



WATERJET SOLUTIONS DE MÉXICO
20 ANIVERSARIO

KMT
GROUP

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NEW!

FOODgrade™ Orifices
Pg. 25

***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

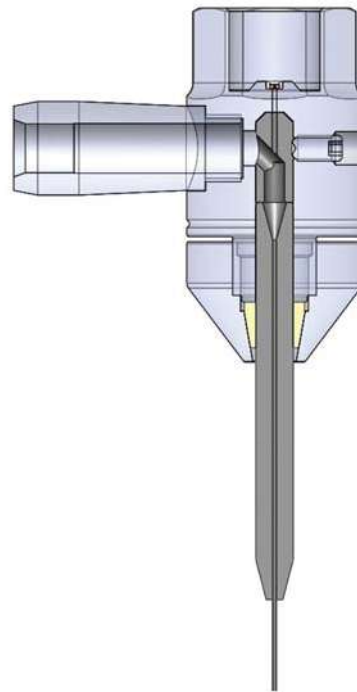
**FOR COMPLETE CUTTING HEAD ASSEMBLIES, PLEASE
CALL KMT CUSTOMER SERVICE AT 800-826-9274.**



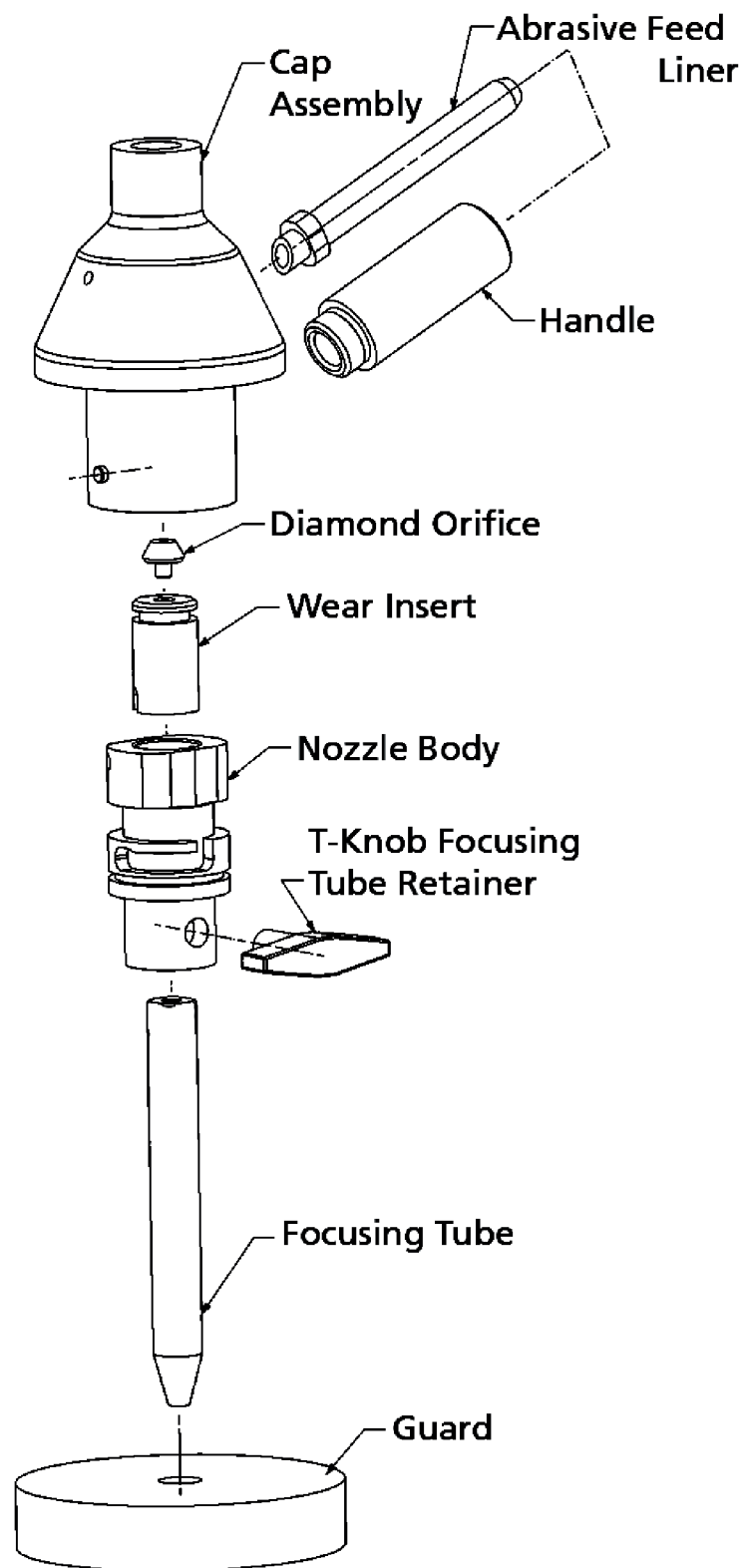
CUTTING HEAD REPLACEMENT PARTS



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.



AUTOLINE® CUTTING HEAD ASSEMBLY COMPONENTS



DESCRIPTION	PART NO.	
CAP		PART FITS ON:
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.

WEAR INSERTS

AutoLine® II - 60,000 psi

.030, 25° Inlet

20453064

.043, 25° Inlet**20453082**

.054, 25° Inlet

20454339

PART FITS ON:

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 Autoline® II & Autoline® PRO, Stainless Steel	05076989 20453973	PART FITS ON:     
ABRASIVE FEED TUBE ASSEMBLY AutoLine® II and AutoLine® PRO	20453964	  
KNOB RETAINER Autoline® I, Stainless Steel Autoline® II and Autoline® PRO, T-Handle, Stainless Steel	05078712 20453976	    
ABRASIVE GUARD Autoline®, Autoline® II and Autoline® PRO	05087168	

DESCRIPTION

PART No.

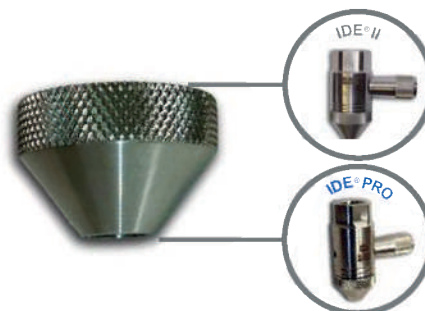
PART FITS ON:

IDE[®] RETAINING NUT

.38, Stainless Steel

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

20454342

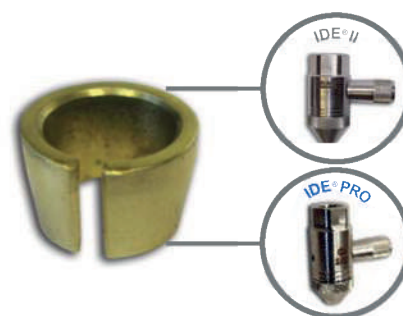


FOCUSING TUBE RETAINING COLLET

.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.

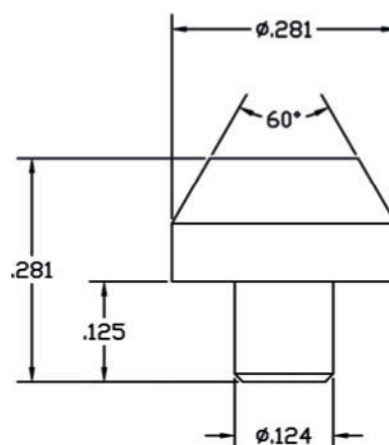
DESCRIPTION

PART No.

ORIFICES FOR ABRASIVE CUTTING

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

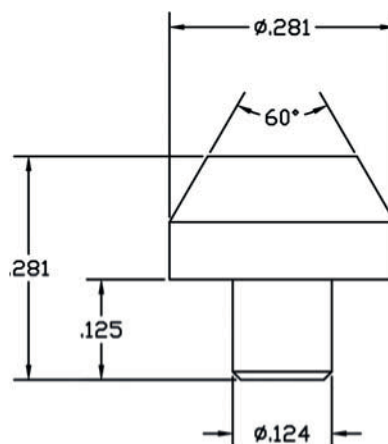
.004 (.102)	20448625
.007 (.178)	05063847
.008 (.203)	05112537
.009 (.229)	05084504
.010 (.254)	05077029
.011 (.279)	05101753
.012 (.305)	05077300
.013 (.330)	05136098
.014 (.356)	05077037
.015 (.381)	80075781
.016 (.406)	05121512
.018 (.457)	05114905
.019 (.482)	80086663
.020 (.508)	05114897



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



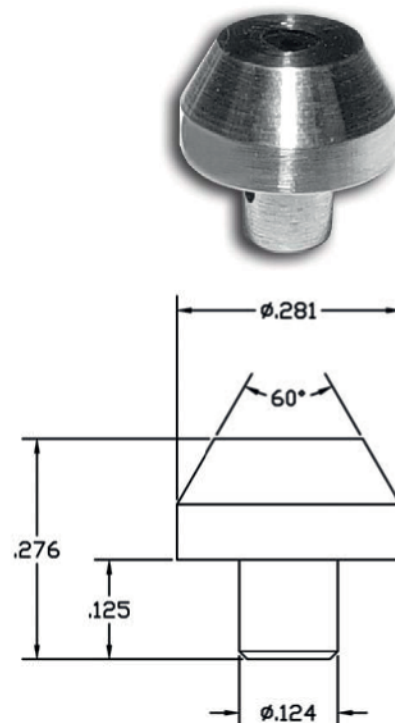
DESCRIPTION

PART No.

ORIFICES FOR WATER ONLY CUTTING

Diamond, 60,000 psi

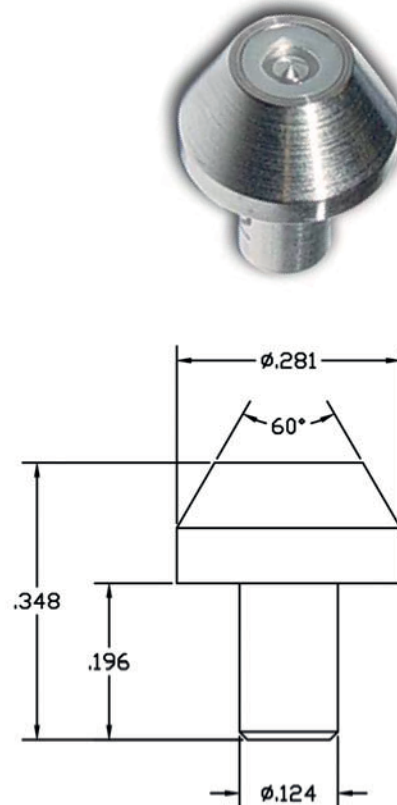
.003 (.076)	49888852
.004 (.102)	49888860
.005 (.127)	49888878
.006 (.152)	49888886
.007 (.178)	49888894
.008 (.203)	49888902
.009 (.229)	49888910
.010 (.254)	49888928
.012 (.305)	49888936
.013 (.330)	49836786
.014 (.356)	49888944
.015 (.381)	49888951
.016 (.406)	49888969
.018 (.457)	49888977
.019 (.483)	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



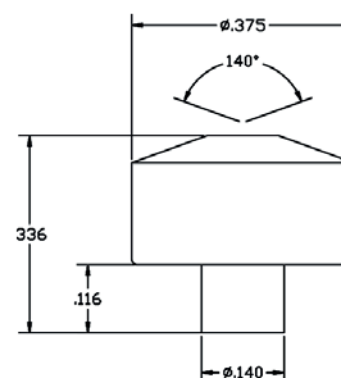
DESCRIPTION

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



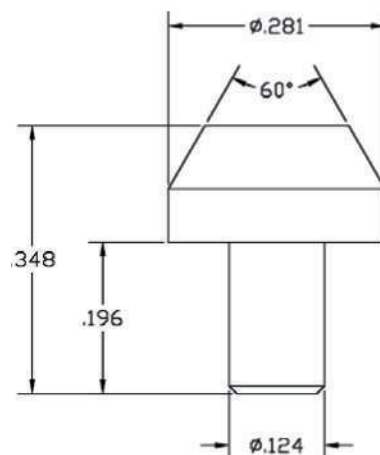
DESCRIPTION

PART No.

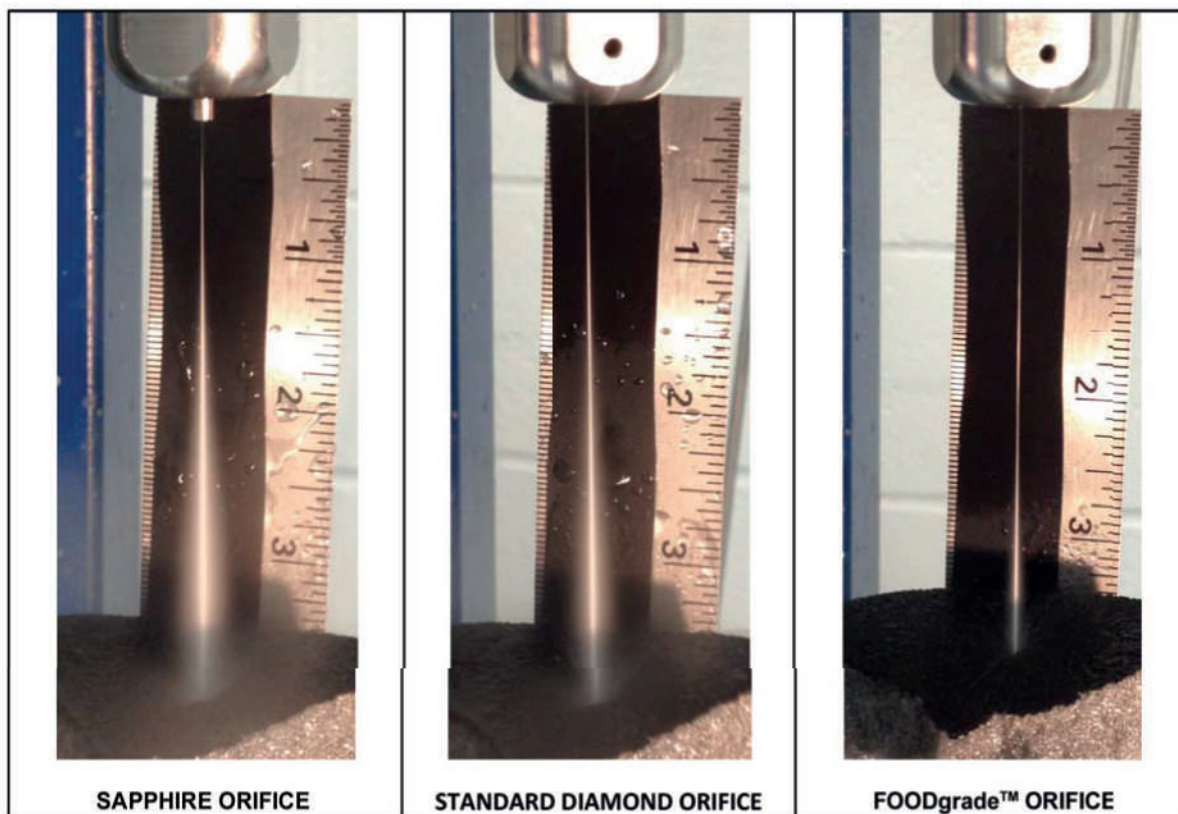
FOODgrade™ ORIFICES FOR WATER ONLY CUTTING

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



WATER ONLY ORIFICE COMPARISONS



SAPPHIRE ORIFICE

STANDARD DIAMOND ORIFICE

FOODgrade™ ORIFICE

ORIFICES - WATER ONLY

FOCUSING TUBES

PNEUMATIC VALVES

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



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

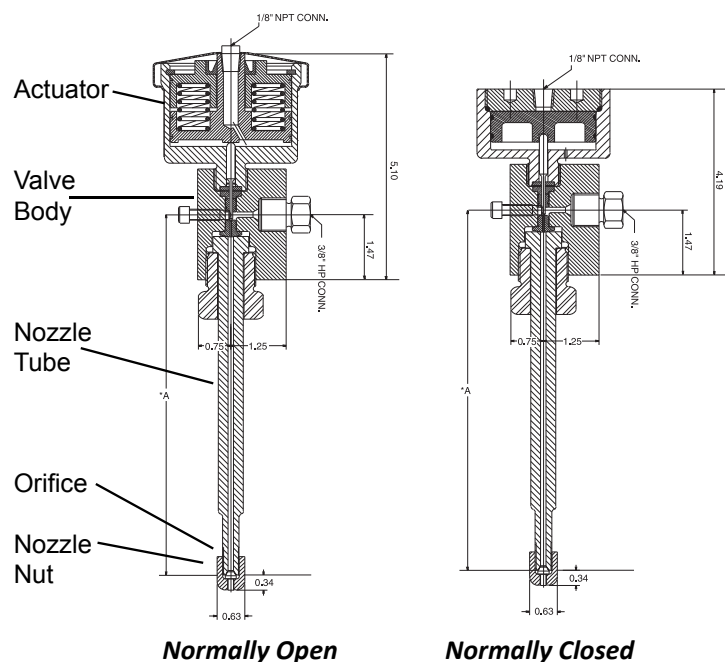
20486158

.048 x 4.0

20490768

HyperTube®
Index Design





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



PNEUMATIC VALVE PARTS

NOZZLE TUBES

ABRASIVE MANAGEMENT SYSTEMS

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



PNEUMATIC VALVE PARTS

NOZZLE TUBES

ABRASIVE MANAGEMENT SYSTEMS

DESCRIPTION	PART No.	
BACKUP RINGS HP Pneumatic Valve, Stainless Steel, 60,000 psi. For use on all KMT HP pneumatic valves. UHP Pneumatic Valve, Stainless steel, 90,000 psi For use on all KMT UHP pneumatic valves.	10187250 20475882	
NOZZLE NUTS .38, LH Thread , 60,000 psi .56, LH Thread , 60,000 psi	B2841 B3393	
VALVE GLANDS .56, Valve nut for Nozzle Tube, Stainless Steel, 60,000 psi/90,000 psi .75 Valve nut for Nozzle Tube, Stainless Steel, 60,000 psi/90,000 psi	BV701184 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")

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")

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

10078525



UHP Stainless Steel Elbow Assembly, 100,000 psi

.25

20455821

.38

20455809

.56

20455377

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 Tee
Assembly, 60,000 psi

.25

10079481

.38

10078590

.56

10079465



UHP Stainless Steel Tee
Assembly, 100,000 psi

.25

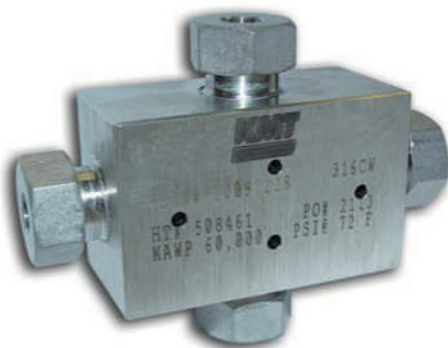
20455824

.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

HP & UHP FITTINGS

TUBING

SWIVEL JOINT ASSY'S.

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

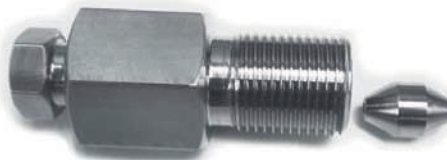
10079655

.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

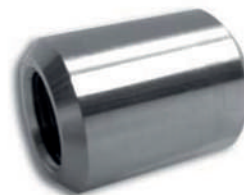
10078426

.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

.25

10078459

Anti-Vibration, .25

10078699

.38

10078129

Anti-Vibration, .38

10078913

.56

10078608

Anti-Vibration, .56

10093573

.75

49832678



UHP Stainless Steel Gland
100,000 psi

.25

20452962

.38

20452956

.56

20453121



HP Stainless Steel Adapter
Cone, 60,000 psi

.25

10116333

.38

10078509

.56

10079291



UHP Stainless Steel Adapter
Cone, 100,000 psi

.25

72133266

.38

72122072

.56

72133349

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.

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

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.

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 .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

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

MEASUREMENT CALCULATOR:

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



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

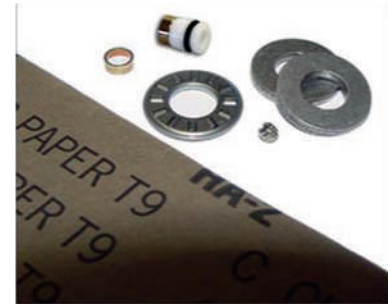
PART No.

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

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



Photo not available

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



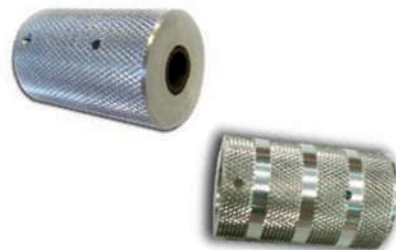
CAP ASSEMBLIES

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.

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

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

MEASUREMENT CALCULATOR:

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

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



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.

WATER FILTER ASSEMBLIES

MEASUREMENT CALCULATOR:

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

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.

TOPWORKS PARTS

SEALING HEADS

MISCELLANEOUS PARTS

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.

TOPWORKS PARTS

SEALING HEADS

MISCELLANEOUS PARTS

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.

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. Replaces Part #20414862	72120023	
.88 plunger HSEC units. 55,000 psi Used on all E-Series units with a 30 or 50 horsepower rating. Replaces Part #20434777	72119529	
.88 plunger. 55,000 psi Used on SL-IV units.	05059712	
.88 plunger. 55,000 psi Used on SL-I & SL-II units. Replaces Part #10097822	05136312	

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.	
<p>HP Cylinder Assembly - .88 plunger. 55,000 psi Used on SL-I & SL-II units.</p>	10098366	
<p>HIGH PRESSURE CYLINDER NUTS</p> <p>HP Cylinder Nut – SSEC (Soft Seal End Cap). Used on SL-IV. 55,000 psi</p> <p>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.</p>	05059688 80073646	 
<p>Packing Follower - HP Cylinder Assembly, 1.373 x .878. 55,000 psi. Used on SL-I & SL-II units.</p>	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

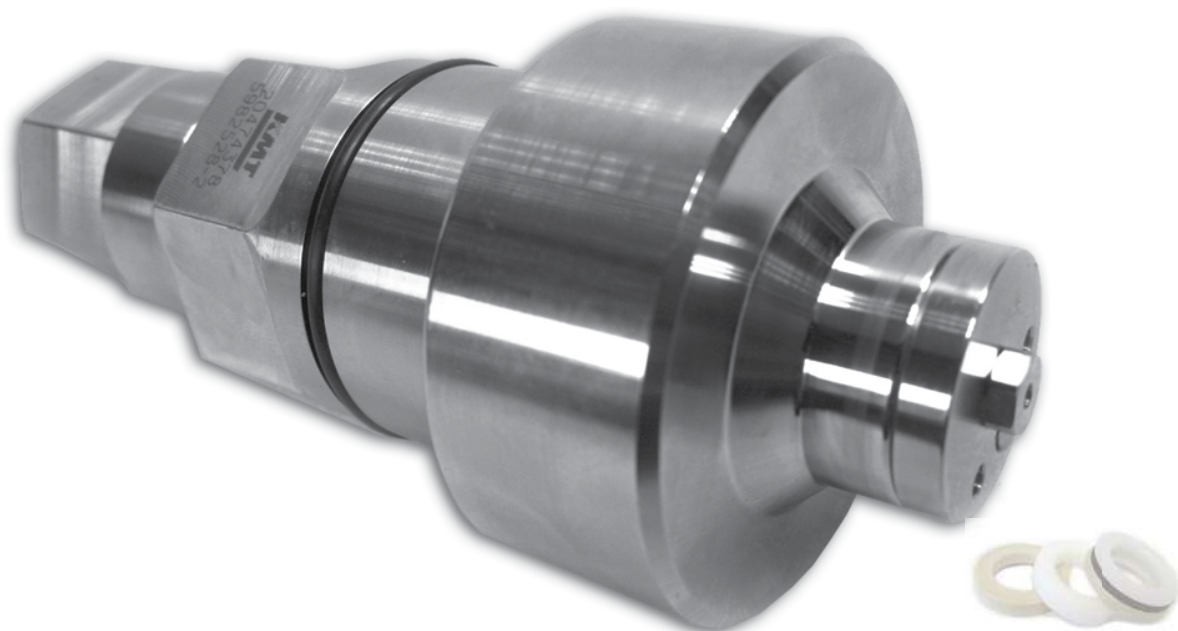
05034798**1.011 x .030 x .118, Stainless Steel, 90,000 psi**

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 washer style 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 button style 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 button style 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 washer style 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 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 HP Sealing Head 55,000 psi. Used on SL-I & SL-II units.	10110393 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 PRO²® 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

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



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). 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

10146082

Used on all PRO® units.

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

10074409

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

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

10075000

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

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

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**

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**

05125836

6" Face, Glycerin filled. For use on 60,000 psi pumps.

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

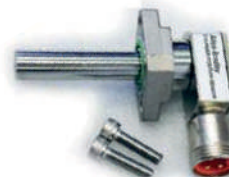


60,000 psi, 75-200 horsepower

Used on all 1-1/8" plunger topworks

Used on all 90,000 psi PRO® units.

20453925



Conduit - Extra Flexible - .25, Stainless steel

20422988

Conduit - Extra Flexible - .38, Stainless steel

10186153

Conduit - Extra Flexible - .56, Stainless steel

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	
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	

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**

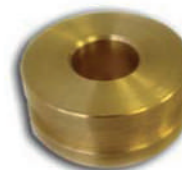
.25, Hand or Power, Bronze, Threading

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

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.**



WATERJET SOLUTIONS DE MÉXICO
20 ANIVERSARIO

KMT
GROUP