



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



MEASUREMENT CALCULATOR:

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

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NOTE: HP & **UHP** STAINLESS STEEL BENT TUBING IS INTENSIFIER MODEL SPECIFIC. PLEASE CONTACT KMT GENUINE PARTS CUSTOMER SERVICE FOR ORDERING ASSISTANCE @ 800-826-9274.

NOTE: HP & **UHP** COILS ARE ROBOT SPECIFIC. PLEASE CONTACT KMT GENUINE PARTS CUSTOMER SERVICE FOR ORDERING ASSISTANCE @ 800-826-9274.

HP & **UHP** STAINLESS STEEL STRAIGHT TUBING IS SOLD IN RANDOM LENGTHS. PLEASE CONTACT KMT CUSTOMER SERVICE FOR ORDERING ASSISTANCE @ 800-826-9274.

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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



CUTTING HEAD ASSEMBLIES

REPLACEMENTS PARTS

ORIFICES

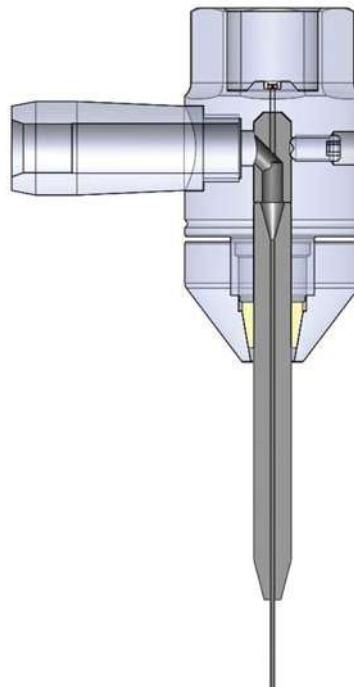
**FOR COMPLETE CUTTING HEAD ASSEMBLIES, PLEASE
CALL KMT CUSTOMER SERVICE AT 800-826-9274.**



CUTTING HEAD REPLACEMENT PARTS

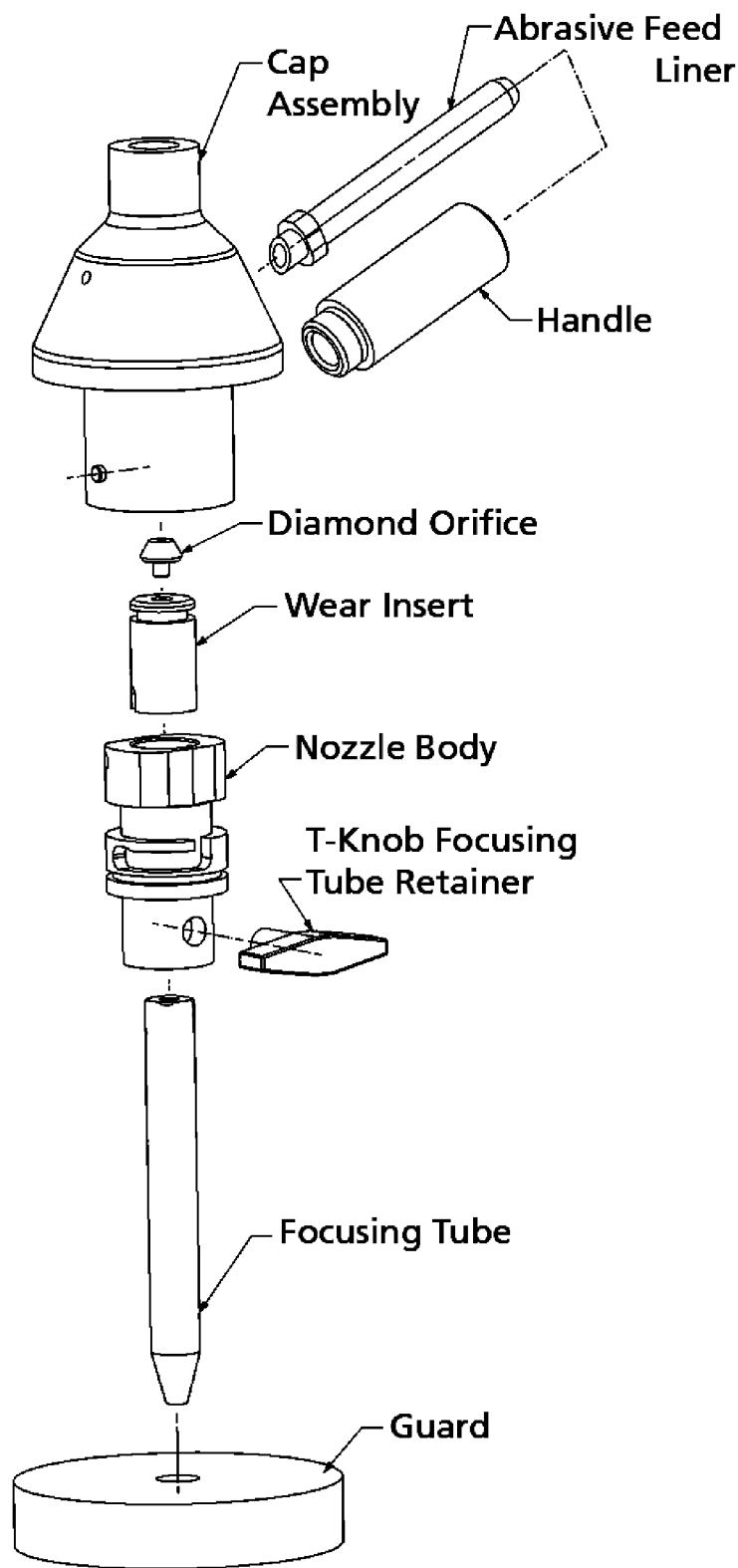


KMT's Autoline® & IDE® cutting heads include patented designs, engineered and manufactured to deliver the best cutting performance in the industry. Ensure you cut with the greatest value & speed by using KMT Genuine Parts.



KMT Genuine Parts
Your business is worth it.

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

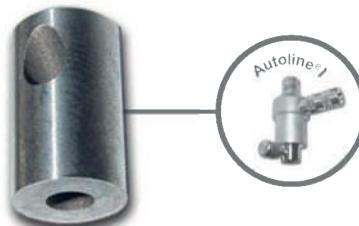
.043, 45° Inlet, Tungsten Carbide

05135827

.052, 45° Inlet, Tungsten Carbide

20442434

PART FITS ON:



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

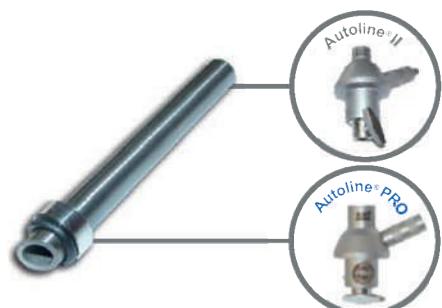
05076989

AutoLine® II & **AutoLine® PRO**,
Stainless Steel

20453973

ABRASIVE FEED TUBE ASSEMBLYAutoLine® II and **AutoLine® PRO**

20453964

**KNOB RETAINER**

AutoLine® I, Stainless Steel

05078712

AutoLine® II and **AutoLine® PRO**, T-Handle, Stainless Steel

20453976

ABRASIVE GUARDAutoLine®, AutoLine® II and **AutoLine® PRO**

05087168



DESCRIPTION

PART NO.

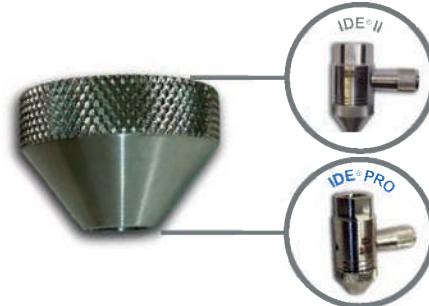
PART FITS ON:

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.

20454363



.38 M x .25 F, High Pressure Tubing

20454366



.38 M x .38 F, High Pressure Tubing



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.

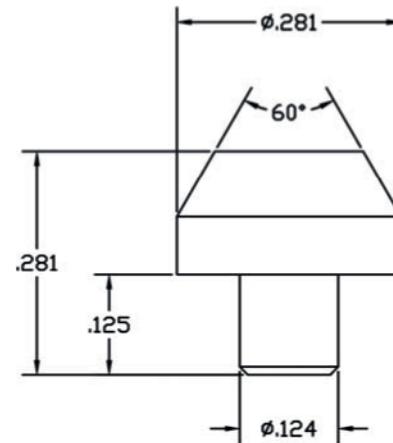
DESCRIPTION

PART NO.

ORIFICES FOR ABRASIVE CUTTING

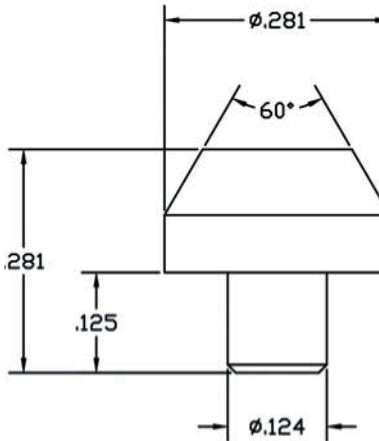
Diamond, 60,000 psi, Autoline® I & II
For True Alignment & Maximum Performance.

.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

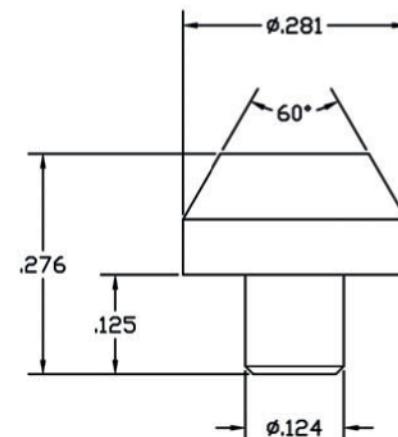
.007 (.178)	05109079
.008 (.203)	05109087
.009 (.229)	05109095
.010 (.254)	05109103
.011 (.279)	05109111
.012 (.305)	05109129
.013 (.330)	20412569
.014 (.356)	05109137
.016 (.406)	20448541
.018 (.457)	05114913
.019 (.482)	80086671
.020 (.508)	05114921



DESCRIPTION**PART NO.****ORIFICES FOR WATER ONLY CUTTING**

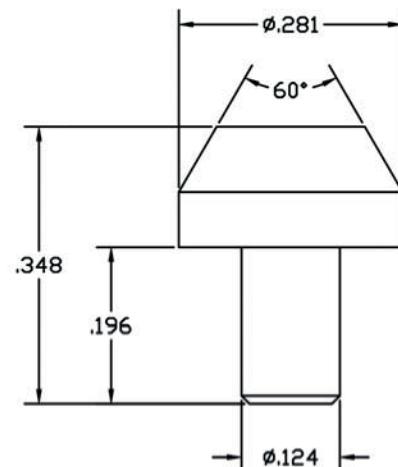
Diamond, 60,000 psi

.003 (.076)	49888852
.004 (.102)	49888860
.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

.003 (.076)	A2260003
.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

**FOCUSING TUBES****PNEUMATIC VALVES****ORIFICES - WATER ONLY**

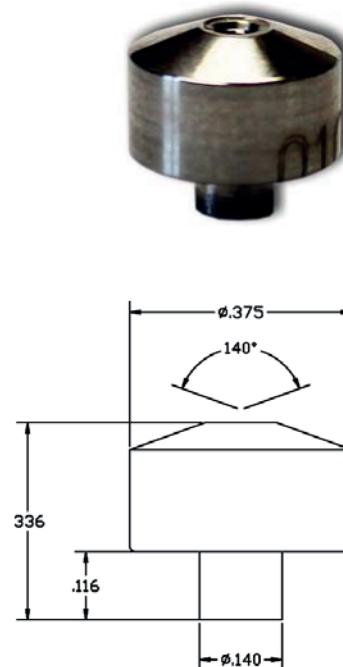
DESCRIPTION

PART NO.

ORIFICES FOR ABRASIVE & WATER
ONLY CUTTING

Diamond, 90,000 psi, Autoline® PRO

.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

FOODgrade™ ORIFICES FOR WATER ONLY CUTTING

Diamond, 60,000 psi

.005 (.152)

72113688

.006 (.178)

72132350

.007 (.178), 3/8-24 Thread

72113753

.007 (.178)

72113680

.008 (.203)

72132358

.009 (.229)

72136231

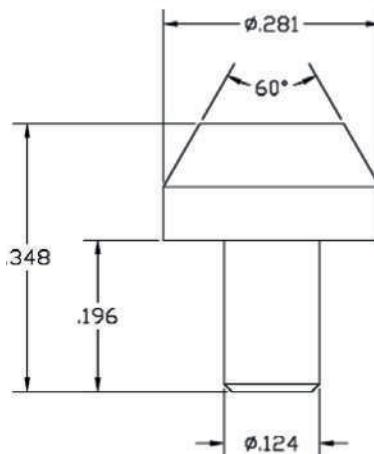
.010 (.254)

72136249

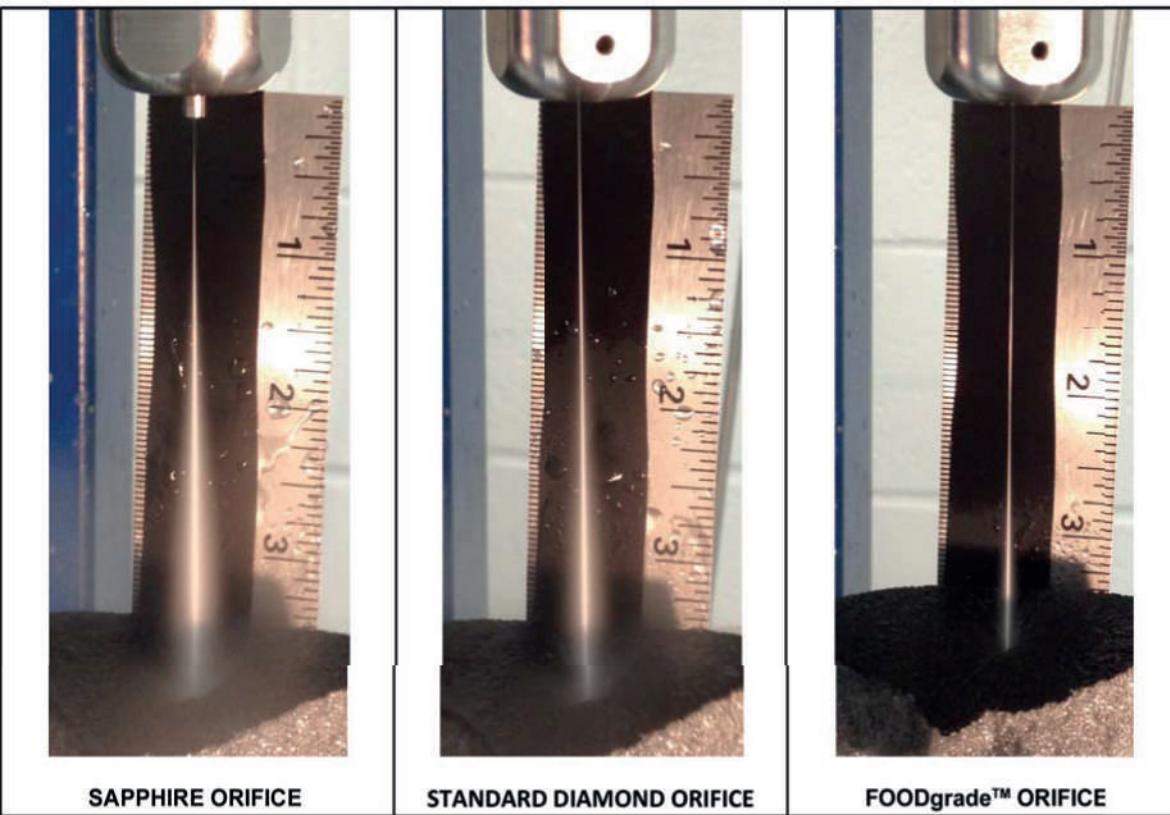
.011 (.279)

72136256

PART NO.



WATER ONLY ORIFICE COMPARISONS



SAPPHIRE ORIFICE

STANDARD DIAMOND ORIFICE

FOODgrade™ ORIFICE

ORIFICES - WATER ONLY

FOCUSING TUBES

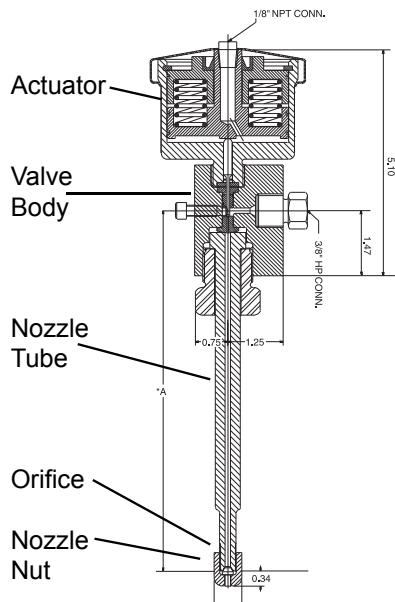
PNEUMATIC VALVES

PNEUMATIC VALVE PARTS

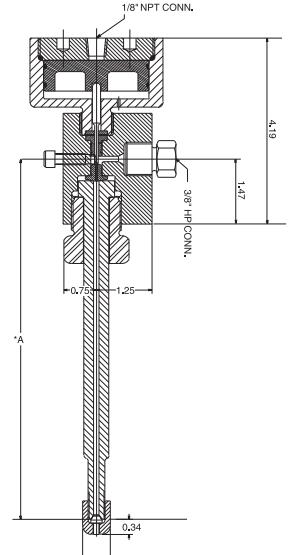
FOCUSING TUBES

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
FOCUSING TUBES			
ROCTEC® 100		ROCTEC® 500	
.021 x 2.0	10139426	.021 x 2.0	05097928
.021 x 3.13	20451227	.030 x 3.13	05097944
.025 x 3.13	20452309	.036 x 3.13	05116652
.030 x 3.13	10126969	.043 x 3.13	05097936
.030 x 4.0	20428126	.093 x 3.13	05130927
.036 x 3.13	80075252		
.039 x 3.13	49833593		
.040 x 3.13	49835390	PRO® Series Indexed	
.040 x 3.00 x 25D	20481210	The PRO® Series features the superior HyperTube® Index Design for longer, more uniform wear preventing “focusing tube blow-out”.	
.043 x 3.13	10126928	.030 x 3.0	20477366
.052 x 3.13	05117528	.030 x 4.0	20477382
.058 x 3.13	05051891	.033 x 4.0	20490760
.063 x 3.13	10126936	.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
IRWJ-200			
.020 x 3.0, IRWJ	49839913		
.030 x 3.0, IRWJ	49837933		
.040 x 3.0, IRWJ	49837941		





Normally Open



Normally Closed

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



DESCRIPTION

PART NO.

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 tube 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")

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

MEASUREMENT CALCULATOR:

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

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



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")

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

MEASUREMENT CALCULATOR:

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

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



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

.75 x 4.50, LH Thread

20487249

.75 x 5.75, LH Thread

20487257

.75 x 6.25, LH Thread

20497106

.75 x 9.75, LH Thread

20487273

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		UHP Stainless Steel Tee Assembly, 100,000 psi	
.25	10079481	.25	20455824
.38	10078590	.38	20455812
.56	10079465	.56	20455374

			
HP Stainless Steel Cross Assembly, 60,000 psi		UHP Stainless Steel Cross Assembly, 100,000 psi	
.25	10097228	.25	20452971
.38	10078038	.38	20452968
.56	10079168	.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

.75 F x .56 M

49832801

.75 M x .56 F

49837206



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		
.75	49832678		
			
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

HP & UHP FITTINGS

TUBING

SWIVEL JOINT ASSY'S



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

MEASUREMENT CALCULATOR:

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

DESCRIPTION

PART NO.

STAINLESS STEEL TUBING - 66,000 PSI		
CONED & THREADED - <i>UP TO 8.0" LENGTHS</i>		
.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 .083 x 240.0", 316		10094183
.56 x .083 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			MEASUREMENT CALCULATOR: .25 = 1/4 inch .56 = 9/16 inch .38 = 3/8 inch .75 = 3/4 inch
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 .083 x 240.0", HP160		20489115	
.56 x .083 x 240.0", HP160		72103535	

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 @800-826-9274.		
HP & UHP STAINLESS STEEL COILS ARE ROBOT SPECIFIC. PLEASE CONTACT KMT CUSTOMER SERVICE FOR ORDERING ASSISTANCE @800-826-9274.		
HP & UHP STAINLESS STEEL STRAIGHT TUBING IS SOLD IN RANDOM LENGTHS. PLEASE CONTACT KMT CUSTOMER SERVICE FOR ORDERING ASSISTANCE @800-826-9274.		

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

TOPWORKS

SEALING HEADS

SWIVEL JOINT ASSY'S.

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.

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.
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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.

SKJA266

For use with HP Filter Assembly CJ200988

Filter Element - HP Water Filter Assembly, 60,000 psi
.56, Sintered Cup, 20 Micron.

AF503473

For use with HP Filter Assembly BF103473



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

20453553

Sintered Cup, 20 Micron.

For use with UHP Filter Assembly 20475916 & 20475944



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

20456913

Sintered Cup, 20 Micron.

For use with UHP Filter Assembly 20481026 & 20480940



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

CJ200988

.38, 20 Micron, Stainless Steel



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



MISCELLANEOUS PARTS

SEALING HEADS

TOPWORKS PARTS

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.
<h2>CYLINDER SEAL ASSEMBLIES</h2> <p>HP Cylinder Seal Assembly - 55,000 psi Used on SL-III & SL-IV units.</p> <p>HP Cylinder Seal Assembly - 55,000 psi Used on SL-I & SL-II units.</p> <h2>PROXIMITY SWITCH KITS</h2> <p>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</p> <p>Proximity Switch Kit - Used on 60,000 psi/75-200 horsepower 1-1/8" plunger intensifiers. Used on all 90,000 psi PRO units.</p>	05027172 10144590 20453934 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.
<h2>PUMP PLUNGERS</h2> <p>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.</p>	05039771
<p>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.</p>	05119151
<p>Ceramic Plunger - 1.13 plunger units, 60,000 psi Used on all SL-V units with a 75 to 200 Horsepower rating.</p>	05144506
<h2>LINERS</h2> <p>Liner – HP Cylinder .88 plunger units, 60,000 psi</p>	20497767
<p>Liner - HP Cylinder, .88 plunger units, Brass, 60,000 psi</p>	20491603
<p>Liner - HP Cylinder, 1.13 plunger units, 60,000 psi Used on all SL-V units with a 75 to 200 horsepower rating.</p>	05144555
<p>Liner - UHP Cylinder, .88 plunger units, 90,000 psi Used on all PRO units with a 60 or 125 horsepower rating.</p>	20474333

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.

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		

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

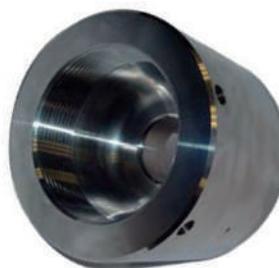


HIGH PRESSURE CYLINDER NUTS

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

Used on SL-IV. 55,000 psi

05059688



80073646



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.

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

.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.

05007786

**1.13 plunger units, 60,000 psi**

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

05145099



RETAINING RINGS

2.75, Stainless steel.

Used on all 60,000 psi units

05034798

**1.011 x .030 x .118, Stainless Steel, 90,000 psi**

Used on all 90,000 psi units.

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 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. 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, 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, 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	
HP Check Valve, Inlet/Discharge. 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	
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	

DESCRIPTION

PART NO.

REPAIR KITS		
HP Check Valve Used on SL-I & SL-II units, 55,000 psi. Kit includes seal, ball seat, compression spring, ball & ball retainer.	05115985	
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 PRO^{2®}</i>) that utilize an inlet ball. Kit includes valve seat, discharge poppet, inlet ball, poppet pin & compression spring.	72110531	
UHP Check Valve PRO^{2®} (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 PRO^{2®} (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-IV units

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.

20481005



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

05144688



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

72110979



.88 plunger, 4 stud.

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

20480113



.88 plunger

Used on all PRO²[®] units.

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



1.13 plunger units. 55,000 psi

10106417

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



1.13 plunger units. 60,000 psi

72110961

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



.88 plunger units. 90,000 psi

20479524

Used on all sealing head assemblies for PRO[®] units only
(Not PRO²_® units).



DESCRIPTION

PART NO.

GLANDS

HP Check Valve. 55,000 psi

Intermediate Gland used on SL-1 & SL-II units.

AV317274



HP Sealing Head. 55,000 psi

Ball Style Only. Used on SL-III units.

10107910



HP Sealing Head, 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 Sealing Head, .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 Sealing Head, .88 plunger units.

90,000 psi. Used on all sealing head assemblies for PRO[®] units.

20481660



SPACERS

HP Sealing Head, 1.13 plunger units.

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

05144597



HP Sealing Head. 60,000 psi

Used on SL-IV Plus units with a 15, 30, 50 or 60 horsepower rating.

05144696





MISCELLANEOUS PARTS & SUPPLIES



KMT Genuine Parts
Your business is worth it.

DESCRIPTION

PART NO.

Filter Housing Assembly – LP Water, .75 FNPT connections, stainless steel, manual relief valve. (Uses Part Number 49834716 Filter Element).	72118339	
Replaces Part #05038690		
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		
<u>SEALING HEADS</u>		
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



O-RINGS

HOSES

GAUGES

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

HOSES

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

GAUGES

Pressure Gauge – 0-200 psi, .25 NPT, back mount, Stainless Steel.

05139506



Pressure Gauge - 0-5,000 psi, .25 bottom mount

05045497

For .88 plungers, SL-IV and SL-V.



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



ELECTRICAL

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.

ELECTRICAL

MAINTENANCE TOOLS

LUBRICANTS

Directional Control Valve Assembly, 24V DC, D08, .055 orifice. For SL-IV & SL-V 30, 50, 60 horsepower intensifiers.	20437164	
Panelview Display - 550, Not programmed.	05140157	
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	

MAINTENANCE TOOLS

LUBRICANTS

CONING & THREADING

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.**

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
<hr/>	
BLADE	
.25, Hand or Power, Coning	05108808
.38, Hand or Power, Coning	05108824
.56, Hand or Power, Coning	05108816
<hr/>	
RETAINER	
.25, Hand or Power, Bronze, Threading	05108741
.38, Hand or Power, Bronze, Threading	05108758
.56, Hand or Power, Bronze, Threading	05108766
<hr/>	
RETAINER	
.25, Power, Bronze, Coning	05109814
.38, Power, Bronze, Coning	05109822
.56, Power, Bronze, Coning	05109830
<hr/>	
TUBE VISE	
.25	05108782
.38	05108790
.56	05108774



DESCRIPTION **PART NO.**

CONING TOOL ASSEMBLIES

Includes 4 oz Coning Lubricant

.25, Hand

05108832



.56, Hand

05108840

.25, Power

05109897



.38, Power

05109889

.56, Power

05109871

THREADING TOOL ASSEMBLIES

Includes 4 oz Coning Lubricant

.25, Hand

05108865



.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

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.**

MANUALS



KMT
// / / / **GROUP**