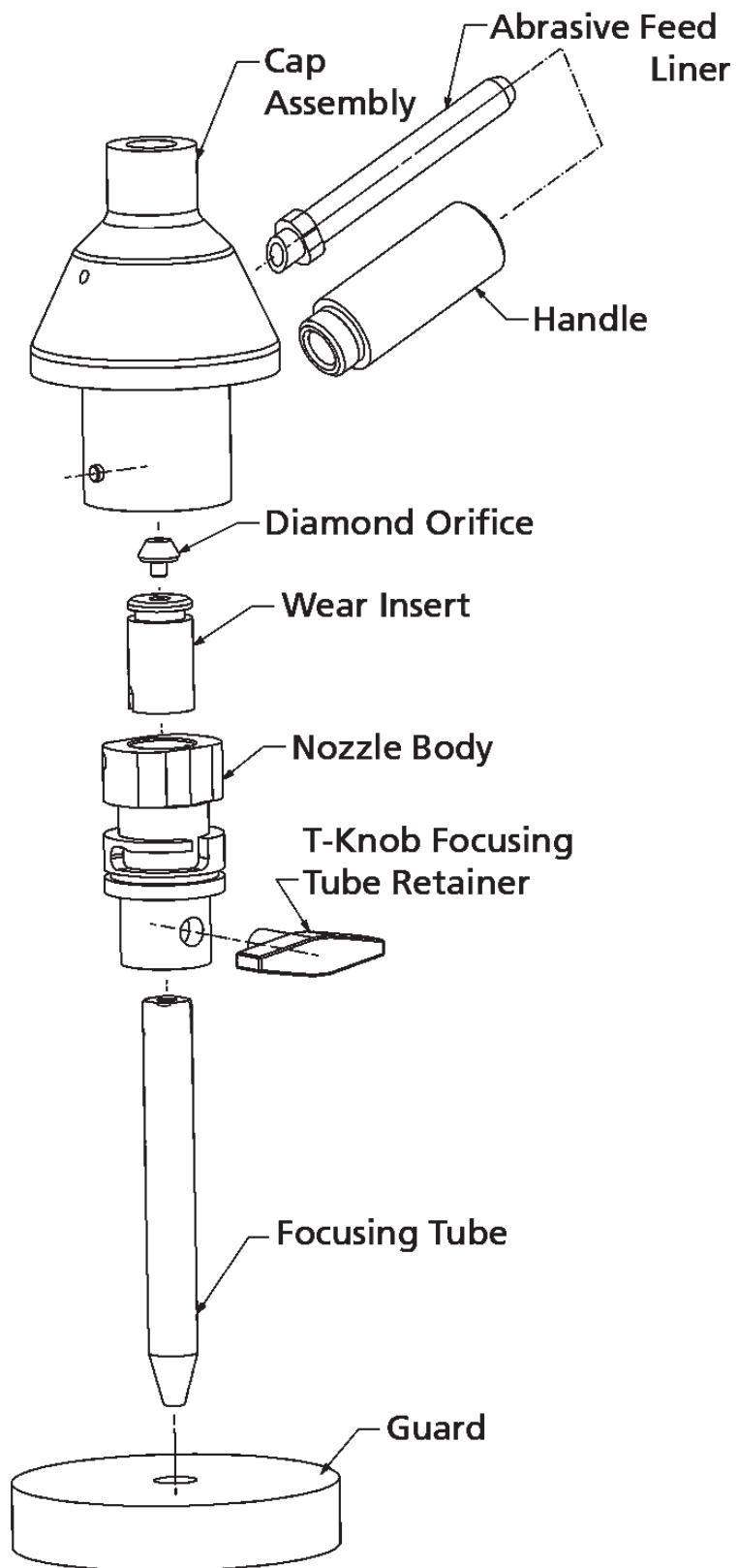
CUTTING HEAD REPLACEMENT PARTS



KMT's Autoline® & IDE® cutting heads include patented designs, engineered and manufactured to deliver the best cutting performance in the industry. Ensure you cut with the greatest value & speed by using KMT Genuine Parts.



AUTOLINE® CUTTING HEAD ASSEMBLY COMPONENTS



DESCRIPTION**PART NO.****CAP**

AutoLine® I - 60,000 psi, .38 HP

05076971

AutoLine® II - 60,000 psi, .38 HP

20453952

Autoline® PRO - 90,000 psi, .75 UHP

20480732

**BODY**

AutoLine® I - 60,000 psi

05073820

AutoLine® II - 60,000 psi

20453958

Autoline® PRO - 90,000 psi

20480715

**WEAR INSERTS**

AutoLine® I - 60,000 psi

.030, 45° Inlet, Tungsten Carbide

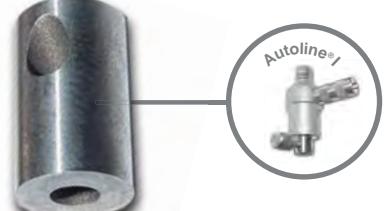
05076955

.043, 45° Inlet, Tungsten Carbide

05135827

.052, 45° Inlet, Tungsten Carbide

20442434



DESCRIPTION

PART NO.

PART FITS ON:

WEAR INSERTS		
AutoLine® II - 60,000 psi		
.030, 25° Inlet	20453064	 
.043, 25° Inlet	20453082	
.054, 25° Inlet	20454339	
Autoline® PRO - 90,000 psi	20458242	 
SPARE PARTS KITS		
AutoLine® I - 60,000 psi Kit includes the setscrew and o-rings to service any AutoLine® I assembly.	05077367	 
AutoLine® II - 60,000 psi Kit includes the setscrew and o-rings to service any AutoLine® II assembly.	20454129	 
AutoLine® PRO - 90,000 psi Kit includes the setscrew and o-rings to service any AutoLine® PRO assembly.	20479589	 

DESCRIPTION

PART NO.

ABRASIVE FEED TUBE ADAPTERS

AutoLine® I, Stainless Steel

05076989

Autoline® II & Autoline® PRO,
Stainless Steel

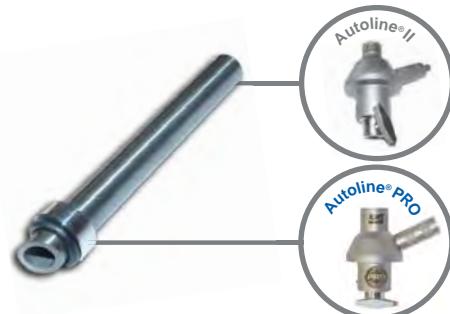
20453973



ABRASIVE FEED TUBE ASSEMBLY

AutoLine® II and AutoLine® PRO

20453964



KNOB RETAINER

Autoline® I, Stainless Steel

05078712

Autoline® II and Autoline® PRO, T-Handle, Stainless Steel

20453976



ABRASIVE GUARD

Autoline®, Autoline® II and Autoline® PRO

05087168



DESCRIPTION

PART NO.

PART FITS ON:**IDE® RETAINING NUT****.38, Stainless Steel**

Used with IDE® II and IDE® PRO cutting heads.

20454342

**FOCUSING TUBE RETAINING COLLET****.373 ID, Brass**

Retaining ring for IDE® II and IDE® PRO cutting heads.

20454345

**SHORT STOP ADAPTER ASSEMBLY**

60,000 psi. Required when incorporating an IDE® II cutting head into an existing system with a KMT pneumatic valve.

.38 M x .25 F, High Pressure Tubing

20454363

**.38 M x .38 F, High Pressure Tubing**

20454366





ORIFICES & FOCUSING TUBES

KMT's proprietary diamond orifice mounting & alignment processes deliver a truly superior cutting stream, resulting in longer focus tube life and faster cutting. All of our diamond abrasive cutting orifices are tested in-house to assure the KMT quality you expect.

For water-only cutting try the KMT FOODgrade™ diamond orifice with a longer coherent cutting stream, exclusively from KMT. Call for details.

KMT offers focusing tubes in a variety of materials, prices and sizes to match your cutting needs from leading manufacturers Kennametal and Ceratizit.

KMT Genuine Parts
Your business is worth it.

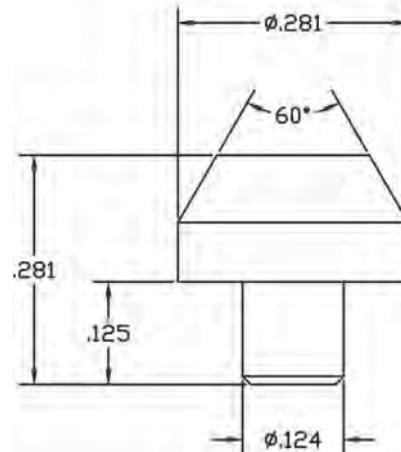
DESCRIPTION

PART NO.

ORIFICES FOR ABRASIVE CUTTING

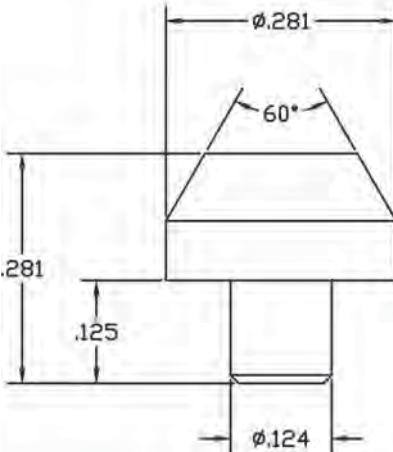
Diamond, 60,000 psi, Autoline® I & II
For True Alignment & Maximum Performance.

.004 (.102)	20448625
.007 (.178)	05063847
.008 (.203)	05112537
.009 (.229)	05084504
.010 (.254)	05077029
.011 (.279)	05101753
.012 (.305)	05077300
.013 (.330)	05136098
.014 (.356)	05077037
.015 (.381)	80075781
.016 (.406)	05121512
.018 (.457)	05114905
.019 (.482)	80086663
.020 (.508)	05114897

**ORIFICES FOR ABRASIVE CUTTING**

Sapphire, 60,000 psi, Autoline® I & II

.007 (.178)	05109079
.008 (.203)	05109087
.009 (.229)	05109095
.010 (.254)	05109103
.011 (.279)	05109111
.012 (.305)	05109129
.013 (.330)	20412569
.014 (.356)	05109137
.016 (.406)	20448541
.018 (.457)	05114913
.019 (.482)	80086671
.020 (.508)	05114921



ORIFICES - WATER ONLY

FOCUSING TUBES

PNEUMATIC VALVES

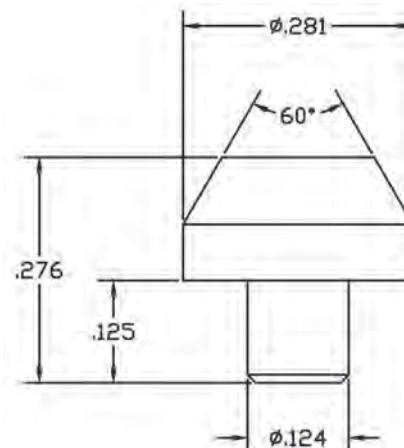
DESCRIPTION

PART NO.

ORIFICES FOR WATER ONLY CUTTING

Diamond, 60,000 psi

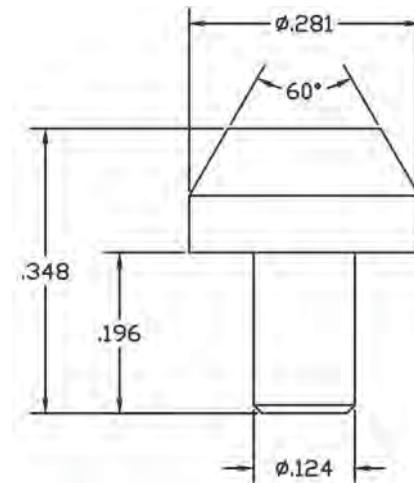
.003 (.076)	49888852
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.005 (.127)	49888878
.006 (.152)	49888886
.007 (.178)	49888894
.008 (.203)	49888902
.009 (.229)	49888910
.010 (.254)	49888928
.012 (.305)	49888936
.013 (.330)	49836786
.014 (.356)	49888944
.015 (.381)	49888951
.016 (.406)	49888969
.018 (.457)	49888977
.019 (.483)	20436198
.020 (.508)	49888985
.022 (.559)	49888993



ORIFICES FOR WATER ONLY CUTTING

Sapphire, 60,000 psi

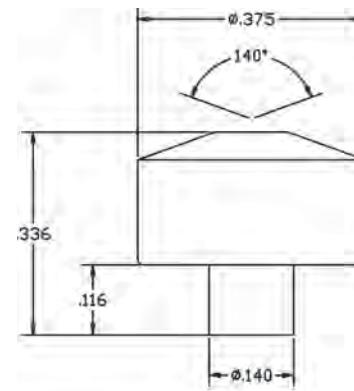
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.004 (.102)	A2260004
.005 (.152)	A2260005
.006 (.178)	A2260006
.007 (.178)	A2260007
.008 (.203)	A2260008
.009 (.229)	A2260009
.010 (.254)	A2260010
.011 (.279)	A2260011
.012 (.305)	A2260012
.013 (.330)	A2260013
.014 (.356)	A2260014
.015 (.381)	A2260015
.016 (.406)	A2260016
.018 (.457)	A2260018
.019 (.483)	A2260019
.020 (.508)	A2260020
.022 (.559)	A2260022



ORIFICES FOR WATER ONLY CUTTING

Diamond, 90,000 psi

.004 (.102)	20481704
.005 (.127)	20481705
.006 (.152)	20481706
.007 (.178)	20481707
.008 (.203)	20481708
.009 (.229)	20481709
.010 (.254)	20481710
.011 (.279)	20481711
.012 (.305)	20481712
.013 (.330)	20481713
.014 (.356)	20481714
.015 (.381)	20481715
.016 (.406)	20481716
.017 (.432)	20481717
.018 (.457)	20481718
.019 (.483)	20481719
.020 (.508)	20481720
.021 (.533)	20481721
.022 (.559)	20481722



DESCRIPTION

PART NO.

FOODgrade™ ORIFICES FOR WATER ONLY CUTTING

Diamond, 60,000 psi

.005 (.152)

72113688

.006 (.178)

72132350

.007 (.178)

72113680

.008 (.203)

72132358

.009 (.229)

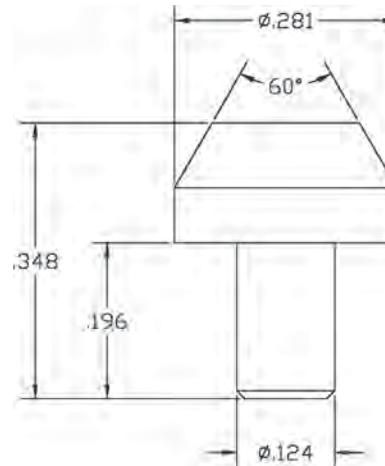
72136231

.010 (.254)

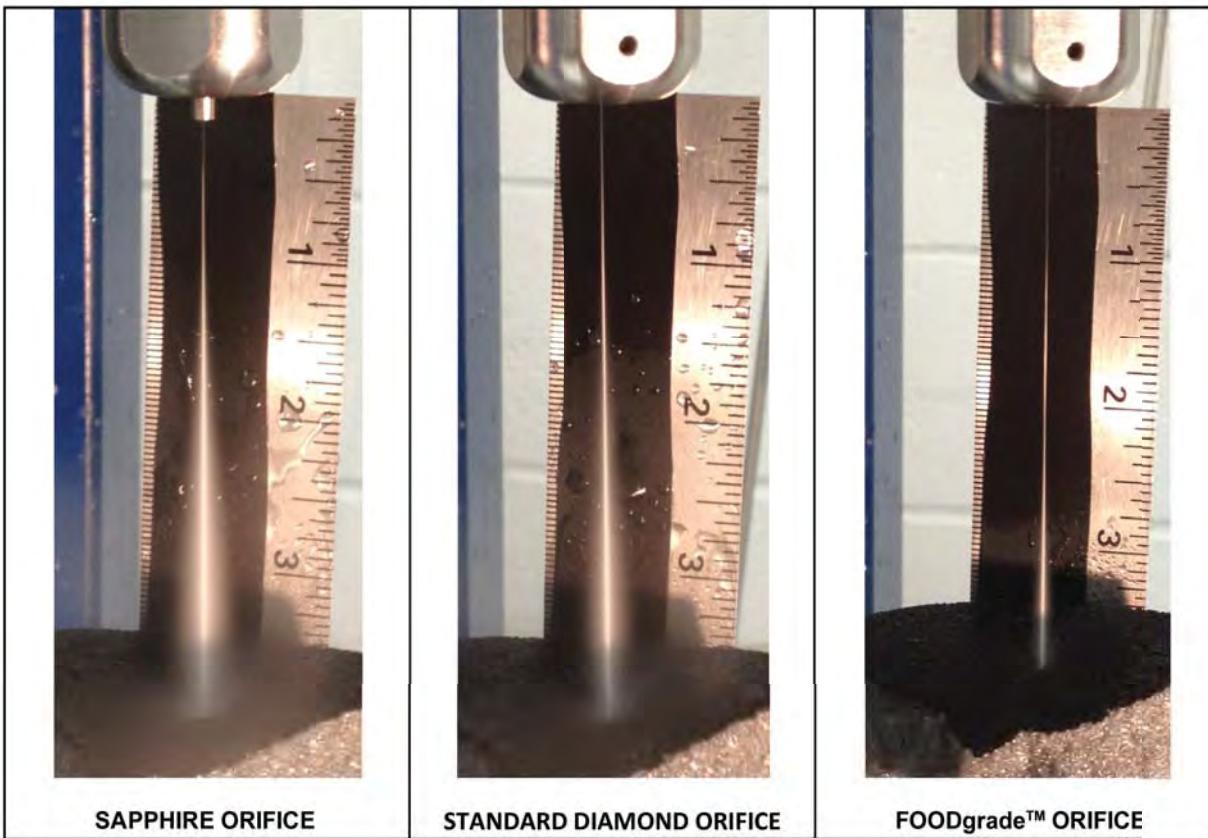
72136249

.011 (.279)

72136256



WATER ONLY ORIFICE COMPARISONS



DESCRIPTION**PART NO.****DESCRIPTION****PART NO.****FOCUSING TUBES**

ROCTEC® 100

.021 x 2.0 10139426

.021 x 3.13 20451227

.025 x 3.13 20452309

.030 x 3.13 10126969

.030 x 4.0 20428126

.036 x 3.13 80075252

.039 x 3.13 49833593

.040 x 3.13 49835390

.040 x 3.00 x 25D 20481210

.043 x 3.13 10126928

.052 x 3.13 05117528

.058 x 3.13 05051891

.063 x 3.13 10126936

IRWJ-200

.020 x 3.0, IRWJ 49839913

.030 x 3.0, IRWJ 49837933

.040 x 3.0, IRWJ 49837941

ROCTEC® 500

.021 x 2.0 05097928

.030 x 3.13 05097944

.036 x 3.13 05116652

.043 x 3.13 05097936

.093 x 3.13 05130927

PRO® Series Indexed

The PRO® Series features the superior HyperTube® Index Design for longer, more uniform wear preventing "focusing tube blow-out".

.030 x 3.0 20477366

.030 x 4.0 20477382

.033 x 4.0 20490760

.040 x 3.0 20486133

.040 x 4.0 20486166

.043 x 3.0 20477386

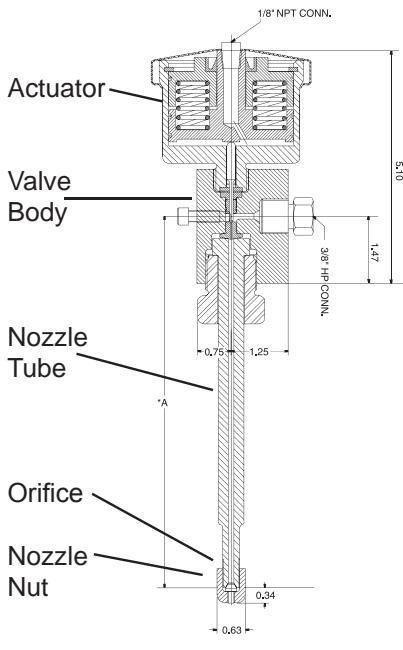
.043 x 4.0 20477395

.045 x 3.0 20486151

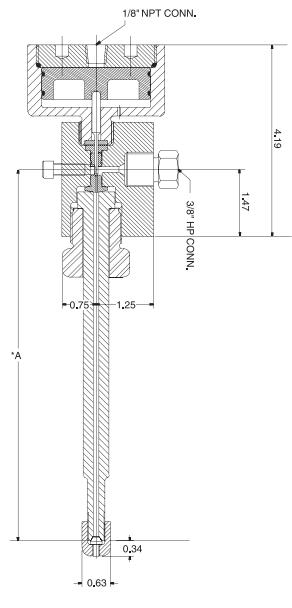
.045 x 4.0 20486158

.048 x 4.0 20490768





Normally Closed



Normally Open

PNEUMATIC VALVES & REPLACEMENT PARTS

When you need reliability, speed and safety you turn to KMT. The newly designed Aqualine pneumatic valves from KMT Waterjet use an innovative seal and stem design to maximize life and deliver the greatest value. These valves enable longer production runs, resulting in increased output.

Designed to Perform Longer

The Aqualine Normally Open & Normally Closed (NO/NC) valves have very reliable and fast performance due to the 6 stainless steel springs which apply the force to open or close the valve. The re-designed valves have an improved stem design and specialized seals which provide a far better performance and enable increased production.

The dump valve safely relieves pressure during any waterjet operation. Using KMT Genuine Parts ensures that your dump valve operates reliably as designed.

KMT **Genuine Parts**
Your business is worth it.

DESCRIPTION

PART NO.

**PNEUMATIC VALVE/
ACTUATOR ASSEMBLIES**

HP, 60,000 psi - N/O

10184760



HP, 60,000 psi - N/C

10138824



HP, 60,000 psi - N/C, IDE® Gland

20454354



UHP, 90,000 psi - N/C

20480359



HP, 60,000 psi - N/O

2-Port Dump valve, Solenoid valve,
Square body.

05069703



HP, 60,000 psi - N/O

3-Port Dump valve, Round body.

20427739



UHP, 90,000 psi - N/O

2-port Dump valve.

20468634



PART NO.

DESCRIPTION

REPAIR KITS

HP Pneumatic Valve, N/O, 60,000 psi

Kit includes valve seat and stem, seal assembly, backup ring & o-rings required to service the valve and the actuator.

05116017

**HP Pneumatic Valve, N/C, 60,000 psi**

Kit includes valve seat and stem, seal assembly, backup ring & o-ring required to service the valve.

05116025

**HP Pneumatic Valve, N/C, Cold Weather Seal Assembly, 60,000 psi**

Kit includes valve stem and seat, CWS seal assembly, bronze backup ring and o-ring.

05146964

**UHP Pneumatic Valve, N/O, 90,000 psi**

Kit includes valve seat and stem, seal assembly, brass backup ring and o-rings required to service the valve and the actuator.

20477518

**UHP Pneumatic Valve, N/C, 90,000 psi**

Kit includes valve seat and stem, seal assembly, brass backup ring and o-ring required to service the valve.

20477521



DESCRIPTION

PART NO.

TOOL KITS**N/C Actuator Assembly, 60,000/**90,000 psi****

Kit includes top and bottom protector tool, and snap ring pliers to service all HP and **UHP**, N/C pneumatic actuator assemblies.

80077795

**Seal Tools, HP/**UHP** Pneumatic Valves**

Used to service all HP and **UHP** pneumatic valves.
Kit includes a seal push, positioning and installation tool.

20470475

**Solenoid Valve - 24V DC**

49888035

**HP PNEUMATIC VALVE BODIES****2-Port, (2) .38, (1) .56, Stainless Steel, 60,000 psi**

For use on all KMT 2-port HP pneumatic valves.

10189181

**3-Port, .38, Stainless Steel, 60,000 psi**

For use on all KMT 3-port HP pneumatic dump valves.

20427648



DESCRIPTION

PART NO.

UHP PNEUMATIC VALVE BODIES

Dump Valve, Stainless Steel, 90,000 psi

For use on all KMT UHP pneumatic dump valves.

20468617



Stainless Steel, 90,000 psi

For use on all KMT UHP pneumatic valves.

20475871

**ACTUATORS**

HP Actuator - N/O, 60,000 psi

10189553



HP Actuator - N/C, 60,000 psi

10177855



UHP Actuator – N/O, 90,000 psi

20479022



UHP Actuator – N/C, 90,000 psi

20474154



DESCRIPTION

PART NO.

BACKUP RINGS		
HP Pneumatic Valve, Stainless Steel, 60,000 psi. For use on all KMT HP pneumatic valves.	10187250	
UHP Pneumatic Valve, Stainless steel, 90,000 psi For use on all KMT UHP pneumatic valves.	20475882	
NOZZLE NUTS		
.38, LH Thread , 60,000 psi	B2841	
.56, LH Thread , 60,000 psi	B3393	
VALVE GLANDS		
.56, Valve nut for Nozzle Tube, Stainless Steel, 60,000 psi/ 90,000 psi	BV701184	
.75 Valve nut for Nozzle Tube, Stainless Steel, 60,000 psi/ 90,000 psi	20454351	
Compression Spring - .72 x .105 x 1.50, Stainless Steel For use on all NC KMT HP/ UHP pneumatic actuators.	05054119	

DESCRIPTION

PART NO.

HP Collar - .38, Stainless Steel. 66,000 psi	10078715	
Adapter, HP Water Valve. For use on all 60,000 psi 3-port and quick release dump valves.	49830904	
Adapter, Tube/Pipe, .25 x .13 Used to connect air hose to solenoid valve on pneumatic valve/actuator assemblies.	10077030	
Coupling Pipe, .13 x .13 Used to connect solenoid valve to actuator on pneumatic valve/actuator assemblies.	10102226	
HP Bushing Assembly, .56 M x .25 F, Stainless Steel. 66,000 psi	10079580	
HP Gland - Anti-Vibration, .38, Stainless Steel. 66,000 psi	10078913	

DESCRIPTION

PART NO.

NOZZLE TUBES

(All Dimensions are Diameter" x Length")

MEASUREMENT CALCULATOR:**.25 = 1/4 inch | .56 = 9/16 inch****.38 = 3/8 inch | .75 = 3/4 inch**

3/8" Connection, 60,000 psi

.38 x 4.0 10138584**.38 x 5.0** 10138592**.38 x 6.0** 10138600**.38 x 7.0** 10138618**.38 x 8.0** 10138634**.38 x 9.0** 10138642**.38 x 10.0** 10138659

3/8" Nozzle Nut Connection, 60,000 psi

.38 x 4.0 10138402**.38 x 5.0** 10138410**.38 x 6.0** 10138428**.38 x 7.0** 10138436**.38 x 8.0** 10138444**.38 x 9.0** 10138451**.38 x 10.0** 10138469**.38 x 11.0** 05136031**.38 x 12.0** 05013735

3/8" Nozzle Nut Connection W/High Pressure

Connection, 60,000 psi

.38 x 3.0 A22593**.38 x 4.0** A22594**.38 x 5.0** A22595**.38 x 6.0** A22596**.38 x 8.0** A2259800**.38 x 10.0** A225910**.38 x 11.0** A225911**.38 x 12.0** A225912

DESCRIPTION

PART NO.

NOZZLE TUBES

(All Dimensions are Diameter" x Length")

MEASUREMENT CALCULATOR:

.25 = 1/4 inch		.56 = 9/16 inch
.38 = 3/8 inch		.75 = 3/4 inch



9/16" Connection, 60,000 psi

.56 x 4.0	10138667
.56 x 5.0	10138675
.56 x 6.0	10138683
.56 x 7.0	10138691
.56 x 8.0	10138709
.56 x 9.0	10138717
.56 x 10.0	10138725
.56 x 11.0	80074446

9/16" Nozzle Nut Connection, 60,000 psi

.56 x 4.0	10138485
.56 x 5.0	10138493
.56 x 6.0	10138501
.56 x 7.0	10138519
.56 x 8.0	10138527
.56 x 9.0	10138535
.56 x 10.0	10181105
.56 x 12.0	10193100



3/4" For use with KMT IDE® Cutting Head, 60,000 psi

.75 x 3.75, LH Thread	20489074
.75 x 4.75, LH Thread	20489092
.75 x 5.75, LH Thread	20455329
.75 x 7.75, LH Thread	20480977
.75 x 8.75, LH Thread	72101354
.75 x 9.75, LH Thread	20464647



DESCRIPTION

PART NO.

NOZZLE TUBES

(All Dimensions are Diameter" x Length")

3/4" Ultra High Pressure Nozzle Tube, for use with
Short Stop Filter, 90,000 psi

.75 x 3.50, LH Thread	20487241
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.75 x 4.50, LH Thread	20487249
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.75 x 5.75, LH Thread	20487257
-----------------------	----------

.75 x 6.25, LH Thread	20497106
-----------------------	----------

.75 x 9.75, LH Thread	20487273
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MEASUREMENT CALCULATOR:

.25 = 1/4 inch	.56 = 9/16 inch
----------------	-----------------

.38 = 3/8 inch	.75 = 3/4 inch
----------------	----------------





MEASUREMENT CALCULATOR:

.25 = 1/4 inch		.56 = 9/16 inch
.38 = 3/8 inch		.75 = 3/4 inch

ABRASIVE MANAGEMENT SYSTEMS

The garnet used in cutting hard materials represents one of the biggest operating expenses of a waterjet system, so the abrasive management system you use needs to be accurate and dependable.

KMT offers abrasive management systems at various performance levels, each manufactured to the high precision and reliability standards you've come to expect from KMT.

KMT **Genuine Parts**
Your business is worth it.

DESCRIPTION

PART NO.

ABRASIVE METERING SYSTEMS

An accurate & consistent abrasive feed-rate is critical to the waterjet abrasive cutting process. A well regulated feed rate of abrasive cuts down on waste, saves money and results in a tighter cutting stream with a cleaner, smoother cutting edge.

E-Z Feedline®

KMT Waterjet Systems introduces EZ Feedline® Abrasive Metering System, an economical, reliable and EZ option for accurate delivery of abrasive to the cutting nozzle. The KMT EZ Feedline® is EZ to mount, operate and maintain--no tools required to replace wear components!

20486762

**Feedline Precision®**

The KMT Feedline Precision® with the innovative Dial-It-In variable control provides abrasive feed rate precision and flexibility. The full spectrum dial, notched in 1/10 lb. increments, delivers precise flow control of abrasive from 0 to 2-1/2 lbs./min. for economical and custom cutting of a variety of materials and thicknesses.

20497504

**Feedline V®**

The KMT Feedline V® abrasive metering system is precisely and accurately controlled through a central CNC controller or a potentiometer, and supplies the cutting head with the optimized flow of abrasive--this helps save material and costs. The gravity fed abrasive automatically feeds to the fill line & there's no need to pause the cutting process. With a quick turn of a knob, the abrasive feed rate can be adjusted to increase or decrease the abrasive stream.

72105096

**Polyurethane Tubing - .38, Clear**

49885361

**PVC Tubing - .50 x .748, Reinforced, Static-free**

05076963



MEASUREMENT CALCULATOR:

.25 = 1/4 inch | .56 = 9/16 inch
.38 = 3/8 inch | .75 = 3/4 inch



HIGH PRESSURE FITTINGS & TUBING

KMT offers high pressure tubing and fittings for all waterjet system needs and other high-pressure applications. Engineered for long life and reliability, KMT fittings are rated for use at 60,000psi and 100,000psi.

KMT employs proprietary manufacturing processes to ensure the longest life for HP and UHP tubing. Customized design is available to meet your needs – contact KMT Customer Service for details.

KMT Genuine Parts
Your business is worth it.

DESCRIPTION

PART NO.

DESCRIPTION

PART NO.



HP Stainless Steel Coupling Assembly, 60,000 psi

.25 x .25

10079028

.38 x .25

10079614

.38 x .38

10078905

.56 x .25

10078145

.56 x .38

10079531

.56 x .56

10078640



UHP Stainless Steel Coupling Assembly, 100,000 psi

.25 x .25

20477023

.38 x .25

20477738

.38 x .38

20477660

.56 x .25

20477730

.56 x .38

20477709

.56 x .56

20477685



HP Stainless Steel Elbow Assembly, 60,000 psi

.25

10079051

.38

10078780

MEASUREMENT CALCULATOR:

.25 = 1/4 inch | .56 = 9/16 inch

.38 = 3/8 inch | .75 = 3/4 inch



UHP Stainless Steel Elbow Assembly, 100,000 psi

.25

20455821

.38

20455809

.56

20455377

DESCRIPTION

PART NO.

DESCRIPTION

PART NO.



HP Stainless Steel Tee Assembly, 60,000 psi

.25

10079481

.38

10078590

.56

10079465



UHP Stainless Steel Tee Assembly, 100,000 psi

.25

20455824

.38

20455812

.56

20455374



HP Stainless Steel Cross Assembly, 60,000 psi

.25

10097228

.38

10078038

.56

10079168



UHP Stainless Steel Cross Assembly, 100,000 psi

.25

20452971

.38

20452968

.56

20453115

MEASUREMENT CALCULATOR:

.25 = 1/4 inch	.56 = 9/16 inch
.38 = 3/8 inch	.75 = 3/4 inch

DESCRIPTION

PART NO.

DESCRIPTION

PART NO.



HP Stainless Steel Bushing Assembly, 60,000 psi

.38 M x .25 F

10079432

.38 F x .25 M

10079473

.56 M x .25 F

10079580

.56 F x .25 M

10079424

.56 M x .38 F

10079457

.56 F x .38 M

10079655



UHP Stainless Steel Bushing Assembly, 100,000 psi

.38 F x .25 M

72133175

.38 M x .25 F

72133224

.56 F x .25 M

72133183

.56 M x .25 F

72133232

.56 F x .38 M

72133209

.56 M x .38 F

72133250



HP Stainless Steel Collar 60,000 psi

.25

10078426

.38

10078715

.56

10079119



UHP Stainless Steel Collar 100,000 psi

.25

20452959

.38

20452965

.56

20453124

MEASUREMENT CALCULATOR:

.25 = 1/4 inch | .56 = 9/16 inch

.38 = 3/8 inch | .75 = 3/4 inch

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
			
HP Stainless Steel Gland 60,000 psi		UHP Stainless Steel Gland 100,000 psi	
.25	10078459	.25	20452962
Anti-Vibration, .25	10078699	.38	20452956
.38	10078129	.56	20453121
Anti-Vibration, .38	10078913		
.56	10078608		
Anti-Vibration, .56	10093573		
			
HP Stainless Steel Adapter Cone, 60,000 psi		UHP Stainless Steel Adapter Cone, 100,000 psi	
.25	10116333	.25	72133266
.38	10078509	.38	72122072
.56	10079291	.56	72133349

MEASUREMENT CALCULATOR:

.25 = 1/4 inch		.56 = 9/16 inch
.38 = 3/8 inch		.75 = 3/4 inch

DESCRIPTION

PART NO.

DESCRIPTION

PART NO.



**HP Stainless Steel Plug
60,000 psi**

.25

10078244

.38

10079523

.56

10078772



**UHP Stainless Steel Plug
100,000 psi**

.25

20453130

.38

20453136

.56

20453127



**HP Stainless Steel Hand
Valve, Straight, 60,000 psi**

.25

10079259

.38

10078863

.56

10078889



**UHP Stainless Steel Hand
Valve, Straight, 100,000 psi**

.25

20467981

.38

20468568

.56

20468014

MEASUREMENT CALCULATOR:

.25 = 1/4 inch | .56 = 9/16 inch
.38 = 3/8 inch | .75 = 3/4 inch

DESCRIPTION**PART NO.****DESCRIPTION****PART No.**

HP Stainless Steel Hand Valve, 90 degree, 60,000 psi

.25

10079002

.38

10078749

.56

10079275



UHP Stainless Steel Hand Valve, 90 degree, 100,000 psi

.25

20468610

.38

20468593

.56

20477836



HP Stainless Steel Valve Assembly, 3-Way, 1 Press, .38, 2 Stem 60,000 psi

10119030



Hand Valve

10097533

MEASUREMENT CALCULATOR:

.25 = 1/4 inch	.56 = 9/16 inch
.38 = 3/8 inch	.75 = 3/4 inch

TUBING

SWIVEL JOINT ASSY'S.

HP & UHP FITTINGS

DESCRIPTION

PART NO.

STAINLESS STEEL TUBING - 66,000 PSI	
CONED & THREADED - UP TO 8.0" LENGTHS	
.25 x .083 x 4.0", 316	10105880
.25 x .083 x 6.0", 316	10103018
.25 x .083 x 8.0", 316	80070519
.38 x .125 x 3.0", 316	10094704
.38 x .125 x 4.0", 316	10105443
.38 x .125 x 5.0", 316	10090280
.56 x .188 x 4.0", 316	10069326
.56 x .188 x 4.97", 316	05112057

**CONED & THREADED - 20' LENGTH**

.25 x .083 x 240.0", 316	10094191
.38 x .125 x 240.0", 316	10094183
.56 x .188 x 240.0", 316	10094175

**MEASUREMENT CALCULATOR:**

.25 = 1/4 inch		.56 = 9/16 inch
.38 = 3/8 inch		.75 = 3/4 inch

DESCRIPTION

PART NO.

STAINLESS STEEL TUBING - 100,000 PSI**CONED & THREADED - UP TO 4' LENGTHS****.25 x .083 x 3.02", HP160****20489761****.25 x .083 x 4.0", HP160****20487975****.25 x .083 x 7.625", HP160****72104402****.38 x .125 x 4.0", HP160****20478649****.38 x .125 x 4.81", HP160****20468830****.38 x .125 x 48.0", HP160****20489107****.56 x .188 x 4.25", HP160****20493999****.56 x .188 x 6.38", HP160****72103733****.56 x .188 x 8.93", HP160****72103386****.56 x .188 x 14.49", HP160****72103361****.56 x .188 x 17.22", HP160****72103379****.56 x .188 x 36.0", HP160****72108319****CONED & THREADED - 20' LENGTH****.25 x .083 x 240.0", HP160****20478751****.38 x .125 x 240.0", HP160****20489115****.56 x .188 x 240.0", HP160****72103535****MEASUREMENT CALCULATOR:****.25 = 1/4 inch .56 = 9/16 inch****.38 = 3/8 inch .75 = 3/4 inch**

DESCRIPTION

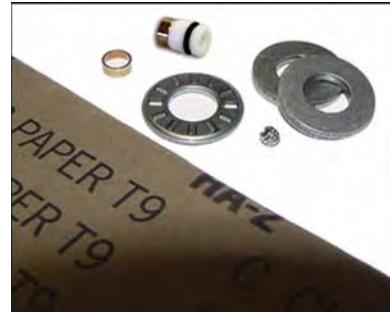
PART NO.

Hose – Ferrule, .25 x .265 x .718, Brass	20422970	
Hose – Ferrule, .38 x .265 x .718, Brass	10083897	
Hose – Ferrule, .56 x .265 x .718, Brass	05131347	
Conduit - Extra Flexible - .25, Stainless steel	20422988	
Conduit - Extra Flexible - .38, Stainless steel	10186153	
Conduit - Extra Flexible - .56, Stainless steel	05086905	
HP & UHP STAINLESS STEEL BENT TUBING IS INTENSIFIER MODEL SPECIFIC. PLEASE CONTACT KMT GENUINE PARTS CUSTOMER SERVICE FOR ORDERING ASSISTANCE @800-991-4225.		
HP & UHP STAINLESS STEEL COILS ARE ROBOT SPECIFIC. PLEASE CONTACT KMT CUSTOMER SERVICE FOR ORDERING ASSISTANCE @800-991-4225.		
HP & UHP STAINLESS STEEL STRAIGHT TUBING IS SOLD IN RANDOM LENGTHS. PLEASE CONTACT KMT CUSTOMER SERVICE FOR ORDERING ASSISTANCE @800-991-4225.		

DESCRIPTION**PART NO.****REPAIR & TOOL KITS****Repair Kit - HP Swivel Joint Assembly, .25/.38****Connections, 60,000 psi**

Kit includes seal assembly, thrust bearing and washer, and setscrew required to service all HP swivel joint assemblies.

05116009

**Repair Kit -UHP Swivel Joint Assembly, .25/.38****Connections, 90,000 psi**

Kit includes seal assembly, thrust bearing and washer, and setscrew required to service all UHP swivel joint assemblies.

72129713

**Tool Kit - UHP Swivel Joint Assembly, 90,000 psi**

Kit includes maintenance tools and lubricants required to repair any UHP swivel joint assembly.

20488720

**MEASUREMENT CALCULATOR:**

.25 = 1/4 inch	.56 = 9/16 inch
.38 = 3/8 inch	.75 = 3/4 inch

DESCRIPTION

PART NO.

SPINDLES

HP Spindle - .25 F, 60,000 psi

CJ318088



HP Spindle - .25 M, 60,000 psi

CJ501288



HP Spindle - .38 M, 60,000 psi

49899602



UHP Spindle - .25 F, 90,000 psi

20486952



UHP Spindle - .25 M, 90,000 psi

20490843

**STRAIGHTS**

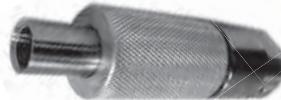
HP, Straight, .25 M/F Connections, 60,000 psi

CJ211388



HP, Straight, .25 F/F Connections, 60,000 psi

CJ218088



HP, Straight, .38 M/F Connections, 60,000 psi

10134708



UHP, Straight, .25 F/F Connections, 90,000 psi

20477623



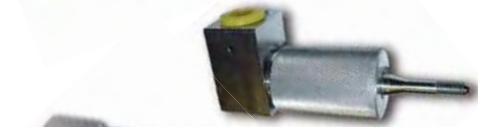
UHP, Straight, .25 F/M Connections, 90,000 psi

20490851



DESCRIPTION

PART NO.

DESCRIPTION	PART NO.	
CONNECTIONS		
HP, 90°, .25 F/F Connections, 60,000 psi	CJ218188	
HP, 90°, .25 M/F Connections , 60,000 psi	CJ201288	
HP, 90°, .38 M/F Connections, 60,000 psi	10134682	
UHP, 90°, .25 F/F Connections, 90,000 psi	20491098	
CAP ASSEMBLIES		
Cap Assembly, 60,000 psi, .25/.38, M/F	BJ701288	
Cap Assembly, 60,000 psi, .25, F/F	CJ418088	
STRAIGHT BODIES		
HP Body - Straight, 60,000 psi, .25 Connections	CJ311388	
HP Body - Straight, 60,000 psi, .38 Connections	10134716	
UHP Body - Straight, 90,000 psi, .25 Connections	20486976	

DESCRIPTION

PART NO.

90 DEGREE BODIES		
HP Body – 90°, 60,000 psi, .56 x .25 M/F Connections	DJ301288	
HP Body - 90°, 60,000 psi, .38 x .38 M/F Connections	10134690	
UHP Body - 90°, 90,000 psi, .25 Connections	20490859	
BUSHINGS		
Bushing – 60,000 psi, .25/.38 Connection	CJ401288	
THRUST BEARINGS		
Thrust Bearing – 60,000 psi, .25/.38 Connection	10084713	
Thrust Bearing - 90,000 psi, .25 Connections	20475956	
SEAL ASSEMBLIES		
Seal Assembly – 60,000 psi, .25/.38 Connection	BJ201388	
Seal Assembly - 90,000 psi, .25 Connections	20487002	
Clamp Collar - 60,000 psi, .25, F/F Connection	10154680	
Thrust Washer – 60,000 psi, .25/.38 Connections	10094647	

DESCRIPTION

PART NO.

INLINE WATER FILTERS

Filter Element - HP Water Filter Assembly, 60,000 psi

.25, Sintered Cup, 20 Micron.

For use with HP Filter Assembly 05114137

05110531

MEASUREMENT CALCULATOR:

.25 = 1/4 inch | .56 = 9/16 inch

.38 = 3/8 inch | .75 = 3/4 inch



Filter Element - HP Water Filter Assembly, 60,000 psi

.38, Sintered Cup, 20 Micron.

For use with HP Filter Assembly CJ200988

SKJA266



Filter Element - HP Water Filter Assembly, 60,000 psi

.56, Sintered Cup, 20 Micron.

For use with HP Filter Assembly BF103473

AF503473



Filter Element - UHP Water Filter Assembly, 90,000 psi

Sintered Cup, 20 Micron.

For use with UHP Filter Assembly 20475916 & 20475944

20453553



Filter Element - UHP Water Filter Assembly, 90,000 psi

Sintered Cup, 20 Micron.

For use with UHP Filter Assembly 20481026 & 20480940

20456913

**WATER FILTER ASSEMBLIES**

HP Water Filter Assembly - Inline, 60,000 psi

.25, 20 Micron, Stainless Steel

05114137



HP Water Filter Assembly - Inline, 60,000 psi

.38, 20 Micron, Stainless Steel

CJ200988



HP Water Filter Assembly - Inline, 60,000 psi

.56, 20 Micron, Stainless Steel

BF103473



DESCRIPTION

PART NO.

MEASUREMENT CALCULATOR:

.25 = 1/4 inch	.56 = 9/16 inch
.38 = 3/8 inch	.75 = 3/4 inch

WATER FILTER ASSEMBLIES

UHP Water Filter Assembly - Inline, 90,000 psi

.25, Stainless Steel

20481026



UHP Water Filter Assembly - Inline, 90,000 psi

.38, Stainless Steel

20480940



UHP Water Filter Assembly - Inline, 90,000 psi

.38, Stainless Steel

20475916

UHP Water Filter Assembly - Inline, 90,000 psi

.56, Stainless Steel

20475944



Bayonet Nipple - HP Water Filter, 60,000 psi, .38

For use in HP Filter Assembly CJ200988

SKJA287





TOPWORKS REPLACEMENT PARTS



KMT Genuine Parts
Your business is worth it.

NO OTHER SYSTEM INCORPORATES THE FEATURES OF KMT INTENSIFIERS TO DELIVER THE SIMPLEST, EASIEST-TO-OPERATE, MOST RELIABLE SYSTEM.



The KMT intensifier is the heart of your waterjet system and helps determine the quality and quantity of the products you make. The use of KMT Genuine Parts to maintain your intensifier helps maximize life and improves value.

KMT PRO® replacement parts are available exclusively from KMT and require precision manufacturing to ensure the best performance from your PRO® pump.

The KMT Intensifier Features:

- Plunger – KMT intensifiers use a longer pressurizing stroke than other manufacturers, thereby stroking less frequently for longer life.
- Seals – KMT's Hyperlife™ seals (U.S. Patent #6,769,695 and Sweden Patent #0203660-6) used in the Streamline topworks provides greater value than inferior, imitation parts.
- Metal-to-Metal Seal Head – Ensures positive sealing and the ability to re-use crucial components.

DESCRIPTION

PART NO.

REPAIR KITS

Repair Kit - Hydraulic Piston, .88 plunger units.
 55,000/60,000 psi. Used on all SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.
 Kit includes retaining rings, bearings, o-rings, backup rings, seal assembly and check valves.

05115951

**Repair Kit - HP Cylinder Assembly**

Used on SL-III, 55,000 psi. Kit includes seals, o-rings and backup rings to repair the HP cylinder seal and the sealing head seal.

05115969

**Repair Kit - HP Cylinder Assembly**

Used on SL-IV, 55,000 psi. Kit includes seals, o-rings and backup rings to repair the HP cylinder seal and the sealing head seal.

05115977

**Repair Kit - HP Cylinder Assembly**

Used on SL-I/SL-II, 55,000 psi. Kit includes seals, o-rings and backup rings to repair the HP cylinder seal and the sealing head seal.

05115993



DESCRIPTION

PART NO.

SEAL ASSEMBLIES

HP Seal Assembly - .88 plunger units. 55,000 psi
Used on all SL-IV units.

05123385



HP Seal Assembly - .88 plunger units. 55,000/60,000 psi
Used on all SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.

20422243



HP Seal Assembly - .88 plunger units. 55,000/60,000 psi
Used on SL-IV Plus flange units & SL-V HSEC units.

05149703



HP Seal Assembly – 1.13 plunger units, hybrid

20467135



HP Seal Assembly - 1.13 plunger units. 60,000 psi
Used on all SL-V units with a 75 to 200 horsepower rating.

05149711



UHP Seal Assembly - .88 plunger units. 90,000 psi
Used on all PRO units with a 60 or 125 horsepower rating.

20479499



DESCRIPTION

PART NO.

CYLINDER SEAL ASSEMBLIES

HP Cylinder Seal Assembly - 55,000 psi
Used on SL-III & SL-IV units.

05027172



HP Cylinder Seal Assembly - 55,000 psi
Used on SL-I & SL-II units.

10144590

**PROXIMITY SWITCH KITS**

Proximity Switch Kit - E50. 55,000 - 60,000 psi
Used on all SL-III, SL-IV, SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.

Replaces Part #05127584

20453934



Proximity Switch Kit - Used on 60,000 psi/75-200 horsepower 1-1/8" plunger intensifiers.
Used on all 90,000 psi PRO units.

20453925



DESCRIPTION

PART NO.

HYDRAULIC CYLINDERS & HEADS

Hydraulic Cylinder, .88 plunger HSEC units, 55,000/60,000 psi
Used on all SL-IV, SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.

05034764



Hydraulic Cylinder, 1.13 plunger HSEC units, 55,000/60,000 psi
Used on all SL-V units with a 75 to 200 horsepower rating.

05144514

Hydraulic Cylinder Head, 55,000 psi
.88 plunger, HSEC units. Used on all E-Series units with a 30 or 50 horsepower rating.

20414880



Hydraulic Cylinder Head, 60,000 psi
.88 plunger, HSEC units. Used on all SL-IV, SL-V and S-Series units with a 15 to 60 horsepower rating.

05034772



Hydraulic Cylinder Head, 60,000 psi
1.13 plunger, HSEC units. Used on all SL-V units with a 75 to 200 horsepower rating.

20416445



DESCRIPTION

PART NO.

PUMP PLUNGERS

Carbide Plunger, .88 plunger units, 55,000 psi

Used on all E-Series units with a 30 or 50 horsepower rating. Used on all SL-I & SL-II intensifiers.

05039771

**Ceramic Plunger - .88 plunger units, 60,000/90,000 psi**

Used on all SL-V and S-Series units with a 15 to 60 horsepower rating and PRO units with a horsepower rating of 60 or 125.

05119151

**Ceramic Plunger - 1.13 plunger units, 60,000 psi**

Used on all SL-V units with a 75 to 200 Horsepower rating.

05144506



LINERS

Liner – HP Cylinder .88 plunger units, 60,000 psi

20497767

**Liner - HP Cylinder, .88 plunger units, Brass, 60,000 psi**

20491603

**Liner - HP Cylinder, 1.13 plunger units, 60,000 psi**

Used on all SL-V units with a 75 to 200 horsepower rating.

72110945



Replaces Part #05144555

Liner - UHP Cylinder, .88 plunger units, 90,000 psi

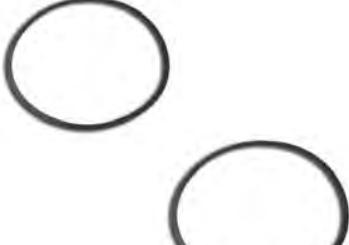
Used on all PRO units with a 60 or 125 horsepower rating.

20474333



DESCRIPTION

PART NO.

BACKUP RINGS		
3.75 x 4.0, .88 plunger units, 55,000/60,000 psi Used on all SL-IV, SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.	05034855	
5.25 x 5.50, 1.13 plunger units, 60,000 psi Used on all SL-V units with a 75 to 200 horsepower rating.	05120092	
Hydraulic Piston Assembly, 15 to 60 horsepower Used on SL-IV, SL-V & S-Series 7/8" plunger units. Used on all 90,000 psi PRO units.	05049994	
HYDRAULIC CARTRIDGE SEAL ASSEMBLIES		
.88 plunger units, 60,000/90,000 psi Used on all SL-IV, SL-V and S-Series units with a 15 to 60 horsepower rating and all PRO units with a 60 or 125 Horsepower rating.	05130091	
1.13 plunger units, 60,000 psi Used on all SL-V units with a 75 to 200 horsepower rating.	05146584	
.88 plunger units, 55,000 psi Used on all E-Series units with a 30 or 50 horsepower rating & NEOLine 40i units.	80086622	
HYDRAULIC PISTON ASSEMBLIES		
.88 plunger units. 55,000/60,000 psi. Used on all SL-IV, SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating. Kit includes piston, retaining rings, bearings, o-rings, backup rings, seal assembly and check valves.	05132253	
1.13 plunger units. 55,000/60,000 psi. Used on all SL-V units with a 75 to 200 horsepower rating. Kit includes piston, retaining rings, bearings, o-rings, backup rings, seal assembly and check valves.	05146576	

DESCRIPTION

PART NO.

Seal Assembly - Hydraulic Piston, .88 plunger units. 55,000/60,000 psi. Used on all SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.	05117965	
Packing Ring - Hydraulic Cartridge Seal Assembly. 55,000 psi. Used on SL-III units.	05015060	
Bearing - Hydraulic Piston, .88 plunger units, 55,000/60,000 psi. Used on all SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.	05117940	
CYLINDERS		
.88 plunger HSEC units. 52,000 psi Used on all E-Series version I units with a 50 horsepower rating.	72120023	
Replaces Part #20414862		
.88 plunger HSEC units. 55,000 psi Used on all E-Series units with a 30 or 50 horsepower rating.	72119529	
Replaces Part #20434777		
.88 plunger. 55,000 psi Used on SL-IV units.	05059712	
.88 plunger. 55,000 psi Used on SL-I & SL-II units.	05136312	
Replaces Part #10097822		

SEALING HEADS

TOPWORKS PARTS

DESCRIPTION

PART NO.

CYLINDERS

Cylinder - .88 plunger HSEC. 60,000 psi

Used on all SL-V and S-Series units with a 15 to 60 horsepower rating.

Replaces Part #20479503 & #05144647

72119544

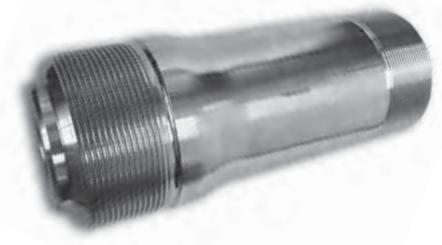


Cylinder - 1.13 plunger HSEC units. 60,000 psi

Used on all SL-V units with a 75 to 200 horsepower rating.

Replaces Part #20473479 & #20431076

72119536



PRO Cylinder - .88 plunger units. 90,000 psi

Used on all PRO® units with a 60 or 125 horsepower rating.

Replaces Part #20453688

72121850



PRO² Cylinder - .88 plunger units. 90,000 psi

Used on all PRO²® units with a 60 or 125 horsepower rating.

72121858



HP Cylinder Head - 55,000 psi.

Used on SL-I and SL-II units.

10097855

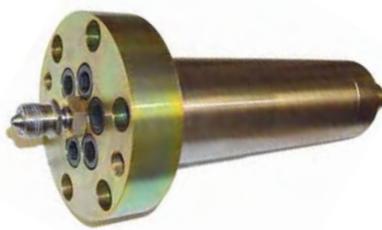


DESCRIPTION

PART NO.

HP Cylinder Assembly - .88 plunger. 55,000 psi
Used on SL-I & SL-II units.

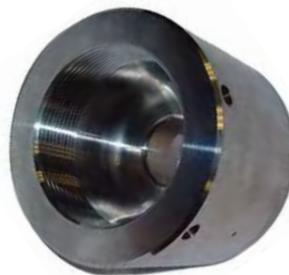
10098366

**HIGH PRESSURE CYLINDER NUTS**

HP Cylinder Nut – SSEC (Soft Seal End Cap).

Used on SL-IV. 55,000 psi

05059688



HP Cylinder Nut - HSEC (Hard Seal End Cap), .88 plunger.

60,000 psi. Used on all SL-V and S-Series units with a 15 to 60 horsepower rating.

80073646



Packing Follower - HP Cylinder Assembly, 1.373 x .878.
55,000 psi. Used on SL-I & SL-II units.

AP1412671



DESCRIPTION

PART NO.

BUSHING RETAINER FLANGES		
<p>.88 plunger units, 55,000/60,000 psi Used on all SL-IV, SL-V, E-Series & S-Series units with a 15 to 60 horsepower rating.</p>	05007786	
<p>1.13 plunger units, 60,000 psi Used on all SL-V units with a 75 to 200 horsepower rating.</p>	05145099	
RETAINING RINGS		
<p>2.75, Stainless steel. Used on all 60,000 psi units</p>	05034798	
<p>1.011 x .030 x .118, Stainless Steel, 90,000 psi Used on all 90,000 psi units.</p>	20492123	
Jackbolt - HSEC, 7/16-20 x 2.31. Used on all SL-V, E-Series and S-Series HSEC units.	80070352	
HP Attenuator Assembly - .96L Used on all 60,000 psi units.	20498314	



SEALING HEADS

KMT's patent-pending sealing head design offers reliable, repeatable use. The metal-on-metal seal ensures that your KMT intensifier reaches operating pressure safely, providing hundreds of hours of operation to support your cutting needs.

The use of KMT Genuine Parts to rebuild your sealing head results in maximum value and safe operation.

KMT **Genuine Parts**
Your business is worth it.

DESCRIPTION

PART NO.

REPAIR KITS		
HP Check Valve, .88 plunger units. Used on SL-I & SL-II units, 55,000 psi. Kit includes seal, ball seat, compression spring, ball & ball retainer.	05115985	
HP Check Valve Discharge, .88 plunger units. 55,000/60,000 psi. Used on all SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating. Kit includes valve seat, discharge poppet, poppet pin and compression spring.	05133335	
HP Check Valve, Inlet/Discharge, .88 plunger units. 55,000/60,000 psi Used on all SL-V, E-Series and S-Series units with a <u>button style</u> poppet with a 15 to 60 horsepower rating. Kit includes valve seat, inlet and discharge poppets, poppet pin, compression spring & poppet retainer screw.	20489495	
HP Check Valve, Inlet/Discharge, .88 plunger units. 55,000/60,000 psi. Used on SL-III, SL-IV & SL-V units with a <u>washer style</u> inlet poppet. Kit includes valve seat, inlet & discharge poppets, poppet pin & compression springs.	80074057	
HP Check Valve, Inlet/Discharge, 1.13 plunger units. 60,000 psi. Used on all SL-V units with <u>washer style</u> inlet with a 75 to 200 horsepower rating. Kit includes valve seat, inlet and discharge poppets, poppet pin and compression spring.	20427747	
HP Check Valve, Inlet/Discharge, 1.13 plunger units. 60,000 psi. Used on all SL-V units with a <u>button style</u> poppet with a 75 to 200 horsepower rating. Kit includes valve seat, inlet and discharge poppets, poppet pin and compression spring.	72125203	
HP Check Valve, Discharge, 1.13 plunger units. 60,000 psi. Used on all sealing head assemblies for SL-V units with a 75 to 200 horsepower rating. Kit includes valve seat, discharge poppet, poppet pin and compression spring.	80084403	

DESCRIPTION

PART NO.

REPAIR KITS

UHP Check Valve (Poppet Style) Inlet Inlet/discharge, .88 plunger units. 90,000 psi. Used on all sealing head assemblies for SL PRO® units that utilize an inlet poppet. Kit includes valve seat, inlet and discharge poppets, poppet pin and compression spring.	20477505	
UHP Check Valve (Ball Style) Inlet Inlet/discharge, .88 plunger units, 90,000 psi. Used on all sealing head assemblies for PRO® units only (<i>not PRO²</i>) that utilize an inlet ball. Kit includes valve seat, discharge poppet, inlet ball, poppet pin & compression spring.	72110531	
UHP Check Valve PRO²® (Inlet/Discharge) Ball Style Inlet/discharge, .88 plunger units, 90,000 psi. Used on all SL PRO ² ® units that utilize an inlet ball. Kit includes seat, discharge poppet, inlet ball, poppet pin, dowel pin & compression spring.	72117819	
UHP Check Valve PRO²® (Discharge) Discharge Kit, .88 plunger units, 90,000 psi. Used on sealing head assemblies for SL PRO ² ® units. Kit includes seat, discharge poppet, poppet pin & compression spring.	72135447	
SEAL ASSEMBLIES		
HP Sealing Head 55,000 psi. Used on SL-III & SL-IV units	10110393	
HP Sealing Head 55,000 psi. Used on SL-I & SL-II units.	10178614	
Check Valve - LP/HP pump. Used on SL-I & SL-II units.	BV118874	
HP Check Valve – Body. 55,000 psi. Used on SL-I & SL-II units.	BV610174	

DESCRIPTION

PART NO.

SEALING HEAD ASSEMBLIES

.88 plunger units, 55,000 psi. Used on SL-III and SL-IV units.

Use KMT Repair Kit 80074057 (see pg. 68)

05116769



.88 plunger units, 55,000/60,000 psi. Used on all SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.

Use KMT Repair Kit 20489495 (see pg. 68)

20481005



.88 plunger units, 60,000 psi. Used on SL-IV Plus flange units.

Use KMT Repair Kit 80074057 (see pg. 68)

05144688



1.13 plunger units, 60,000 psi. Used on all SL-V units with a 75 to 200 horsepower rating.

Use KMT Repair Kit 72125203 (see pg. 68)

72110979



.88 plunger, 4 stud.

Used on all PRO® units (Not PRO²® units).

Use KMT Repair Kit 72110531 (see pg. 69)

20480113



.88 plunger.

Used on all PRO²® units.

Use KMT Repair Kit 72117819 (see pg. 69)

20480087



DESCRIPTION

PART NO.

SEALING HEADS

.88 plunger, 55,000 psi

Used on SL-I & SL-II units.

10097871



.88 plunger units. 55,000/60,000 psi

Used on all sealing head assemblies for SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.

20481009



.88 plunger units. 60,000 psi

Used on SL-IV Plus flange units.

05144357



.88 plunger units. 55,000 psi

Used on SL-III & SL-IV units with a 15 to 60 horsepower rating.

10106417



1.13 plunger units. 60,000 psi

Used on all sealing head assemblies for SL-V units with a 75 to 200 horsepower rating.

72110961



.88 plunger units. 90,000 psi

Used on all sealing head assemblies for PRO® units only
(Not PRO² units).

20479524



GLANDS	
HP Check Valve Gland Nut, .88 plunger units. 55,000 psi. Intermediate Gland used on SL-1 & SL-II units.	AV317274
HP Check Valve Gland Nut, Ball style, .88 plunger units. 55,000 psi. Used on SL-III units.	10107910
HP Check Valve Gland Nut, 1.13 plunger units. 60,000 psi. Used on all sealing head assemblies for SL-V units with a 75 to 200 horsepower rating.	05116595
HP Check Valve Gland Nut, .88 plunger units. 55,000/60,000 psi. Used on all sealing head assemblies for SL-IV, SL-V, E-Series & S-Series units with a 15 to 60 horsepower rating.	05116777
UHP Check Valve Gland Nut, .88 plunger units. 90,000 psi. Used on all sealing head assemblies for PRO® units.	20481660
SPACERS	
HP Sealing Head Spacer, 1.13 plunger units. 60,000 psi. Used on all SL-V units with a 75 to 200 horsepower rating.	05144597
HP Sealing Head Spacer, 60,000 psi. Used on SL-IV Plus units with a 15, 30, 50 or 60 horsepower rating.	05144696





MISCELLANEOUS PARTS & SUPPLIES



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CUSTOMER TESTIMONIALS



Protective Packaging with Custom Foam Inserts

MADISON POLYMERIC ENGINEERING

John Dacier, Madison Polymeric Engineering

My experience with KMT makes me feel like I have a true partner in our relationship with this supplier. It is a pleasure to work with a company as professional, well run and well-staffed as KMT.

madpoly.com



Eric Hughes, Multec Packaging

KMT service is second to none and is the reason I only buy and will only buy KMT machines & parts period. The KMT Service Team is World Class!

multecpkging.com



Lothar Ingenrieth, Borgers USA

I think that the KMT PM Service is a valuable tool to keep the downtime to a minimum and get a good understanding on when to order spare parts

Borgers-group.com



Ryan Walsh, Owner, Ridiculous Winches

I have always flown the KMT flag proudly. The KMT Service Team has always been a HUGE help also and VERY friendly with all of the information. Needless to say, the KMT water jet pump runs BEAUTIFULLY!

Ridiculouswinches.com

DESCRIPTION**PART NO.**

Filter Housing Assembly – LP Water, .75 FNPT connections, stainless steel, manual relief valve. (Uses Part Number 49834716 Filter Element). Replaces Part #05038690	72118339	
FILTER ELEMENTS		
LP Water 10 micron, 10.0 long, polypropylene.	10106722	
LP Water 40 micron, 10.0 long, polypropylene.	10100782	
LP Water 10 micron, 20.0 long, polypropylene.	49834716	
Filter Strainer, 50 NPTF, 40 Mesh, polypropylene.	20412815	
VANE PUMPS		
200 psi, 1.33 gpm, Stainless Steel, CW ROT For 15 to 60 horsepower intensifiers with temperature probe connected to the booster pump.	05071659	
200 psi, 1.33 gpm, Stainless Steel Used on all SL-V, E-Series and S-Series units. For 15 to 60 horsepower intensifiers that have no switch connected to the booster pump.	49887094	
Water Modulating Valve	10091866	

DESCRIPTION

PART NO.

FILTER ELEMENTS			
Hydraulic, 6 micron, 4.0 long, spin on. For 15 to 60 horsepower units.	05049689		
Hydraulic, 10 micron, 9.40 long, spin on. For 75 to 200 horsepower units.	05104187		
Pressure Gauge - 0-5,000 psi, .25 bottom mount For .88 plungers, SL-IV and SL-V.	05045497		
Knob Adjuster- Used on all Hydraulic Cartridge Valve Assembly Pressure Relief, 25-3000 psi, SL-V, E-Series and S-Series units.	10187052		
Directional Control Valve - Electric, 24V DC, D03, 4-way Pilot section for SL-IV	05017553		
Directional Control Valve Assembly, 24V DC, D08, .055 orifice. For SL-IV & SL-V 30, 50, 60 horsepower intensifiers	20437164		
O-RINGS			
SEALING HEADS			
O-Ring - 129, 1.56 x 1.75 x .09, Buna-N, D-70	10074904		
O-Ring - 131, 1.69 x 1.88 x .09, Buna-N, D-70 Used on all PRO® units.	10146082		
O-Ring, Metric, 3MM x 1XX, Buna-N, D-70 Used on SL-III and SL-IV units	05049853		
O-Ring - 212, .88 x 1.13 x .13, Viton, D-75	10074367		

DESCRIPTION**PART NO.****O-RINGS****TOPWORKS****O-Ring - 132, 1.75 x 1.94 x .09, Buna-N, D-70**

Used on all 55,000 and 60,000 psi units.

10074920

**O-Ring - 214, 1.0 x 1.25 x .13, Buna-N, D-70**

Used on all S50 units and all SL-V and E-Series units with a 15 to 60 horsepower rating.

10074409

O-Ring - 240, 3.75 x 4.0 x .13, Buna-N, D-70

Used on all SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating.

10075000

O-Ring - 218, 1.25 x 1.50 x .13, Polyurethane, D-70

05087713

O-Ring - 115, .69 x .88 x .09, Buna-N, D-70

Used on all **PRO®** units.

05144191

O-RINGS**INLINE FILTER****O-Ring – 012, .38 x .50 x .06, Viton, D-75**

Used in BF 103473 Filter Assembly

10074599



DESCRIPTION

PART NO.

O-RINGS

PNEUMATIC VALVES**O-Ring – 035, 2.25 x 2.38 x .06, Viton, D-75**Used on all 60,000 and **90,000 psi** N/O
pneumatic actuator assy's.**10074565****O-Ring – 143, 2.44 x 2.63 x .09, Viton, D-75**Used on all 60,000 and **90,000 psi** N/O
pneumatic actuator assy's.**10074714****O-Ring – 038, 2.63 x 2.75 x .06, Viton, D-70**Used on all 60,000 and **90,000 psi** N/C
pneumatic actuator assy's.**10177806****O-Ring – 044, .08 x .20 x .06, Viton, D-75**Used on all 60,000 and 90,000 psi N/C
pneumatic valve assy's.**49895584**

O-RINGS

CUTTING HEADS**O-Ring – 013, .44 x .56 x .06, Buna-N, D-70**Used on Abrasive Inlet Adapter, IDE
Cutting Head. Used on IDE II & **IDE PRO** heads.**10074870****O-Ring – 012, .38 x .50 x .06, Buna-N, D-70**Used on **AutoLine PRO** cutting head assy's.**05077078****O-Ring – 012, .38 x .50 x .06, Polyurethane, D-70**

Used on AutoLine & AutoLine II cutting head assy's.

05081518**O-Ring – 016, .63 x .75 x .06, Polyurethane, D-70**

Used on AutoLine I cutting head assy's.

05092887**O-Ring – 014, .50 x .63 x .06, Polyurethane, D-70**

Used on AutoLine I cutting head assy's.

05104930**O-Ring – 011, .31 x .44 x .06, Aflas, D-70 . Used on**AutoLine II & **AutoLine PRO** cutting head assy's.**20445476**

DESCRIPTION

PART NO.

HOSES

GAUGES

ELECTRICAL

HOSES

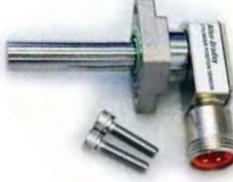
HOSES	PART NO.	IMAGE
Polyurethane Tubing - .38, Clear	49885361	
Push-on Hose - .50, 300 psi, Blue	20421272	
PVC Tubing - .50 x .748, Reinforced, Static-free	05076963	
Flexible Tubing - .50, Nylon	05044532	

GAUGES

Pressure Gauge – 0-200 psi, .25 NPT, back mount, Stainless Steel.	05139506	
Pressure Gauge - 0-5,000 psi, .25 bottom mount For .88 plungers, SL-IV and SL-V.	05045497	
Pressure Gauge - 0-100,000 psi, .25 HP, 4.25" Face Bottom Mount. For use on 60,000 psi pumps.	20443831	
Pressure Gauge - 0-100,000 psi, .25 HP, Bottom Mount 6" Face, Glycerin filled. For use on 60,000 psi pumps.	05125836	
Pressure Gauge - 0-150,000 psi, .38 HP, Flush Mount 6" Face, Glycerin filled. For use on 90,000 psi pumps. Requires 20464745 Adapter.	20467883	

DESCRIPTION

PART NO.

PROXIMITY SWITCH KITS		
E50, 55,000/60,000 psi Used on all SL-IV, SL-V, E-Series and S-Series units with a 15 to 60 horsepower rating. Replaces Part #05127584	20453934	
60,000 psi, 75-200 horsepower Used on all 1-1/8" plunger topworks Used on all 90,000 psi PRO® units.	20453925	
Conduit - Extra Flexible - .25, Stainless steel Conduit - Extra Flexible - .38, Stainless steel Conduit - Extra Flexible - .56, Stainless steel	20422988 10186153 05086905	
Solenoid Valve - 24V DC	49888035	
Output Module - Single Point, 24V DC, 3 amp	10146363	
Inlet Pressure Switch, 30 psi, Stainless Steel	05140751	
Directional Control Valve - Electric, 24V DC, D03, 4-way Pilot section for SL-IV.	05017553	

DESCRIPTION

PART NO.

Directional Control Valve Assembly, 24V DC, D08, .055 orifice. For SL-IV & SL-V 30, 50, 60 horsepower intensifiers.	20437164	
LIGHT BULBS		
24V. For use with Klockner Moeller Switches	05050216	
24V AC/DC. For AB 800F	20484737	
PRESSURE TRANSDUCERS		
Pressure Transducer - 0-75,000 psi	49838478	
UHP Pressure Transducer - 0-90,000 psi	20481140	
PICO Fuse	49885866	
Hose – Ferrule, .25 x .265 x .718, Brass	20422970	
Hose – Ferrule, .38 x .265 x .718, Brass	10083897	
Hose – Ferrule, .56 x .265 x .718, Brass	05131347	

DESCRIPTION

PART NO.

TOPWORKS		
Cylinder Wrench 60,000 psi	05066139	
HP Seal Removal Tool .88 Plunger, 60,000 psi	10148674	
HP Seal Removal Tool 1.13 Plunger, 60,000 psi	05146618	
Hydraulic Tensioner Assembly, PRO® Intensifier 90,000 psi	20476132	
Plate Glass Pane 8.0 x 8.0 x .25	10149052	
Cylinder Clamp, PRO® Intensifier 90,000 psi	20476495	
Plunger Removal Tool .88 Plunger, 60,000/90,000 psi	20477460	
Plunger Removal Tool 1.13 Plunger, 60,000 psi	20477469	
Crowfoot Wrench 1.625, .38 drive	20477489	
Vee Block Cradle	20484961	
HP Seal Removal Tool Stand - 60,000 psi	80078330	

DESCRIPTION

PART NO.

TOPWORKS		
End Cap Wrench - 6x/8x, HSEC, 60,000 psi	80079239	
Emery Cloth - 320 Grit, 9.0 x 11.0	10149029	
Emery Cloth - 400 Grit, 9.0 x 11.0	10149037	
Emery Cloth - 600 Grit, 9.0 x 11.0	10149045	
LUBRICANTS		
Pure Goop Thread Lubricant - 1.0 pound	05026281	
Pure Goop Thread Lubricant - 1.0 ounce	10084440	
NLGI-2 Swivel Grease - 14.0 ounce	10067189	
FML-2 Grease - FDA Approved - 14.5 ounce	10087385	
Super-O-Lube O-Ring Grease - .07 ounce	20485968	
Threadlocker Adhesive – 242, .50 ML	20487868	
Threadlocker Primer - 1.75 ounce	20494983	
JL-M Thread Lubricant - 16.0 ounce	49832199	
JL-M Thread Lubricant - 15 ML	80082191	

DESCRIPTION

PART NO.

CONING & THREADING		
Tool Kit - Hand Coning/Threading Tools Kit includes .25, .38 and .56 hand coning & hand threading tool.	20454198	
Tool Kit - Power Coning/Threading Tools Kit includes .25, .38 and .56 power coning & power threading tool	20454201	
BLADE		
.25, Hand or Power, Coning	05108808	
.38, Hand or Power, Coning	05108824	
.56, Hand or Power, Coning	05108816	
RETAINER		
.25, Hand or Power, Bronze, Threading	05108741	
.38, Hand or Power, Bronze, Threading	05108758	
.56, Hand or Power, Bronze, Threading	05108766	
RETAINER		
.25, Power, Bronze, Coning	05109814	
.38, Power, Bronze, Coning	05109822	
.56, Power, Bronze, Coning	05109830	
TUBE VISE		
.25	05108782	
.38	05108790	
.56	05108774	

DESCRIPTION

PART NO.

CONING TOOL ASSEMBLIES

Includes 4 oz Coning Lubricant

.25, Hand 05108832

.38, Hand 05108857

.56, Hand 05108840



.25, Power 05109897

.38, Power 05109889

.56, Power 05109871

**THREADING TOOL ASSEMBLIES**

Includes 4 oz Coning Lubricant

.25, Hand 05108865



.38, Hand 05108873

.56, Hand 05108881

.25, Power 05122742



.38, Power 05120258

.56, Power 05122759

DESCRIPTION

PART NO.

CONING & THREADING		
THREADING DIE		
1/4-28 LH, .25, Hand or Power	05108899	
3/8-24 LH, .38, Hand or Power	05108915	
9/16-18 LH, .56, Hand or Power	10078301	
COLLET		
Collet - .25, Hand Coning, Stainless Steel	05108972	
Collet - .38, Hand Coning, Stainless Steel	05108964	
Collet - .56, Hand Coning, Stainless Steel	20439964	
PNEUMATIC VALVES		
Kit - Seal Tools, 60,000/90,000 psi Pneumatic Valves Kit includes the positioning, push and installation tools used to service all HP and UHP pneumatic valves.	20470475	
Kit - N/C Actuator Assembly, 60,000/90,000 psi Kit includes top and bottom protector tool, and snap ring pliers to service all HP and UHP, N/C pneumatic actuator assemblies.	80077795	
Seal Positioning Tool NO/NC valves, 2-port dump valve. 60,000/90,000 psi	05067350	
Seal Positioning Tool Quick Release Valve, 3-port dump valves	49833114	

DESCRIPTION

PART NO.

MANUALS

MANUALS

DVD INCLUDED

KMT Waterjet Pumps combine all the unique capabilities and advantages of waterjet cutting systems with the reliability, ease of operation and service support that have made KMT Waterjet Systems a leader in waterjet technology.

Operations and Maintenance Manual for SL-V 30

20412890

Operations and Maintenance Manual for SL-V 50

20413039

Operations and Maintenance Manual for SL-V 60

20413062

Operations and Maintenance Manual for SL-V 75

20413096

Operations and Maintenance Manual for
Streamline S-30

20425545

Operations and Maintenance Manual for
Streamline PRO® 60

20477256

Operations and Maintenance Manual for SL-V 15

20492248

Operations and Maintenance Manual for S-50

20479050

Operations and Maintenance Manual for
Streamline PRO® 125

20485224



**PLEASE HAVE YOUR
PUMP SERIAL
NUMBER AVAILABLE
WHEN ORDERING
MANUALS.**

KMT Waterjet is a leading manufacturer of waterjet cutting systems and developer of "Cutting Edge Solutions" for customers in a very wide range of industries. The focus of the company is on intelligently developing systems and parts for ease of use and reliable operation by customers.

The strength of the company is found in the strong waterjet experience (tracing back to 1971) of the

employees, the largest network of system integrators in the world, the continual investment in research and development and the ability to use customer feedback. The world's largest network of system integrators and support people are available to assist with more information at any time.

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