



WORLD'S FASTEST WATERJET



KMT WATERJET PARTS CATALOG



Genuine Parts

Your business is worth it.

FALL 2017



KMT Genuine Parts Your business is worth it.

In 1971, the very first commercial installation of a waterjet cutting system began operation using a KMT intensifier. Since then, KMT pumps with KMT Genuine Parts have served customers reliably across many industries, including yours.

KMT Genuine Parts are manufactured in the USA to the exact standards as the original parts found on new KMT pumps. Our expertise and operating experience extends from the original SL-I operating at 3,800 bar all the way to today's industry-leading KMT PRO pumps cutting at 6,200 bar. No other provider has this breadth of experience and you can rest assured that your KMT pump will operate at peak performance when you use KMT Genuine Parts.

Benefits of KMT Genuine Parts:

- **Robust quality control inspection process to ensure superior fit and durability**
- **Manufactured to precise specifications best suited for your KMT pump**
- **Improvements made to KMT pumps are incorporated into KMT Genuine Parts**
- **KMT Customer Service and Technical Support is available 24/7**

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

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

Contents

Aftermarket Products 5

Maintenance & Repair	6
Upgrade Kits for High Pressure Pumps	8
Cutting Heads	9

Topworks Parts 11

Seal Assemblies	13
Cylinder Seal Assemblies	14
Repair Kits	14
Proximity Switch Kits	15
Hydraulic Cylinders & Heads	16
Pump Plungers	17
Liners	18
Backup Rings	19
Hydraulic Cartridge Seal Assemblies	19
Hydraulic Piston Assemblies	20
Cylinders	21
High Pressure Cylinder Nuts	22
Bushing Retainer Flanges	23
Retaining Rings	23
Miscellaneous	23

Sealing Heads 25

Sealing Head Assemblies	26
Sealing Heads	28
Seal Assemblies	29
Glands	29
Spacers	29
Repair Kits	30

Cutting Heads 33

Cutting Head Assemblies	34
Cutting Heads	35

Cutting Head Parts 37

AUTOLINE Cutting Head Assembly Components	38
---	----

Cap	39
Body	39
Wear Inserts	40
Spare Parts Kits	40
Abrasive Feed Tube Adapters	41
Abrasive Feed Tube Assembly	41
Knob Retainer	41
Abrasive Guard	41
IDE Retaining Nut	42
Focusing Tube Retaining Collet	42
Short Stop Adapter Assembly	42

Orifices & Focusing Tubes 43

Orifices for Pure Water Cutting	44
Foodgrade™ Orifices for Pure Water Cutting	46
Orifices for Abrasive Cutting	47
Focusing Tubes	49

Pneumatic Valves 51

Pneumatic Valve / Actuator Assemblies	52
Repair Kits	53
Tool Kits	54
Pneumatic Valve Bodies	54
Actuators	55
Backup Rings	56
Nozzle Nuts	56
Torque Wrench for Nozzle Nuts	56
Valve Glands	57
Nozzle Tubes	58

Fittings & Tubing 61

High Pressure Tubing	62
High Pressure Tubing - Accessories	64
High Pressure Fittings	65
Check Valves	71



Inline Water Filters	72
HP Water Filter Assemblies	73
Swivel Joints	74
Swivel Joints - Cap Assemblies	74
Swivel Joints - Straight Bodies	74
Swivel Joints - Spindles	75
Swivel Joints - Straights	75
90 Degree Bodies	76
Bushings	76
Thrust Bearings	76
Seal Assemblies	77
Repair & Tool Kits	78
Coning & Threading Tool Kits	79
Coning Tool Assemblies	79
Threading Tool Assemblies	80
Coning & Threading	80
Hand Coning & Threading Tool Kit "Small Blade"	81
Hand Coning & Threading Tool Assemblies	81
Hand Coning & Threading	82

Miscellaneous **83**

LP Water Filter Components	84
Hydraulic Oil Filter Components	84
O-Rings for Sealing Heads	85
O-Rings for Pneumatic Valves	85
O-Rings for Topworks	86
O-Rings for Cutting Heads	88
O-Rings for Inline Filters	89
Booster Pumps	89
Hoses	89
Gauges	90
Proximity Switch Kits	90
Electrical Components	91
Light Bulbs	92
Pressure Transducers	92
Topworks Tools	93

Topworks Tools	94
Lubricants	95

Your contact **97**

Your notes **98**

Index **100**

www.kmt-partsline.com

The **PARTSLINE Anywhere online spare parts catalogue** enables KMT customers to identify the original spare parts they need at any time and from anywhere in the world, thus simplifying the problem-free order process via our customer service.

For further details see **contact information on page 97** of this catalog or send us an e-mail at

order.spares@kmt-waterjet.com

For your convenience, we have labeled all items in this catalog according to the pressure range of their application. The following color code applies:

■ The product has been designed for use with our high performance **PRO product series** and is applicable at a pressure range of up to 6,200 bar (90,000 psi).

■ The product is applicable at a pressure range of up to 4,100 bar (60,000 psi).

All dimensions in this catalog are in inch unless specified otherwise. The decimal notation can be converted as follows:

0.25 = 1/4 inch

0.38 = 3/8 inch

0.56 = 9/16 inch

0.75 = 3/4 inch

Please note that all technical details shown in this catalog are subject to change and pictures are similar.





Services for your Waterjet Cutting System

KMT Waterjet offers you a lot of services for your waterjet cutting machine, which will make your cutting process more efficient and facilitate the continuous and smooth operation of your system. We offer services for all components having to deal with the high water pressure - from the high pressure pump to the cutting heads.

MAINTENANCE & REPAIR

Benefits Package KMT 365 Flex

For only 1 Euro a day, KMT offers you professional support by experienced employees and comprehensive service features around the high pressure technology. Thanks to our flexible system, you can book just the contract which best fits your needs.

Your advantages:

- ✓ One or more yearly visit of a KMT service technician without charging travel expenses - number of visits depends on the contract level
- ✓ One free sight and functional check per visit covering the following key areas of your waterjet high pressure system: high pressure water system, low pressure water system, hydraulic system and high pressure accessories
- ✓ Free-of-charge standard shipments
- ✓ Guaranteed special rate for maintenance and service hours depending on the contract level

Extended Warranty

If you conclude our benefits package KMT 365 Flex 4 within three months of the initial operation of your newly purchased SL-VI pump, we will extend your pump's warranty from one year and 2000 hours to two years and 3000 hours on wear parts as well as 4000 hours on spare parts.

Your advantages:

- ✓ Industry's longest warranty period: 2 years and 4,000 hours
- ✓ KMT 365 Flex 4 offers comprehensive service at a reasonable price
- ✓ High availability and reliability of the high pressure pump increases the production safety of the waterjet system
- ✓ Patented Curve-On-Curve Technology for the intensifier
- ✓ High quality components thanks to optimized manufacturing process

Service Package *Hydraulics*

KMT recommends to service the hydraulic system of a high pressure pump every 15,000 operating hours. Therefore, we are offering you our service package Hydraulics. This package includes all necessary spare parts and the working hours of our service technician. Depending on the condition of your system, you may additionally book an exchange service for the hydraulic tank.

Product Training Courses

Our European headquarters in Bad Nauheim, Germany, has a service facility with highly trained and experienced engineers. We regularly run group and individual training courses in multiple languages for customers from all over the world - either in-house or at your facility. Investing a small amount of time and resources into learning the best practices and maintenance methods with KMT will prove beneficial.

Your advantages:

- ✓ Our experts will grant you a thorough overview of the functionality of a KMT high pressure pump at a pressure range of up to 6,200 bar.
- ✓ Depending on your equipment, you can book one of our additional training modules.
- ✓ Qualify your employees thus ensuring the availability and reliability of your high pressure pump for an increased reliability of your production process.
- ✓ Keep your employees informed so that they can expertly carry out minor repairs due to wear by themselves.

KMT Cost-Per-Hour

The Cost-Per-Hour program features a fixed hourly fee including all necessary spare parts for the maintenance and repair of your high pressure pump as well as the respective service activities.

Your advantages:

- ✓ Total cost control over your cutting process
- ✓ All necessary spare parts and service activities included in one fixed hourly fee
- ✓ High availability and reliability of the high pressure pump increases the production safety of the waterjet system
- ✓ Different options to cover different demands
- ✓ Fixed rates for new pumps – Individual offers for used pumps
- ✓ One single hourly rate for operating pressures up to 4,000 bar – higher pressure ranges feature gradually rising rates up to a maximum pressure of 6,200 bar

Upgrade Kit PRO-III „SUPRALife“

Customers already using a STREAMLINE PRO-I or PRO-2 high pressure pump can benefit from the advanced PRO-III technology by installing KMT's PRO-III Intensifier Upgrade Kit. The Kit includes the new intensifier as well as the necessary installation material and can be easily mounted on all pumps of the PRO series.

Your advantages:

- ✓ Upgrade to the latest technology without having to buy a new pump
- ✓ SUPRALife High Pressure Seal with 500-h-warranty including three free service visits within the first year
- ✓ Patented technology in the most reliable pump in the industry

Upgrade Kit SL-VI High Pressure Cylinder

Operators of a STREAMLINE SL-V 30 or 50 high pressure pump can benefit from the optimized SL-VI technology by installing KMT's SL-VI Upgrade Kit. The kit includes all components necessary to upgrade the pump's intensifier to the patented Curve-On-Curve design.

Your advantages:

- ✓ Upgrade to the latest technology without having to buy a new pump
- ✓ Industry's longest warranty period: 4,000 hours
- ✓ High availability and reliability of the high pressure pump increases the production safety of the waterjet system

Upgrade Kit Intensifier *Redundant*

Installing the Upgrade Kit "Redundant", KMT offers their customers the possibility to add a completely identical high pressure production system to a high pressure pump. The additional intensifier grants the machine operator a new level of production reliability: In case of necessary maintenance work at the main intensifier, the hydraulic fluid can be rerouted to the redundant system thus enabling a continuous production process.

Your advantages:

- ✓ Production reliability in case of necessary maintenance or repair works
- ✓ Regular operation can be switched to redundant operation within only a few minutes
- ✓ Economic alternative to purchasing a backup high pressure pump

Cleaning Service for Diamond Orifices and IDE Cutting Heads

If the performance of a cutting head decreases, the reason does not necessarily have to be wear of the orifice. This is especially true for durable diamond orifices for which a cleaning of the orifice may restore the optimal focusing of the cutting jet.

Your advantages:

- ✓ Professional examination of your cutting head including a comprehensive documentation of the results
- ✓ Removal of dirt particles from the water orifice is significantly less expensive than purchasing a new orifice
- ✓ Increase of the possible utilization time of your KMT cutting head
- ✓ Discount on the purchase of a new cutting head in case that dirt particles are not the reason for the decreasing performance

Exchange program for KMT Cutting Heads

Customers which are running a cutting head of a different brand than KMT can benefit from KMT's cutting head exchange program. We take back your old competitor brand cutting head and provide you with a new cutting head by KMT at a special discounted price.

Your advantages:

- ✓ Completely new high-quality KMT cutting head at a special price
- ✓ Free choice of cutting head type: ACTIVE AUTOLINE or ACTIVE IDE for abrasive or AQUALINE for pure water applications
- ✓ Standard version or PRO version for waterjet cutting at up to 6,200 bar





Topworks Replacement Parts



THE KMT TOPWORKS - THE SOURCE OF PRESSURE

**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.

- **UHP Seal Assembly - SUPRAlife**
 6,200 bar
 Used on PRO-III units with a 60 or 125 horsepower rating
- **UHP Seal Assembly - 0.88 plunger units**
 6,200 bar
 Used on PRO-I and PRO-2 units with a 60 or 125 horsepower rating
- **HP Seal Assembly - 1.13 plunger units**
 4,100 bar
 Used on all SL-V and SL-VI units with a 75 to 200 horsepower rating
- **HP Seal Assembly - 1.13 plunger units, hybrid**
 4,100 bar
 Used on all SL-V units with a 75 to 200 horsepower rating
- **HP Seal Assembly - 0.88 plunger units**
 3,800/4,100 bar
 Used on all SL-V and SL-VI units with a 15 to 60 horsepower rating
- **HP Seal Assembly - 0.88 plunger units**
 3,800/4,100 bar
 Used on SL-IV Plus flange units & SL-V HSEC units
- **HP Seal Assembly - 0.88 plunger units**
 3,800 bar
 Used on all SL-IV units

72158494



20479499



05149711



20467135



20422243



05149703



05123385



CYLINDER SEAL ASSEMBLIES

DESCRIPTION

PART No.

HP Cylinder Seal Assembly

3,800 bar
Used on all SL-IV units

05027172



REPAIR KITS

Repair Kit - Hydraulic Piston PRO

Kit includes retaining rings, bearings, o-rings, backup rings, seal assembly and check valves.

Repair Kit PRO-III

72168337

Repair Kit PRO-2

05221951

Repair Kit PRO-1

05221943



Repair Kit - Hydraulic Piston, 1.13 plunger units.

3,800/4,100 bar. Used on all SL-V and SL-VI units with a 75 to 200 horsepower rating. Kit includes retaining rings, bearings, o-rings, backup rings, seal assembly and check valves.

80085079



Repair Kit - Hydraulic Piston, 0.88 plunger units.

3,800/4,100 bar. Used on all SL-V and SL-VI 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-IV, 3,800 bar. Kit includes seals, o-rings and backup rings to repair the HP cylinder seal and the sealing head seal.

05115977



* Available on request

PROXIMITY SWITCH KITS

DESCRIPTION

PART No.

Proximity Switch Kit SL-VI
 3,800 - 4,100 bar
 Used on all SL-VI units with a 15 to 50 horsepower rating

72146433



Proximity Switch Kit - E50
 3,800 - 4,100 bar
 Used on all SL-IV, SL-V, Classic and OEM units with a 15 to 60 horsepower rating
Replaces Part #05127584

20453934



Proximity Switch Kit SL-VI
 Used on all SL-VI units with a 100-200 horsepower rating
 Used on all 6,200 bar PRO units

72141569



Proximity Switch Kit
 Used on all SL-IV and SL-V units with a 75-200 horsepower rating
 Used on 6,200 bar PRO-I and PRO-2 units

20453925



DESCRIPTION

PART No.

■ **Hydraulic Cylinder, 0.88 plunger HSEC units**

3,800/4,100 bar
Used on all SL-IV, SL-V, Classic and OEM units with a 15 to 60 horsepower rating

05034764



■ **Hydraulic Cylinder, 1.13 plunger HSEC units**

3,800/4,100 bar
Used on all SL-V units with a 75 to 200 horsepower rating and PRO units with a horsepower rating of 60 or 125

05144514



■ **Hydraulic Cylinder Head, 0.88 plunger, HSEC units**

3,800 bar
Used on all Classic units with a 30 or 50 horsepower rating

20414880



■ **Hydraulic Cylinder Head, 0.88 plunger, HSEC units**

4,100 bar
Used on all SL-IV, SL-V and OEM units with a 15 to 60 horsepower rating

05034772



■ **Hydraulic Cylinder Head, 1.13 plunger, HSEC units**

4,100 bar
Used on all SL-V units with a 75 to 200 horsepower rating

20416445



PUMP PLUNGERS

DESCRIPTION

PART No.

- **Ceramic Plunger - 0.88 plunger units**
6,200 bar
Used on all PRO-III units

- **Ceramic Plunger - 0.88 plunger units**
6,200 bar
Used on all SL-VI PRO units

- ■ **Ceramic Plunger - 0.88 plunger units**
4,100/6,200 bar
Used on all SL-V and SL-VI units with a 15 to 60 horsepower rating and on all PRO-I and PRO-2 units

- **Ceramic Plunger - 1.13 plunger units**
4,100 bar
Used on all SL-V and SL-VI units with a 75 to 200 Horsepower rating

- **Carbide Plunger, 0.88 plunger units**
3,800 bar
Used on all Classic and NL-I units with a 30 to 50 horsepower rating.

72162253

Photo not available

72138164**05119151****05144506****05039771**

DESCRIPTION

PART No.

Liner - UHP Cylinder, 0.88 plunger units, Stainless Steel

72163802

6,200 bar
Used on all PRO-III with a 60 or 125 horsepower rating



Liner - UHP Cylinder, 0.88 plunger units, Stainless Steel

72127441

6,200 bar
Used on all PRO-2 with a 60 or 125 horsepower rating



Liner - UHP Cylinder, 0.88 plunger units

20474333

6,200 bar
Used on all PRO-I and PRO-2 units with a 60 or 125 horsepower rating



Liner - HP Cylinder, 1.13 plunger units

72110945

4,100 bar
Used on all SL-V and SL-VI units with a 75 to 200 Horsepower rating



Liner - HP Cylinder 0.88 plunger units

20497767

4,100 bar



Liner - HP Cylinder, 0.88 plunger units, Brass

20491603

4,100 bar



* Available on request

BACKUP RINGS

DESCRIPTION

PART No.



Hydraulic Piston Assembly

4,100/6,200 bar
 Used on SL-IV, SL-V & OEM 7/8" plunger units with a 15 to 60 horsepower rating and PRO units with a horsepower rating of 60 or 125

05049994



5.25 x 5.50, 1.13 plunger units

4,100/6,200 bar
 Used on all SL-V and SL-VI (PRO) units with a 75 to 200 Horsepower rating

05120092



3.75 x 4.0, 0.88 plunger units

3,800/4,100 bar
 Used on all SL-IV, SL-V and SL-VI units with a 15 to 60 horsepower rating.

05034855



HYDRAULIC CARTRIDGE SEAL ASSEMBLIES



0.88 plunger units

4,100/6,200 bar
 Used on all SL-IV, SL-V and SL-VI units with a 15 to 60 horsepower rating and all PRO units with a 60 or 125 Horsepower rating

05130091



1.13 plunger units

4,100 bar
 Used on all SL-V and SL-VI units with a 75 to 200 Horsepower rating

05146584



0.88 plunger units

3,800 bar
 Used on all Classic units with a 30 or 50 horsepower rating & NEOLINE 40 units

80086622



DESCRIPTION

PART No.

■ 1.13 plunger units

3,800/4,100 bar
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



■ 0.88 plunger units

3,800/4,100 bar
Used on all SL-IV, SL-V, Classic and OEM units with a 15 to 60 horsepower rating
Kit includes piston, retaining rings, bearings, o-rings, backup rings, seal assembly and check valves

05132253

■ Seal Assembly - Hydraulic Piston, 0.88 plunger units

3,800/4,100 bar
Used on all SL-V, Classic and OEM units with a 15 to 60 horsepower rating

05117965



■ Bearing - Hydraulic Piston, 0.88 plunger units

3,800/4,100 bar
Used on all SL-V, Classic and OEM units with a 15 to 60 horsepower rating

05117940



DESCRIPTION

PART No.

PRO-III Cylinder - 0.88 plunger units

6,200 bar
Used on all PRO-III units with a 60 or 125 horsepower rating

72166738


Photo not available

PRO-2 Cylinder - 0.88 plunger units

6,200 bar
Used on all PRO-2 and SL-VI PRO units with a 60 or 125 horsepower rating

72121858



PRO-I Cylinder - 0.88 plunger units

6,200 bar
Used on all PRO-I units with a 60 or 125 horsepower rating

72121850



Cylinder - 1.13 plunger HSEC-C

4,100 bar
Used on all SL-VI units with a 100 to 200 horsepower rating

72154588



Cylinder - 1.13 plunger HSEC

4,100 bar
Used on all SL-V units with a 75 to 200 horsepower rating

Replaces Part #20473479 & #20431076

72119536

Cylinder - 0.88 plunger HSEC-C

4,100 bar
Used on all SL-VI units with a 15 to 50 horsepower rating

72160831

Cylinder - 0.88 plunger HSEC

4,100 bar
Used on all SL-V and OEM units with a 15 to 60 horsepower rating

Replaces Part #20479503 & #05144647

72119544



DESCRIPTION

- 0.88 plunger**
 3,800 bar
 Used on SL-IV SSEC and NL-I units

- 0.88 plunger HSEC units**
 3,800 bar
 Used on all Classic units with a 30 or 50 horsepower rating
Replaces Part #20434777

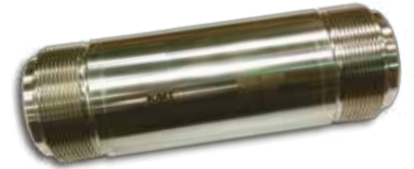
- 0.88 plunger HSEC units**
 3,500 bar
 Used on all Classic version I units with a 50 horsepower rating
Replaces Part #20414862

PART No.

05059712

72119529

72120023



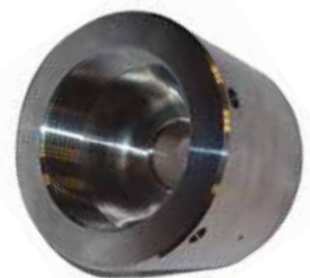
HIGH PRESSURE CYLINDER NUTS

- HP Cylinder Nut - HSEC (Hard Seal End Cap), 0.88 plunger**
 4,100 bar
 Used on all SL-V and OEM units with a 15 to 60 horsepower rating

- HP Cylinder Nut - SSEC (Soft Seal End Cap)**
 3,800 bar
 Used on all SL-IV units

80073646

05059688



* Available on request

BUSHING RETAINER FLANGES

DESCRIPTION

PART No.

- **0.88 plunger units**
3,800/4,100 bar
Used on all SL-IV, SL-V, Classic & OEM units with a 15 to 60 horsepower rating

05007786

- **1.13 plunger units**
4,100 bar
Used on all SL-V units with a 75 to 200 Horsepower rating

05145099

RETAINING RINGS

- **1.011 x 0.030 x 0.118, Stainless Steel**
6,200 bar
Used on all 6,200 bar units

20492123

- **2.75, Stainless steel**
4,100 bar
Used on all 4,100 bar units

05034798

MISCELLANEOUS

- **Jackbolt - HSEC, 7/16-20 x 2.31**
Used on all SL-V, Classic and OEM HSEC units

80070352

- **HP Attenuator Assembly - 0.96L**
Used on all 4,100 bar 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.

DESCRIPTION

PART No.

- **0.88 plunger**
 6,200 bar.
 Used on all PRO-III units
- **0.88 plunger**
 6,200 bar.
 Used on all PRO-2 and SL-VI PRO units
- **0.88 plunger, 4 stud.**
 6,200 bar
 Used on all PRO-I units

 Uses o-ring 10146082 (p. 77)
- **1.13 plunger units HSEC-C**
 4,100 bar
 Used on all SL-VI units with a 100 to 200 horsepower rating
- **1.13 plunger units HSEC**
 4,100 bar
 Used on all SL-V units with a 75 to 200 horsepower rating
- **0.88 plunger units HSEC-C**
 3,800/4,100 bar
 Used on all SL-VI units with a 15 to 50 horsepower rating
- **0.88 plunger units HSEC**
 3,800/4,100 bar
 Used on all SL-V, Classic and OEM units with a 15 to 60 horsepower rating

72170157



20480087



20480113



72154603



72110979



72142526



20481005



* Available on request

SEALING HEAD ASSEMBLIES

DESCRIPTION

■ **0.88 plunger units**
4,100 bar
Used on SL-IV Plus flange units

■ **0.88 plunger units**
3,800 bar
Used on SL-IV units

Uses o-ring 05049853 (p. 77)

■ **0.88 plunger units**
3,800 bar
Used on NL-I units

PART No.

05144688

05116769

20417081



DESCRIPTION

PART No.

- **0.88 plunger units**
 6,200 bar
 Used on all sealing head assemblies for PRO-2 units
- **0.88 plunger units**
 6,200 bar
 Used on all sealing head assemblies for PRO-I units
- **1.13 plunger units**
 4,100 bar
 Used on all sealing head assemblies for SL-V units with a 75 to 200 horsepower rating
- **0.88 plunger units**
 3,800/4,100 bar
 Used on all sealing head assemblies for SL-V, Classic and OEM units with a 15 to 60 horsepower rating
- **0.88 plunger units**
 4,100 bar
 Used on SL-IV Plus flange units
- **1.13 plunger units**
 3,800 bar
 Used on SL-IV units with a 15 to 60 horsepower rating
- **0.88 plunger units**
 3,800 bar
 Used on NL-I units

72113373



20479524



72110961



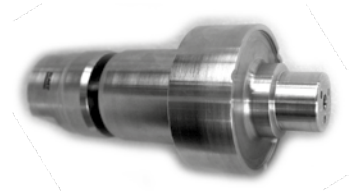
20481009



05144357



10106417



20417000



* Available on request

SEAL ASSEMBLIES

DESCRIPTION

PART No.

HP Sealing Head
3,800 bar.
Used on SL-IV units

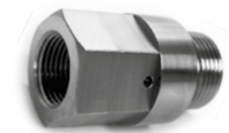
10110393



GLANDS

UHP Sealing Head, 0.88 plunger units
6,200 bar
Used on all sealing head assemblies for PRO units

20481660



HP Sealing Head, 1.13 plunger units
4,100 bar
Used on all sealing head assemblies for SL-V units with a 75 to 200 horsepower rating

05116595



HP Sealing Head, 0.88 plunger units
3,800/4,100 bar
Used on all sealing head assemblies for SL-IV, SL-V, Classic & OEM units with a 15 to 60 horsepower rating

05116777



SPACERS

HP Sealing Head, 1.13 plunger units
4,100 bar
Used on all SL-V units with a 75 to 200 horsepower rating

05144597



HP Sealing Head
4,100 bar
Used on SL-IV Plus units with a 15, 30, 50 or 60 horsepower rating

05144696



DESCRIPTION

PART No.

UHP Check Valve PRO (Inlet/Discharge) Ball Style Inlet/discharge, 0.88 plunger units

72117819

6,200 bar
Used on all PRO-2 and PRO-III units that utilize an inlet ball. Kit includes seat, discharge poppet, inlet ball, poppet pin, dowel pin & compression spring



UHP Check Valve PRO-2 (Discharge) Discharge Kit, 0.88 plunger units

72135447

6,200 bar
Used on sealing head assemblies for PRO-2 units. Kit includes seat, discharge poppet, poppet pin & compression spring



UHP Check Valve (Poppet Style) Inlet Inlet/discharge, 0.88 plunger units

20477505

6,200 bar
Used on all sealing head assemblies for PRO-I units that utilize an inlet poppet. Kit includes valve seat, inlet and discharge poppets, poppet pin and compression spring



HP Check Valve, Discharge, 1.13 plunger units

80084403*

4,100 bar
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



* Available on request

DESCRIPTION

PART No.

■ **HP Check Valve Discharge, 0.88 plunger units**
 3,800/4,100 bar
 Used on all SL-V, Classic and OEM 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, 1.13 plunger units**
 4,100 bar
 Used on all SL-V and SL-VI 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, 1.13 plunger units**
 4,100 bar
 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, 0.88 plunger units**
 3,800/4,100 bar
 Used on all SL-V and SL-VI 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, Inlet/Discharge**
 3,800/4,100 bar
 Used on SL-IV & SL-V units with a *washer style* inlet poppet. Kit includes valve seat, inlet & discharge poppets, poppet pin & compression springs

80074057







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. 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.

For complete Cutting Heads, contact your local KMT representative (see page 97 for details)

ACTIVE AUTOLINE PRO



ACTIVE IDE PRO



DESCRIPTION

PART No.

IDE PRO Assembly

6,200 bar

Diamond Orifice

0.007" / 0.17 mm

20481407*

0.008" / 0.20 mm

20481408

0.009" / 0.23 mm

20481409

0.010" / 0.25 mm

20481410

0.011" / 0.28 mm

20481411

0.012" / 0.30 mm

20481412*

0.013" / 0.33 mm

20481413

0.014" / 0.35 mm

20481414

0.015" / 0.38 mm

20481415

0.016" / 0.40 mm

20481416

0.018" / 0.46 mm

20481418*

AUTOLINE PRO Assembly

6,200 bar, 0.75 UHP
(Orifice Assembly & Focusing Tube Not Included)

20480707

IDE II Assembly

4,100 bar

Diamond Orifice

0.007" / 0.17 mm

20477959007

0.008" / 0.20 mm

20477959008

0.009" / 0.23 mm

20477959009

0.010" / 0.25 mm

20477959010

0.011" / 0.28 mm

20477959011

0.012" / 0.30 mm

20477959012

0.013" / 0.33 mm

20477959013

0.014" / 0.35 mm

20477959014

0.016" / 0.40 mm

20477959016

0.018" / 0.46 mm

20477959018



DESCRIPTION

PART No.

IDE II Assembly

4,100 bar

Diamond Orifice & Short Stop Filter

0.007" / 0.17 mm

20477950007

0.008" / 0.20 mm

20477950008

0.009" / 0.23 mm

20477950009

0.010" / 0.25 mm

20477950010

0.011" / 0.28 mm

20477950011

0.012" / 0.30 mm

20477950012

0.013" / 0.33 mm

20477950013

0.014" / 0.35 mm

20477950014

0.016" / 0.40 mm

20477950016

0.018" / 0.46 mm

20477950018

AUTOLINE II Assembly

4,100 bar

0.030 wear insert, 0.38 HP

(Orifice Assembly & Focusing Tube Not Included)

20453949

0.043 wear insert, 0.38 HP

(Orifice Assembly & Focusing Tube Not Included)

20454108

AUTOLINE I Assembly

4,100 bar

0.030 wear insert, 0.38 HP

(Diamond & Focusing Tube Not Included)

05078530

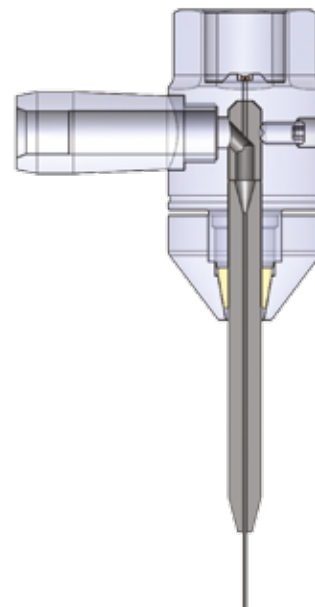


* Available on request

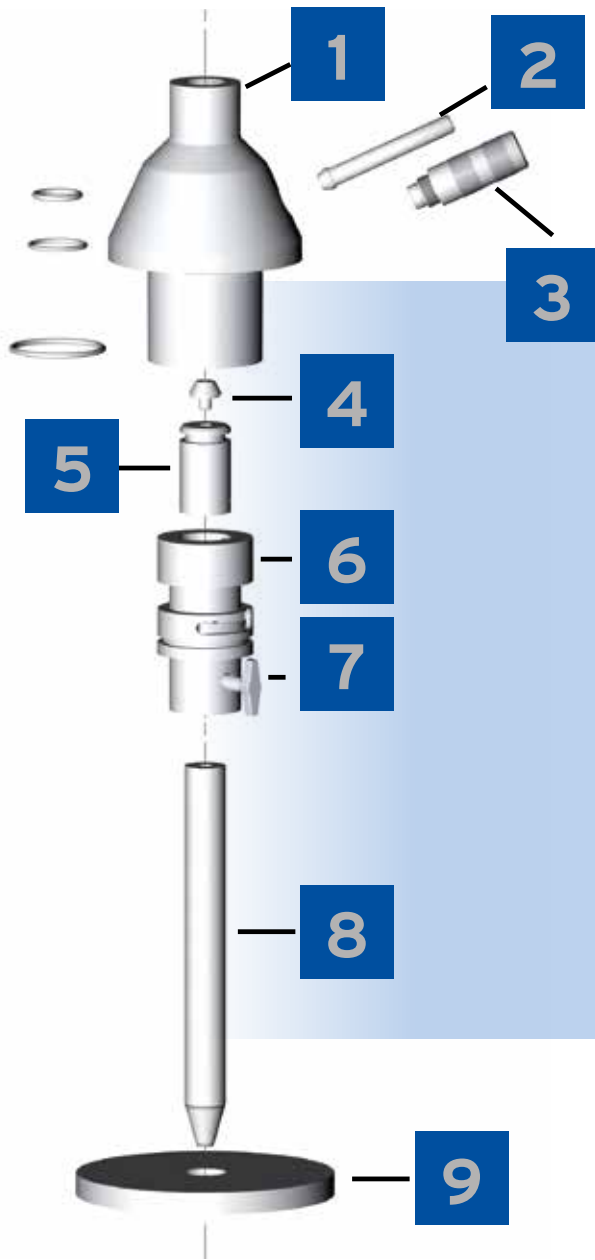
Cutting Head Replacement Parts



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



AUTOLINE II - Components

- 1 Cap
- 2 Abrasive Feed Liner
- 3 Handle
- 4 Diamond Orifice
- 5 LONGLIFE Mixing Chamber
- 6 Nozzle Body
- 7 Wing Screw Focusing Tube
- 8 LONGLIFE Focusing Tube
- 9 Guard

DESCRIPTION

PART No.

- **AUTOLINE PRO**
 6,200 bar
 0.75 UHP
 For o-rings see page 73
- **AUTOLINE II**
 4,100 bar
 0.38 UHP
 For o-rings see page 73
- **AUTOLINE I**
 4,100 bar
 0.38 UHP
 For o-rings see page 73

20480732



20453952



05076971



BODY

- **AUTOLINE PRO**
 6,200 bar
 For o-rings see page 73
- **AUTOLINE II**
 4,100 bar
 For o-rings see page 73
- **AUTOLINE I**
 4,100 bar
 For o-rings see page 73

20480715



20453958



05073820



WEAR INSERTS

DESCRIPTION

PART No.

AUTOLINE PRO 6,200 bar	20454861
AUTOLINE II 4,100 bar 0.030, 25° Inlet (for o-rings see page 73)	20453064
0.043, 25° Inlet	20453082*
0.054, 25° Inlet	20454339*
AUTOLINE I 4,100 bar 0.030, 45° Inlet, Tungsten Carbide	05076955
0.043, 45° Inlet, Tungsten Carbide	05135827*
0.052, 45° Inlet, Tungsten Carbide	20442434*



SPARE PARTS KITS

AUTOLINE PRO 6,200 bar Kit includes the setscrew and o-rings to service any AUTOLINE PRO assembly	20479589
AUTOLINE II 4,100 bar Kit includes the setscrew and o-rings to service any AUTOLINE II assembly	20454129
AUTOLINE I 4,100 bar Kit includes the setscrew and o-rings to service any AUTOLINE I assembly	05077367



* Available on request

ABRASIVE FEED TUBE ADAPTERS

DESCRIPTION

PART No.

 **AUTOLINE PRO & AUTOLINE II**
Stainless Steel

20453973



 **AUTOLINE I**
Stainless Steel

05076989




ABRASIVE FEED TUBE ASSEMBLY

 **AUTOLINE PRO & AUTOLINE II**

20453964



KNOB RETAINER

 **AUTOLINE PRO & AUTOLINE II**
Stainless Steel, T-Handle

20453976



 **AUTOLINE I**
Stainless Steel

05078712



ABRASIVE GUARD

 **AUTOLINE PRO, AUTOLINE II & I**

05087168



IDE RETAINING NUT

0.25 = 1/4 inch 0.56 = 9/16 inch
0.38 = 3/8 inch 0.75 = 3/4 inch

DESCRIPTION

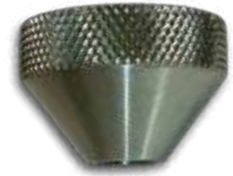
PART No.



0.38, Stainless Steel

Used with IDE PRO and IDE II cutting heads

20454342



FOCUSING TUBE RETAINING COLLET



0.373 ID, Brass

Retaining ring for IDE PRO and IDE II cutting heads

20454345



SHORT STOP ADAPTER ASSEMBLY

4,100 bar. Required when incorporating an IDE II cutting head into an existing system with a KMT pneumatic valve



0.38 M x 0.25 F, High Pressure Tubing

20454363



0.38 M x 0.38 F, High Pressure Tubing

20454366



Short Stop Filter

20454426



* Available on request



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.

ORIFICES FOR PURE WATER CUTTING

DESCRIPTION

PART No.

AQUALINE PRO

6,200 bar

Diamond Orifice

0.004" / 0.10 mm	20481704
0.005" / 0.12 mm	20481705
0.006" / 0.15 mm	20481706
0.007" / 0.17 mm	20481707
0.008" / 0.20 mm	20481708
0.009" / 0.23 mm	20481709
0.010" / 0.25 mm	20481710
0.011" / 0.28 mm	20481711*
0.012" / 0.30 mm	20481712
0.013" / 0.33 mm	20481713*
0.014" / 0.35 mm	20481714
0.015" / 0.38 mm	20481715*
0.016" / 0.40 mm	20481716
0.017" / 0.43 mm	20481717*
0.018" / 0.46 mm	20481718*
0.019" / 0.48 mm	20481719*
0.020" / 0.51 mm	20481720*
0.021" / 0.53 mm	20481721*
0.022" / 0.56 mm	20481722*



* Available on request

ORIFICES FOR PURE WATER CUTTING

DESCRIPTION

PART No.



4,100 bar

Diamond Orifice

0.003" / 0.07 mm

49888852

0.004" / 0.10 mm

49888860

0.005" / 0.12 mm

49888878

0.006" / 0.15 mm

49888886

0.007" / 0.17 mm

49888894

0.008" / 0.20 mm

49888902

0.009" / 0.23 mm

49888910

0.010" / 0.25 mm

49888928

0.012" / 0.30 mm

49888936

0.013" / 0.33 mm

49836786*

0.014" / 0.35 mm

49888944

0.015" / 0.38 mm

49888951

0.016" / 0.40 mm

49888969

0.018" / 0.46 mm

49888977

0.019" / 0.48 mm

20436198*

0.020" / 0.51 mm

49888985

0.022" / 0.56 mm

49888993

Sapphire Orifice

0.003" / 0.07 mm

A2260003*

0.004" / 0.10 mm

49863574

0.005" / 0.12 mm

49863582

0.006" / 0.15 mm

91954073

0.007" / 0.17 mm

49863590

0.008" / 0.20 mm

49865850

0.009" / 0.23 mm

49863608

0.010" / 0.25 mm

49863616

0.011" / 0.28 mm

A2260011*

0.012" / 0.30 mm

49863624

0.013" / 0.33 mm

A2260013*

0.014" / 0.35 mm

49863632

0.015" / 0.38 mm

A2260015

0.016" / 0.40 mm

A2260016

0.018" / 0.46 mm

A2260018*

0.019" / 0.48 mm

A2260019*

0.020" / 0.51 mm

A2260020*

0.022" / 0.56 mm

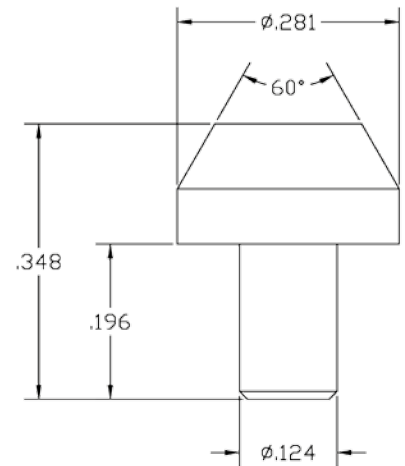
A2260022*


FOODGRADE™ ORIFICES FOR PURE WATER CUTTING

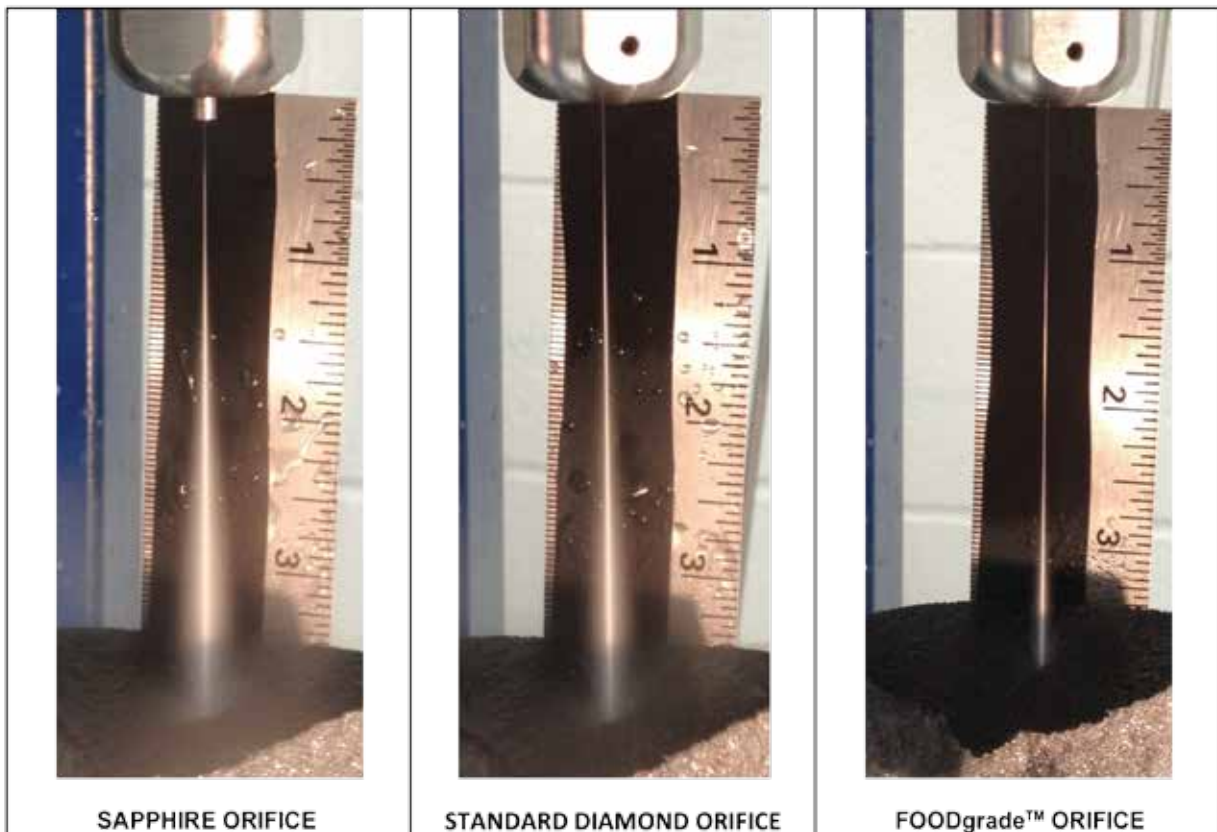
DESCRIPTION

PART No.

■ 4,100 bar	
Diamond Orifice	
0.005" / 0.12 mm	72113688
0.006" / 0.15 mm	72132350
0.007" / 0.17 mm	72113680
0.008" / 0.20 mm	72132358
0.009" / 0.23 mm	72136231
0.010" / 0.25 mm	72136249
0.011" / 0.28 mm	72136256



WATER ONLY ORIFICE COMPARISONS



* Available on request

ORIFICES FOR ABRASIVE CUTTING

DESCRIPTION

PART No.

AUTOLINE PRO

6,200 bar
For True Alignment & Maximum Performance

Wear Insert Cartridge with Diamond Orifice

0.007" / 0.17 mm	20481607
0.008" / 0.20 mm	20496208
0.009" / 0.23 mm	20481609
0.010" / 0.25 mm	20496210
0.011" / 0.28 mm	20496211
0.012" / 0.30 mm	20496212
0.013" / 0.33 mm	20481613
0.014" / 0.35 mm	20496214
0.015" / 0.38 mm	20496215



ORIFICES FOR ABRASIVE CUTTING

DESCRIPTION

PART No.

AUTOLINE I & II
4,100 bar
For True Alignment & Maximum Performance

Diamond Orifice

0.004" / 0.10 mm	20448625*
0.007" / 0.17 mm	05063847
0.008" / 0.20 mm	05112537
0.009" / 0.23 mm	05084504
0.010" / 0.25 mm	05077029
0.011" / 0.28 mm	05101753
0.012" / 0.30 mm	05077300
0.013" / 0.33 mm	05136098
0.014" / 0.35 mm	05077037
0.015" / 0.38 mm	80075781*
0.016" / 0.40 mm	05121512
0.018" / 0.46 mm	05114905*
0.019" / 0.48 mm	80086663*
0.020" / 0.51 mm	05114897

Sapphire Orifice

0.004" / 0.10 mm	05214794
0.005" / 0.12 mm	05222836
0.007" / 0.17 mm	80217
0.008" / 0.20 mm	80220
0.009" / 0.23 mm	80423
0.010" / 0.25 mm	80225
0.011" / 0.28 mm	80227
0.012" / 0.30 mm	80230
0.013" / 0.33 mm	80433
0.014" / 0.35 mm	80235
0.016" / 0.40 mm	80240
0.018" / 0.46 mm	80245
0.019" / 0.48 mm	80086671*
0.020" / 0.51 mm	05114921



* Available on request

DESCRIPTION

PART No.

PRO Series Indexed

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

0.030 x 3.0 / 0.76 mm x 76 mm

20477366

0.030 x 4.0 / 0.76 mm x 102 mm

20477382

0.033 x 4.0 / 0.84 mm x 102 mm

20490760

0.040 x 3.0 / 1.02 mm x 76 mm

20486133*

0.040 x 4.0 / 1.02 mm x 102 mm

20486166*

0.043 x 3.0 / 1.10 mm x 76 mm

20477386

0.043 x 4.0 / 1.10 mm x 102 mm

20477395

0.045 x 3.0 / 1.14 mm x 76 mm

20486151*

0.045 x 4.0 / 1.14 mm x 102 mm

20486158

0.048 x 4.0 / 1.22 mm x 102 mm

20490768

ROCTEC® Ecoline

0.030 x 3.0 / 0.76 mm x 76 mm

05226511

0.035 x 3.0 / 0.89 mm x 76 mm

05226545

0.040 x 3.0 / 1.02 mm x 76 mm

05226537

ROCTEC® 100

0.021 x 3.13 / 0.53 mm x 79 mm

20451227*

0.025 x 3.13 / 0.63 mm x 79 mm

20452309*

0.030 x 3.13 / 0.76 mm x 79 mm

10126969

0.036 x 3.13 / 0.91 mm x 79 mm

80075252

0.039 x 3.13 / 0.99 mm x 79 mm

49833593*

0.040 x 3.13 / 1.02 mm x 79 mm

49835390

0.043 x 3.13 / 1.10 mm x 79 mm

10126928

0.052 x 3.13 / 1.32 mm x 79 mm

05117528

0.058 x 3.13 / 1.47 mm x 79 mm

05051891*

0.063 x 3.13 / 1.60 mm x 79 mm

10126936

HyperTube®
Index Design



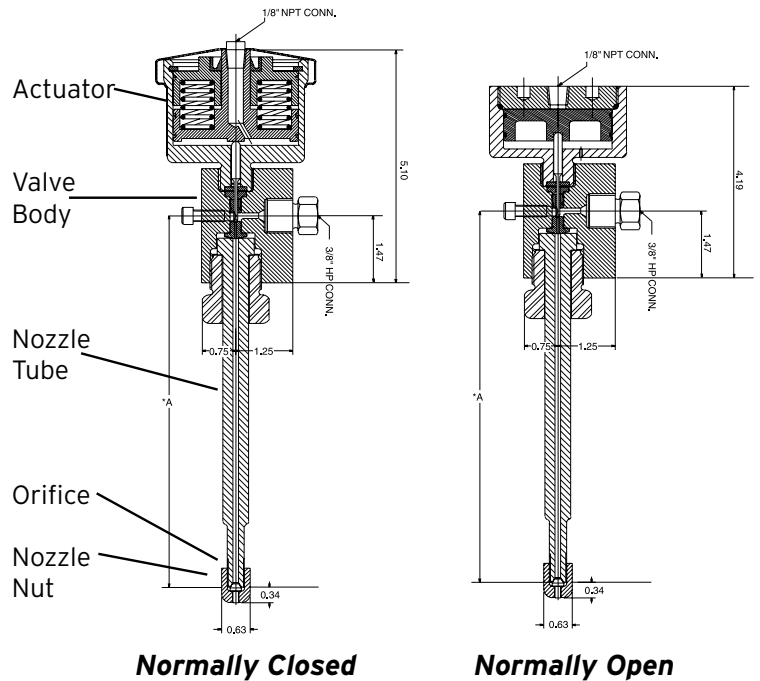
DESCRIPTION

PART No.

DESCRIPTION	PART No.
ROCTEC® 500	
0.021 x 2.0 / 0.53 mm x 50 mm	05097928
0.030 x 3.13 / 0.76 mm x 79 mm	05097944
0.036 x 3.13 / 0.91 mm x 79 mm	05116652
0.043 x 3.13 / 1.10 mm x 79 mm	05097936
0.093 x 3.13 / 2.36 mm x 79 mm	05130927*



* Available on request



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.

PNEUMATIC VALVE / ACTUATOR ASSEMBLIES

DESCRIPTION

PART No.

- **UHP, 6,200 bar - N/C**

- **UHP, 6,200 bar - N/O**
2-port Dump valve

- **HP, 4,100 bar - N/C**

- **HP, 4,100 bar - N/C, IDE® Gland**

- **HP, 4,100 bar - N/O**

- **HP, 4,100 bar - N/O**
2-Port Dump valve, Solenoid valve,
Square body

- **HP, 4,100 bar - N/O**
3-Port Dump valve, Round body

20480359

20468634

10138824

20454354

10184760

05069703

20427739



* Available on request

DESCRIPTION

PART No.

■ UHP Pneumatic Valve, N/C, 6,200 bar

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

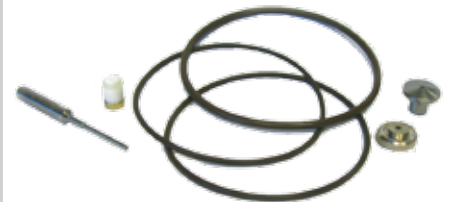
20477521



■ UHP Pneumatic Valve, N/O, 6,200 bar

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

20477518



■ HP Pneumatic Valve, N/C, 4,100 bar

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, 4,100 bar

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

05146964*



■ HP Pneumatic Valve, N/O, 4,100 bar

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

05116017



DESCRIPTION

PART No.



N/C Actuator Assembly

4,100/6,200 bar
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

4,100/6,200 bar
Used to service all HP and UHP pneumatic valves. Kit includes a seal push, positioning and installation tool

20470475



PNEUMATIC VALVE BODIES



Stainless Steel

6,200 bar.
For use on all KMT UHP pneumatic valves

20475871



Dump Valve, Stainless Steel

6,200 bar.
For use on all KMT UHP pneumatic dump valves

20468617



2-Port, (2) 0.38, (1) 0.56, Stainless Steel

4,100 bar.
For use on all KMT 2-port HP pneumatic valves

10189181



3-Port, 0.38, Stainless Steel

4,100 bar.
For use on all KMT 3-port HP pneumatic dump valves






20427648



* Available on request

DESCRIPTION

PART No.

	UHP Actuator - N/C 6,200 bar For o-rings see page 71
	UHP Actuator - N/O 6,200 bar For o-rings see page 71
	HP Actuator - N/C 4,100 bar For o-rings see page 71
	HP Actuator - N/O 4,100 bar For o-rings see page 71
	Solenoid Valve - 24V DC 5,4 W 8,5 W, for AQUALINE Cutting Head

20474154

20479022

10177855

10189553

49888035

05450127



DESCRIPTION

PART No.

UHP Pneumatic Valve, Stainless Steel
6,200 bar
For use on all KMT UHP pneumatic valves

20475882



HP Pneumatic Valve, Stainless Steel
4,100 bar
For use on all KMT HP pneumatic valves

10187250



NOZZLE NUTS

0.56, UHP
6,200 bar

20478993

KMT
Photo not available

0.75, UHP
6,200 bar

20480993

0.38, LH Thread
4,100 bar

49863665

0.56, LH Thread
4,100 bar

49865405



TORQUE WRENCH FOR NOZZLE NUTS

Torque Wrench

05225470

Insertion 0.38

05225488

Insertion 0.56

05225496



DESCRIPTION

PART No.



0.56, Valve nut for Nozzle Tube, Stainless Steel

49894249

6,200/4,100 bar



0.75, Valve nut for Nozzle Tube, Stainless Steel

20454351

6,200/4,100 bar



Compression Spring - 0.72 x 0.105 x 1.50, Stainless Steel

05054119

For use on all NC KMT HP/UHP pneumatic actuators



Adapter, HP Water Valve

49830904

4,100 bar
For use on all HP 3-port and quick release dump valves



Adapter, Tube/Pipe, 0.25 x 0.13

10077030

Used to connect air tube to solenoid valve on pneumatic valve/actuator assemblies



Coupling Pipe, 0.13 x 0.13

10102226

Used to connect solenoid valve to actuator on pneumatic valve/actuator assemblies



DESCRIPTION

(ALL DIMENSIONS ARE DIAMETER" x LENGTH")

PART No.



**3/4" Ultra High Pressure Nozzle Tube,
 for use with Short Stop Filter, 6,200 bar**

0.75 x 3.50 / 1.9 x 8.89 cm, LH Thread	20487241
0.75 x 4.50 / 1.9 x 11.43 cm, LH Thread	20487249
0.75 x 5.75 / 1.9 x 14.60 cm, LH Thread	20487257
0.75 x 6.25 / 1.9 x 15.88 cm, LH Thread	20497106*
0.75 x 9.75 / 1.9 x 24.77 cm, LH Thread	20487273



* Available on request

NOZZLE TUBES

DESCRIPTION

(ALL DIMENSIONS ARE DIAMETER" x LENGTH")

PART No.

3/8" Connection, 4,100 bar	0.38 x 4.0 / 0.97 x 10.16 cm	10138584
	0.38 x 5.0 / 0.97 x 12.70 cm	10138592
	0.38 x 6.0 / 0.97 x 15.24 cm	10138600
	0.38 x 7.0 / 0.97 x 17.78 cm	10138618
	0.38 x 8.0 / 0.97 x 20.32 cm	10138634
	0.38 x 9.0 / 0.97 x 22.86 cm	10138642
	0.38 x 10.0 / 0.97 x 25.40 cm	10138659
3/8" Nozzle Nut Connection, 4,100 bar	0.38 x 3.0 / 0.97 x 10.16 cm	10181113
	0.38 x 4.0 / 0.97 x 10.16 cm	10138402
	0.38 x 5.0 / 0.97 x 12.70 cm	10138410
	0.38 x 6.0 / 0.97 x 15.24 cm	10138428
	0.38 x 7.0 / 0.97 x 17.78 cm	10138436
	0.38 x 8.0 / 0.97 x 20.32 cm	10138444
	0.38 x 9.0 / 0.97 x 22.86 cm	10138451
	0.38 x 10.0 / 0.97 x 25.40 cm	10138469
	0.38 x 11.0 / 0.97 x 27.94 cm	05136031*
	0.38 x 12.0 / 0.97 x 30.48 cm	05013735
3/8" Nozzle Nut Connection W/High Pressure Connection, 4,100 bar	0.38 x 3.0 / 0.97 x 7.62 cm	A22593*
	0.38 x 4.0 / 0.97 x 10.16 cm	A22594*
	0.38 x 5.0 / 0.97 x 12.70 cm	A22595*
	0.38 x 6.0 / 0.97 x 15.24 cm	A22596*
	0.38 x 8.0 / 0.97 x 20.32 cm	A2259800*
	0.38 x 10.0 / 0.97 x 25.40 cm	A225910*
	0.38 x 11.0 / 0.97 x 27.94 cm	A225911*
	0.38 x 12.0 / 0.97 x 30.48 cm	A225912*



DESCRIPTION

(ALL DIMENSIONS ARE DIAMETER" x LENGTH")

PART No.

<p>9/16" Connection, 4,100 bar</p>	0.56 x 4.0 / 1.42 x 10.16 cm	10138667
	0.56 x 5.0 / 1.42 x 12.70 cm	10138675
	0.56 x 6.0 / 1.42 x 15.24 cm	10138683
	0.56 x 7.0 / 1.42 x 17.78 cm	10138691
	0.56 x 8.0 / 1.42 x 20.32 cm	10138709
	0.56 x 9.0 / 1.42 x 22.86 cm	10138717
	0.56 x 10.0 / 1.42 x 25.40 cm	10138725
	0.56 x 11.0 / 1.42 x 27.94 cm	80074446*
<p>9/16" Nozzle Nut Connection, 4,100 bar</p>	0.56 x 4.0 / 1.42 x 10.16 cm	10138485
	0.56 x 5.0 / 1.42 x 12.70 cm	10138493
	0.56 x 6.0 / 1.42 x 15.24 cm	10138501
	0.56 x 7.0 / 1.42 x 17.78 cm	10138519
	0.56 x 8.0 / 1.42 x 20.32 cm	10138527
	0.56 x 9.0 / 1.42 x 22.86 cm	10138535
	0.56 x 10.0 / 1.42 x 25.40 cm	10181105*
	0.56 x 12.0 / 1.42 x 30.48 cm	10193100*
<p>3/4" For use with KMT IDE Cutting Head, 4,100 bar</p>	0.75 x 3.75 / 1.91 x 9.53 cm, LH Thread	20489074
	0.75 x 4.75, / 1.91 x 12.07 cm, LH Thread	20489092
	0.75 x 5.75 / 1.91 x 14.60 cm, LH Thread	20455329
	0.75 x 7.75 / 1.91 x 19.69 cm, LH Thread	20480977
	0.75 x 8.75 / 1.91 x 22.23 cm, LH Thread	72101354*
	0.75 x 9.75 / 1.91 x 24.77 cm, LH Thread	20464647



* Available on request



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 4,100 bar and 6,900 bar.

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.

DESCRIPTION

PART No.

Stainless Steel Tubing

6,900 bar

Coned & Threaded - Up to 4' Lengths

0.25 x 0.083 x 3.02", HP160	20489761*
0.25 x 0.083 x 4.0", HP160	20487975*
0.25 x 0.083 x 7.625", HP160	72104402*
0.38 x 0.125 x 4.0", HP160	20478649
0.38 x 0.125 x 4.81", HP160	20468830
0.38 x 0.125 x 48.0", HP160	20489107*
0.56 x 0.188 x 4.25", HP160	20493999
0.56 x 0.188 x 6.38", HP160	72103733
0.56 x 0.188 x 8.93", HP160	72103386*
0.56 x 0.188 x 14.49", HP160	72103361*
0.56 x 0.188 x 17.22", HP160	72103379*
0.56 x 0.188 x 36.0", HP160	72108319*

Coned & Threaded - 20' Length

0.25 x 0.083 x 240.0", HP160	20478751
0.38 x 0.083 x 240.0", HP160	20489115*
0.56 x 0.083 x 240.0", HP160	72103535*

HP Tubes sold by meter

0.25	20455338
0.38	05210265
0.56	05210273



* Available on request

HIGH PRESSURE TUBING

DESCRIPTION

PART No.

Stainless Steel Tubing

4,500 bar

Coned & Threaded - Up to 8' Lengths

0.25 x 0.083 x 4.0", 316	10105880*
0.25 x 0.083 x 6.0", 316	10103018*
0.25 x 0.083 x 8.0", 316	80070519*
0.38 x 0.125 x 3.0", 316	10094704
0.38 x 0.125 x 4.0", 316	10105443
0.38 x 0.125 x 5.0", 316	10090280
0.56 x 0.188 x 4.0", 316	10069326
0.56 x 0.188 x 4.97", 316	05112057

Coned & Threaded - 20' Length

0.25 x 0.083 x 240.0", 316	10094191*
0.38 x 0.083 x 240.0", 316	10094183
0.56 x 0.083 x 240.0", 316	10094175*

HP Tubes sold by meter

0.25	91956078
0.38	91956094
0.56	91956102



DESCRIPTION

PART No.

Hose - Ferrule

0.25 x 0.265 x 0.718, Brass

20422970

0.38 x 0.265 x 0.718, Brass

10083897

0.56 x 0.265 x 0.718, Brass

05131347



Conduit - Extra Flexible

0.25, Stainless steel

20422988

0.38, Stainless steel

10186153

0.56, Stainless steel

05086905



HP & UHP stainless steel bent tubing is intensifier model specific. Please contact your local KMT representative (see page 91) for ordering assistance.



HP & UHP stainless steel coils are robot specific. Please contact your local KMT representative (see page 91) for ordering assistance.



HP hoses

Multilayer stainless steel mesh with ferrule terminals of 316 stainless steel (V4A). Interior lined with polyoxymethylene.

Multiple lengths available.

Please contact your local KMT representative (see page 91) for ordering assistance.



HIGH PRESSURE FITTINGS

DESCRIPTION

PART No.

UHP Stainless Steel Coupling Assembly, 6,900 bar

0.25 x 0.25

20477023

0.38 x 0.25

20477738

0.38 x 0.38

20477660

0.56 x 0.25

20477730

0.56 x 0.38

20477709

0.56 x 0.56

20477685



HP Stainless Steel Coupling Assembly, 4,100 bar

0.25 x 0.25

10079028

0.38 x 0.25

10079614

0.38 x 0.38

10078905

0.56 x 0.25

10078145

0.56 x 0.38

10079531

0.56 x 0.56

10078640



UHP Stainless Steel Elbow Assembly, 6,900 bar

0.25

20455821

0.38

20455809

0.56

20455377



HP Stainless Steel Elbow Assembly, 4,100 bar

0.25

10079051

0.38

10078780

0.56

10078525



DESCRIPTION

PART No.

**UHP Stainless Steel Tee Assembly,
6,900 bar**

0.25

20455824

0.38

20455812

0.56

20455374



**HP Stainless Steel Tee Assembly,
4,100 bar**

0.25

10079481

0.38

10078590

0.56

10079465



**UHP Stainless Steel Cross Assembly,
6,900 bar**

0.25

20452971

0.38

20452968

0.56

20453115



**HP Stainless Steel Cross Assembly,
4,100 bar**

0.25

10097228

0.38

10078038

0.56

10079168



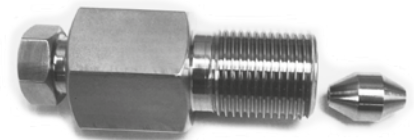
* Available on request

HIGH PRESSURE FITTINGS

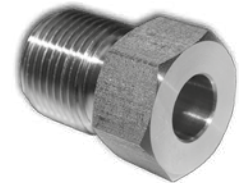
DESCRIPTION

PART No.

UHP Stainless Steel Bushing Assembly, 6,900 bar	0.38 F x 0.25 M	72133175
	0.38 M x 0.25 F	72133224
	0.56 F x 0.25 M	72133183
	0.56 M x 0.25 F	72133232
	0.56 F x 0.38 M	72133209
	0.56 M x 0.38 F	72133250
HP Stainless Steel Bushing Assembly, 4,100 bar	0.38 M x 0.25 F	10079432
	0.38 F x 0.25 M	10079473
	0.56 M x 0.25 F	10079580
	0.56 F x 0.25 M	10079424
	0.56 M x 0.38 F	10079457
	0.56 F x 0.38 M	10079655
	0.75 M x 0.56 F	49837206*
	0.75 F x 0.56 M	49832801*
UHP Stainless Steel Collar 6,900 bar	0.25	20452959
	0.38	20452965
	0.56	20453124
HP Stainless Steel Collar 4,100 bar	0.25	10078426
	0.38	10078715
	0.56	10079119



DESCRIPTION	PART No.
UHP Stainless Steel Gland 6,900 bar	
0.25	20452962
0.38	20452956
0.56	20453121
HP Stainless Steel Gland 4,100 bar	
0.25	10078459
Anti-Vibration, 0.25	10078699
0.38	10078129
Anti-Vibration, 0.38	10078913
0.56	10078608
Anti-Vibration, 0.56	10093573
0.75	49832678*
UHP Stainless Steel Adapter Cone, 6,900 bar	
0.25	72133266
0.38	72122072
0.56	72133349
HP Stainless Steel Adapter Cone, 4,100 bar	
0.25	10116333
0.38	10078509
0.56	10079291



* Available on request

HIGH PRESSURE FITTINGS

DESCRIPTION

PART No.

UHP Stainless Steel Plug, 6,900 bar

0.25	20453130
0.38	20453136
0.56	20453127



HP Stainless Steel Plug, 4,100 bar

0.25	10078244
0.38	10079523
0.56	10078772



UHP Stainless Steel Hand Valve, Straight, 6,900 bar

0.25	20467981
0.38	20468568
0.56	20468014
Repair Kit	72109979



HP Stainless Steel Hand Valve, Straight, 4,100 bar

0.25	10079259
0.38	10078863
0.56	10078889



DESCRIPTION

PART No.

**UHP Stainless Steel Hand Valve,
90 degree,
6,900 bar**

0.25

20468610

0.38

20468593

0.56

20477836

Repair Kit

72109979

**HP Stainless Steel Hand Valve, 90 degree,
4,100 bar**

0.25

10079002

0.38

10078749

0.56

10079275

**HP Stainless Steel Valve Assembly, 3-Way,
1 Press, 0.38, 2 Stem
4,100 bar**

10119030

**Repair Kit for 1 Stem Hand Valves
4,100 bar**

05218652



* Available on request

DESCRIPTION

PART No.

**■ Poppet Check Valve PRO,
6,900 bar**

0.38	20477619
0.56	20455911
Repair Kit	05221969



**■ Poppet Check Valve,
4,100 bar**

0.25	80073885
0.38	05075999
0.56	10096139



DESCRIPTION

PART No.

- **Filter Element
UHP Water Filter Assembly**

6,200 bar
Sintered Cup, 20 Micron.
For use with UHP Filter Assembly 20475916
& 20475944
- **Filter Element
UHP Water Filter Assembly**

6,200 bar
Sintered Cup, 20 Micron.
For use with UHP Filter Assembly 20481026
& 20480940
- **Filter Element - HP Water Filter Assembly**

4,100 bar
0.25, Sintered Cup, 20 Micron.
For use with HP Filter Assembly 05114137
- **Filter Element - HP Water Filter Assembly**

4,100 bar
.38, Sintered Cup, 20 Micron.
For use with HP Filter Assembly 49863715
- **Filter Element - HP Water Filter Assembly**

4,100 bar
0.56, Sintered Cup, 20 Micron.
For use with HP Filter Assembly 49893555

20453553



20456913



05110531



49862261









49894272



* Available on request

HP WATER FILTER ASSEMBLIES

DESCRIPTION	PART No.	
<div style="background-color: #0056b3; color: white; padding: 2px; margin-bottom: 5px;">UHP Water Filter Assembly - Inline</div> 6,200 bar Small 0.25, Stainless Steel <hr/> 0.38, Stainless Steel	20481026	
	20480940	
<div style="background-color: #0056b3; color: white; padding: 2px; margin-bottom: 5px;">UHP Water Filter Assembly - Inline</div> 6,200 bar Large 0.38, Stainless Steel <hr/> 0.56, Stainless Steel	20475916	
	20475944	
<div style="background-color: #cc0000; color: white; padding: 2px; margin-bottom: 5px;">HP Water Filter Assembly - Inline</div> 4,100 bar 0.25, 20 Micron, Stainless Steel	05114137	
<div style="background-color: #cc0000; color: white; padding: 2px; margin-bottom: 5px;">HP Water Filter Assembly - Inline</div> 4,100 bar 0.38, 20 Micron, Stainless Steel	49863715	
<div style="background-color: #cc0000; color: white; padding: 2px; margin-bottom: 5px;">HP Water Filter Assembly - Inline</div> 4,100 bar 0.56, 20 Micron, Stainless Steel	49893555	
<div style="background-color: #cc0000; color: white; padding: 2px; margin-bottom: 5px;">Bayonet Nipple - HP Water Filter</div> 4,100 bar 0.38 For use in HP Filter Assembly 49863715	05044375	

All dimensions in inch unless specified otherwise.

DESCRIPTION

PART No.

- **UHP, 90°, 0.25 F/F Connections**
6,200 bar
- **HP, 90°, 0.25 F/F Connections**
4,100 bar
- **HP, 90°, 0.25 M/F Connections**
4,100 bar
- **HP, 90°, 0.38 M/F Connections**
4,100 bar

20491098

80129

91959130

10134682



SWIVEL JOINTS - CAP ASSEMBLIES

- **Cap Assembly, 0.25/0.38, M/F**
4,100 bar
- **Cap Assembly, 0.25, F/F**
4,100 bar

91959643

80125



SWIVEL JOINTS - STRAIGHT BODIES

- **UHP Body - Straight, 0.25 Connections**
6,200 bar
- **HP Body - Straight, 0.25 Connections**
4,100 bar
- **HP Body - Straight, 0.38 Connections**
4,100 bar

20486976

05024641

10134716*



* Available on request

SWIVEL JOINTS - SPINDLES

DESCRIPTION

■ UHP Spindle - 0.25 F
6,200 bar

■ UHP Spindle - 0.25 M
6,200 bar

■ HP Spindle - 0.25 F
4,100 bar

■ HP Spindle - 0.25 M
4,100 bar

■ HP Spindle - 0.38 M
4,100 bar

PART No.

20486952

20490843

80126

91959668

49899602



KMT
Photo not available



SWIVEL JOINTS - STRAIGHTS

■ UHP, Straight, 0.25 F/F Connections
6,200 bar

■ UHP, Straight, 0.25 F/M Connections
6,200 bar

■ HP, Straight, 0.25 F/F Connections
4,100 bar

■ HP, Straight, 0.25 M/F Connections
4,100 bar

■ HP, Straight, 0.38 M/F Connections
4,100 bar

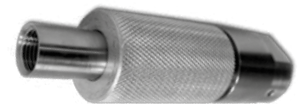
20477623

20490851

80130

91959122

10134708



90 DEGREE BODIES

0.25 = 1/4 inch 0.56 = 9/16 inch
0.38 = 3/8 inch 0.75 = 3/4 inch

DESCRIPTION

PART No.

UHP Body - 90°, 0.25 Connections
6,200 bar

20490859

HP Body - 90°, 0.56 x 0.25 M/F Connections
4,100 bar

91959635

HP Body - 90° 0.38 x 0.38 M/F Connections
4,100 bar

10134690



BUSHINGS

Bushing, 0.25/0.38 Connection
4,100 bar

91959627



THRUST BEARINGS

Thrust Bearing , 0.25 Connections
6,200 bar

20475956

Thrust Bearing 0.25/0.38 Connection
4,100 bar

10084713



* Available on request

SEAL ASSEMBLIES

DESCRIPTION

PART No.

- **Seal Assembly, 0.25 Connections**
6,200 bar

- **Seal Assembly, 0.25/0.38 Connection**
4,100 bar

- **Clamp Collar, 0.25, F/F Connection**
4,100 bar

- **Thrust Washer, 0.25/0.38 Connections**
4,100 bar

20487002**91959650****10154680****10094647**

DESCRIPTION

PART No.

Repair Kit -UHP Swivel Joint Assembly, 0.25/0.38 Connections

72129713*

6,200 bar

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



Tool Kit - UHP Swivel Joint Assembly

20488720

6,200 bar

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



Repair Kit - HP Swivel Joint Assembly, 0.25/0.38 Connections

05116009

4,100 bar

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




* Available on request

CONING & THREADING TOOL KITS


DESCRIPTION

PART No.

 **Tool Kit - Hand Coning/Threading Tools**
 Kit includes 0.25, 0.38 and 0.56 hand coning & hand threading tool

20454198*



 **Tool Kit - Power Coning/Threading Tools**
 Kit includes 0.25, 0.38 and 0.56 power coning & power threading tool

20454201



CONING TOOL ASSEMBLIES

TOOL ASSEMBLIES INCLUDE 4 OZ CONING LUBRICANT

 **Hand Coning Tool Assemblies**

0.25

05108832

0.38

05108857

0.56

05108840



 **Power Coning Tool Assemblies**

0.25

05109897

0.38

05109889

0.56

05109871



THREADING TOOL ASSEMBLIES

0.25 = 1/4 inch 0.56 = 9/16 inch
0.38 = 3/8 inch 0.75 = 3/4 inch

DESCRIPTION

PART No.

TOOL ASSEMBLIES INCLUDE 4 oz CONING LUBRICANT



Hand Threading Tool Assemblies

0.25	05108865
0.38	05108873
0.56	05108881



Power Threading Tool Assemblies

0.25	05122742
0.38	05120258
0.56	05122759



CONING & THREADING



Blade

0.25, Hand or Power, Coning	05108808
0.38, Hand or Power, Coning	05108824
0.56, Hand or Power, Coning	05108816



Retainer

0.25, Hand or Power, Bronze, Threading	05108741*
0.38, Hand or Power, Bronze, Threading	05108758
0.56, Hand or Power, Bronze, Threading	05108766



Retainer

0.25, Power, Bronze, Coning	05109814
0.38, Power, Bronze, Coning	05109822*
0.56, Power, Bronze, Coning	05109830*



Tube Vise

0.25	05108782
0.38	05108790
0.56	05108774



* Available on request

CONING & THREADING

DESCRIPTION

PART No.

Threading Die 1/4-28 LH, 0.25, Hand or Power 3/8-24 LH, 0.38, Hand or Power 9/16-18 LH, 0.56, Hand or Power	05108899
	05108915
	10078301
Collet 0.25, Hand Coning, Stainless Steel 0.38, Hand Coning, Stainless Steel 0.56, Hand Coning, Stainless Steel	05108972
	05108964*
	20439964*



HAND CONING & THREADING TOOL KIT "SMALL BLADE"

Tool Kit - Hand Coning/Threading Tools Kit includes 0.25, 0.38 and 0.56 hand coning & hand threading tool	05210174
---	-----------------

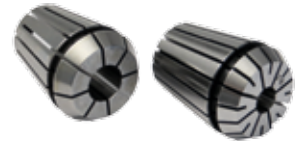


HAND CONING & THREADING TOOL ASSEMBLIES

Hand Coning Tool Assemblies 0.25 0.38 0.56	80386
	80387
	80141
Hand Threading Tool Assemblies 0.25 0.38 0.56	80388
	80389
	80145



DESCRIPTION	PART No.
Collet 0.25, Hand Coning 0.38, Hand Coning 0.56, Hand Coning	80142 80143 80144
Blade Hand Coning, 0.25 - 0.56	80152
Threading Die 1/4-28 LH, 0.25, Hand Threading 3/8-24 LH, 0.38, Hand Threading 9/16-18 LH, 0.56, Hand Threading	80146 80147 80148
Guide Bushing 0.25, Hand Threading 0.38, Hand Threading 0.56, Hand Threading	80149 80150 80151



* Available on request





Miscellaneous Parts & Supplies



LP WATER FILTER COMPONENTS

DESCRIPTION	PART No.	
■ Filter Element, LP Water, 10.0 long, polypropylene 10 micron 40 micron	10106722	
	10100782	
■ ■ Filter Element, LP Water 10 micron, 20.0 long, polypropylene Used on all SL-VI (PRO) units	72125264	
■ ■ Filter Element, LP Water 10 micron, 20.0 long, polypropylene Used on all SL-V, PRO-I and PRO-2 units	49834716	
■ ■ Filter Housing Assembly - LP Water, 0.75 FNPT connections, stainless steel, manual relief valve Uses Part Number 49834716 Filter Element Replaces Part #05038690	72118339	
■ ■ Filter Strainer, 50 NPTF, 40 Mesh, polypropylene	20412815	

HYDRAULIC OIL FILTER COMPONENTS

■ ■ 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	

* Available on request

O-RINGS FOR SEALING HEADS

DESCRIPTION

PART No.

- O-Ring - 131, 1.69 x 1.88 x 0.09, Buna-N, D-70**
 Used on all PRO-I units,
 Used on sealing head 20480113 (p. 18)
- O-Ring, Metric, 3MM x 1XX, Buna-N, D-70**
 Used on SL-IV units
 Used on sealing head 05116769 (p. 19)

10146082

05049853



O-RINGS FOR PNEUMATIC VALVES

- O-Ring - 035, 2.25 x 2.38 x 0.06, Viton, D-75**
 Used on all 4,100 and 6,200 bar
 N/O pneumatic actuator assemblies (p. 44)
- O-Ring - 143, 2.44 x 2.63 x 0.09, Viton, D-75**
 Used on all 4,100 and 6,200 bar
 N/O pneumatic actuator assemblies (p. 44)
- O-Ring - 038, 2.63 x 2.75 x 0.06, Viton, D-70**
 Used on all 4,100 and 6,200 bar
 N/C pneumatic actuator assemblies (p. 44)
- O-Ring - 044, 0.08 x 0.20 x 0.06, Viton, D-75**
 Used on all 4,100 and 6,200 bar
 N/C pneumatic valve assemblies (p. 44)

10074565

10074714

10177806

49895584



DESCRIPTION

PART No.

- O-Ring - 344, 3.88 x 4.25 x 0.19, Buna-N, D-90A**
 Used on all PRO-III units
 Used on hydraulic cylinder head
- O-Ring - 115, 0.69 x 0.88 x 0.09, Buna-N, D-70**
 Used on the proximity switch of all PRO units
- O-Ring - 218, 1.25 x 1.50 x 0.13, Polyurethane, D-70**
 Used on all hydraulic piston assemblies (p. 13)
- O-Ring - 252, 5.25 x 0.5 x 0.13, Viton, D-75**
 Used on all SL-V and SL-VI (PRO) units with a 75 (PRO: 60) to 200 horsepower rating
 Used on hydraulic cylinder head
- O-Ring - 132, 1.75 x 1.94 x 0.09, Buna-N, D-70**
 Used on all SL-V, SL-VI and NL-I units
 O-Ring for LP water inlet
- O-Ring - 214, 1.0 x 1.25 x 0.13, Buna-N, D-70**
 Used on all OEM 50 units and all SL-V and NL-I units with a 15 to 60 horsepower rating
 Used on intensifier support

72176756



05144191



05087713



10074771



10074920



10074409



O-RINGS FOR TOPWORKS

DESCRIPTION

PART No.

- **O-Ring - 240, 3.75 x 4.0 x 0.13, Buna-N, D-70**
Used on all SL-IV, SL-V, SL-VI and NL-I units with a 15 to 60 horsepower rating
Used on hydraulic cylinder head

10075000



- **O-Ring - 129, 1.56 x 1.75 x 0.09, Buna-N, D-70**
Used on all SL-IV units
O-Ring for LP water inlet









10074904



O-RINGS FOR CUTTING HEADS

DESCRIPTION

PART No.

-  **O-Ring - 012, 0.38 x 0.50 x 0.06, Buna-N, D-70**
Used on wear insert for AUTOLINE PRO cutting head assemblies
-  **O-Ring - 011, 0.31 x 0.44 x 0.06, Aflas, D-70**
AUTOLINE II & AUTOLINE PRO cutting head assemblies
Used in wear insert 20453064 (p. 32)
-  **O-Ring - 018, 0.75 x 0.88, Polyurethane, D-70**
AUTOLINE PRO cutting head assemblies
Used in cap 20480732 (p. 31)
-  **O-Ring, 0.69 x 0.81 x 0.06**
AUTOLINE II & AUTOLINE PRO cutting head assemblies
Used in nozzle body 20480715 & 20453958 (p. 31)
-  **O-Ring - 013, 0.44 x 0.56 x 0.06, Buna-N, D-70**
Used on Abrasive Inlet Adapter
Used on IDE II & IDE PRO cutting heads
-  **O-Ring - 012, 0.38 x 0.50 x 0.06, Polyurethane, D-70**
Used on AUTOLINE I & AUTOLINE II cutting head assemblies
Used in cap 20453952 & 05076971 (p. 31)
-  **O-Ring - 016, 0.63 x 0.75 x 0.06, Polyurethane, D-70**
Used on AUTOLINE I cutting head assemblies
Used in nozzle body 05073820 (p. 31)
-  **O-Ring - 014, 0.50 x 0.63 x 0.06, Polyurethane, D-70**
Used on AUTOLINE I cutting head assemblies

05077078



20445476



05142286



05138821



10074870



05081518



05092887



05104930



* Available on request

O-RINGS FOR INLINE FILTERS

DESCRIPTION

PART No.

- **O-Ring - 012, 0.38 x 0.50 x 0.06, Viton, D-75**
 Used in 49893555 Filter Assembly (p. 65)

10074599



BOOSTER PUMPS

Booster Pump, Stainless Steel, CW ROT

- 14 bar, 1.33 gpm
 Used on PRO units with a 60 horsepower rating
- 8 bar, 3.13 gpm
 Used on all SL-V and PRO units with a 75 to 125 horsepower rating
- 14 bar, 1.33 gpm
 Used on all SL-V units with a 15 to 60 horsepower rating
- 14 bar, 1.33 gpm
 Used on all SL-V units with a 15 to 60 horsepower rating and temperature probe

20481206

49836778

49887094

05071659



HOSES

- ■ **Polyurethane Tubing - 0.38, Clear**
- ■ **Push-on Hose - 0.50, 20 bar, Blue**
- ■ **PVC Tubing - 0.50 x 0.748, Reinforced, Static-free**
- ■ **Flexible Tubing - 0.50, Nylon**

49885361

20421272

05076963*

05044532



DESCRIPTION

PART No.

Pressure Gauge - 0-10,300 bar
 0.38 HP, Flush Mount, 6" Face, Glycerin filled
 For use on 6,200 bar pumps
 Requires 20464745 Adapter

20467883



Pressure Gauge - 0-14 bar
 0.25 NPT, back mount, Stainless Steel

05139506



Pressure Gauge - 0-350 bar
 0.25 bottom mount
 For 0.88 plungers, SL-IV and SL-V

05045497



Pressure Gauge - 0-6,900 bar
 0.25 HP, 4.25" Face, bottom mount
 For use on 4,100 bar pumps

20443831



Pressure Gauge - 0-6,900 bar
 0.25 HP, Bottom Mount
 6" Face, Glycerin filled
 For use on 4,100 bar pumps

05125836

PROXIMITY SWITCH KITS

4,100/6,200 bar, 75-200 horsepower
 Used on all 1-1/8" plunger topworks
 Used on all 6,200 bar PRO units

20453925


















E50, 3,800/4,100 bar
 Used on all SL-IV, SL-V, Classic and OEM units
 with a 15 to 60 horsepower rating
Replaces Part #05127584

20453934



* Available on request


ELECTRICAL COMPONENTS


DESCRIPTION	PART No.	
 Solenoid Valve - 24V DC 5,4 W 8,5 W, for AQUALINE Cutting Head	49888035 05450127	
 Output Module - Single Point, 24V DC, 3 amp	10146363	
 Inlet Pressure Switch, 2 bar, Stainless Steel	05140751	
 Valve Proportional Pressure Control	80071087	
 Proportional Control Assembly Kit Including Valve (80071087) and installation material	05121987	
 Directional Control Valve - Electric, 24V DC, D03, 4-way	05017553	
 Directional Control Valve Assembly, 24V DC, D08, 0.055 orifice For SL-IV & SL-V 30, 50, 60 horsepower intensifiers	20437164	
 Knob Adjuster Used on all Hydraulic Cartridge Valve Assemblies Pressure Relief, 1.7-207 bar, SL-V, Classic and OEM units	10187052	
 Water Modulating Valve	10091866	

All dimensions in inch unless specified otherwise.

LIGHT BULBS

DESCRIPTION

 **Light Bulb 24V**
For use with Klockner Moeller Switches

 **Light Bulb 24V AC/DC**
For AB 800F


PART No.


05050216

20484737



PRESSURE TRANSDUCERS

 **UHP Pressure Transducer**
0-6,200 bar

 **Pressure Transducer**
0-5,200 bar

 **PICO Fuse**



20478335

49838478

49885866



* Available on request

	DESCRIPTION	PART No.	
	Hydraulic Tensioner Assembly, PRO Intensifier 6,200 bar	20476132	
	Cylinder Clamp, PRO Intensifier 6,200 bar	20476495	
	Vee Block Cradle	20484961	
	HP Seal Removal Tool		
	0.88 Plunger, 4,100/6,200 bar	10148674	
	1.13 Plunger, 4,100 bar	05146618	
	Plunger Removal Tool		
	0.88 Plunger, 4,100/6,200 bar	20477460	
	1.13 Plunger, 4,100 bar	20477469	
	Plate Glass Pane 8.0 x 8.0 x 0.25	10149052	
	Emery Cloth 320 Grit, 9.0 x 11.0	10149029	
	400 Grit, 9.0 x 11.0	10149037	
	600 Grit, 9.0 x 11.0	10149045	

DESCRIPTION

- Cylinder Wrench**
4,100 bar
- Crowfoot Wrench**
1.625, 0.38 drive
- HP Seal Removal Tool Stand**
4,100 bar
- End Cap Wrench**
4,100 bar , 6x/8x, HSEC

PART No.

05066139

20477489

80078330

80079239



LUBRICANTS

DESCRIPTION

PART No.

 **Pure Goop Thread Lubricant**
1.0 pound


05026281



 **Pure Goop Thread Lubricant**
1.0 ounce


10084440



 **NLGI-2 Swivel Grease**
14.0 ounce


10067189



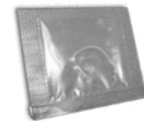
 **FML-2 Grease - FDA Approved**
14.5 ounce


10087385



 **Super-O-Lube O-Ring Grease**
0.07 ounce


20485968



 **Threadlocker Adhesive**
242, 0.50 ML


20487868



 **Threadlocker Primer**
1.75 ounce

20494983



 **JL-M Thread Lubricant**
16.0 ounce

49832199



 **JL-M Thread Lubricant**
15 ML

80082191





* Available on request

Miscellaneous

order.spares@kmt-waterjet.com

Issue Fall 2017

96

KMT Offices Worldwide

Main Office Germany (Bad Nauheim)

KMT GmbH

Phone: +49-6032-997-115

Main Office USA (Baxter Springs)

KMT Waterjet Systems Inc.

Phone: +1-620-856 2151

Main Office China (Shanghai)

KMT Machine Tool Ltd.

Phone: +86-21-50 48 46 21

Office Spain (Madrid)

KMT Waterjet Systems S.L.

Phone: +34-91-510 37 98

Office UK (Birmingham)

KMT Waterjet Systems

Phone: +44-1384-408 892

Office Russia (Moscow)

KMT Waterjet LLC

Phone: +7-495-665 02 52

Office France (Lissieu)

KMT Waterjet France SARL

Phone: +33-4-78 22 69 45

Office Poland (Warsaw)

KMT Sp. z o.o.

Phone: +48-22-545 06 60

Office U.A.E. (Dubai)

KMT Waterjet Systems

Phone: +971-4-701 79 66

Office Italy (Milan)

KMT Italia SRL

Phone: +39-02-642 21 801

Office Sweden (Ronneby)

KMT Waterjet Systems

Phone: +46-708-32 45 20

Office India (Mumbai)

Karolin Machine Tools Pvt Ltd.

Phone: +91-22-285 724 94

Global Service Around The Corner



Your notes

Description	Part No.	Comment



Description	Part No.	Comment

Index

Item #	page	Item #	page	Item #	page	Item #	page
80125	74	05045497	90	05108816	80	05122742	80
80126	75	05049689	84	05108824	80	05122759	80
80129	74	05049853	85	05108832	79	05123385	13
80130	75	05049994	19	05108840	79	05125836	90
80142	82	05050216	92	05108857	79	05130091	19
80143	82	05051891	49	05108865	80	05130927	50
80144	82	05054119	57	05108873	80	05131347	64
80145	81	05059688	22	05108881	80	05132253	20
80146	82	05059712	22	05108899	81	05133335	31
80147	82	05063847	48	05108915	81	05135827	40
80148	82	05066139	94	05108964	81	05136031	59
80149	82	05069703	52	05108972	81	05136098	48
80150	82	05071659	89	05109079	48	05138821	88
80151	82	05073820	39	05109814	80	05139506	90
80152	82	05075999	71	05109822	80	05140751	91
80175	81	05076955	40	05109830	80	05142286	88
80217	48	05076963	89	05109871	79	05144191	86
80220	48	05076971	39	05109889	79	05144357	28
80225	48	05076989	41	05109897	79	05144506	17
80227	48	05077029	48	05110531	72	05144514	16
80230	48	05077037	48	05112057	63	05144597	29
80235	48	05077078	88	05112537	48	05144688	27
80240	48	05077300	48	05114137	73	05144696	29
80245	48	05077367	40	05114897	48	05145099	23
80386	81	05078530	36	05114905	48	05146576	20
80387	81	05078712	41	05114921	48	05146584	19
80388	81	05081518	88	05115951	14	05146618	93
80389	81	05084504	48	05115977	14	05146964	53
80423	48	05086905	64	05116009	78	05149703	13
80433	48	05087168	41	05116017	53	05149711	13
05007786	23	05087713	86	05116025	53	05210174	81
05013735	59	05092887	88	05116595	29	05214794	48
05017553	91	05097928	50	05116652	50	05218652	70
05024641	74	05097936	50	05116769	27	05221943	14
05026281	95	05097944	50	05116777	29	05221951	14
05027172	14	05101753	48	05117528	49	05221969	71
05034764	16	05104187	84	05117940	20	05222836	48
05034772	16	05104930	88	05117965	20	05225470	56
05034798	23	05108741	80	05119151	17	05225488	56
05034855	19	05108774	80	05120092	19	05225496	56
05039771	17	05108782	80	05120258	80	05226511	49
05044375	73	05108790	80	05121512	48	05226537	49
05044532	89	05108808	80	05121987	91	05226545	49

Item #	page	Item #	page	Item #	page	Item #	page
05450127	55 91	10079457	67	10138436	59	10193100	60
10067189	95	10079465	66	10138444	59	20412815	84
10069326	63	10079473	67	10138451	59	20414880	16
10074409	86	10079481	66	10138469	59	20416445	16
10074565	85	10079523	69	10138485	60	20417000	27 28
10074599	89	10079531	65	10138493	60	20417081	27
10074714	85	10079580	67	10138501	60	20421272	89
10074771	86	10079614	65	10138519	60	20422243	13
10074870	88	10079655	67	10138527	60	20422970	64
10074920	86	10083897	64	10138535	60	20422988	64
10075000	87	10084440	95	10138584	59	20427648	54
10077030	57	10084713	76	10138592	59	20427739	52
10078038	66	10087385	95	10138600	59	20427747	31
10078129	68	10090280	63	10138618	59	20436198	45
10078145	65	10091866	91	10138634	59	20437164	91
10078244	69	10093573	68	10138642	59	20439964	81
10078301	81	10094175	63	10138659	59	20442434	40
10078426	67	10094183	63	10138667	60	20443831	90
10078459	68	10094191	63	10138675	60	20445476	88
10078509	68	10094647	77	10138683	60	20448625	48
10078525	65	10094704	63	10138691	60	20451227	49
10078590	66	10096139	71	10138709	60	20452309	49
10078608	68	10097228	66	10138717	60	20452956	68
10078640	65	10100782	84	10138725	60	20452959	67
10078699	68	10102226	57	10138824	52	20452962	68
10078715	67	10103018	63	10146082	85	20452965	67
10078749	70	10105443	63	10146363	91	20452968	66
10078772	69	10105880	63	10148674	93	20452971	66
10078780	65	10106417	28	10149029	93	20453064	40
10078863	69	10106722	84	10149037	93	20453082	40
10078889	69	10110393	29	10149045	93	20453115	66
10078905	65	10116333	68	10149052	93	20453121	68
10078913	68	10119030	70	10154680	77	20453124	67
10079002	70	10126928	49	10177806	85	20453127	69
10079028	65	10126936	49	10177855	55	20453130	69
10079051	65	10126969	49	10181105	60	20453136	69
10079119	67	10134682	74	10181113	59	20453553	72
10079168	66	10134690	76	10184760	52	20453925	15 90
10079259	69	10134708	75	10186153	64	20453934	15 90
10079275	70	10134716	74	10187052	91	20453949	36
10079291	68	10138402	59	10187250	56	20453952	39
10079424	67	10138410	59	10189181	54	20453958	39
10079432	67	10138428	59	10189553	55	20453964	41

Item #	page	Item #	page	Item #	page	Item #	page
20453973	41	20476132	93	20481408	35	20487241	58
20453976	41	20476495	93	20481409	35	20487249	58
20454108	36	20477023	65	20481410	35	20487257	58
20454129	40	20477366	49	20481411	35	20487273	58
20454198	79	20477382	49	20481412	35	20487868	95
20454201	79	20477386	49	20481413	35	20487975	62
20454339	40	20477395	49	20481414	35	20488720	78
20454342	42	20477460	93	20481415	35	20489074	60
20454345	42	20477469	93	20481416	35	20489092	60
20454351	57	20477489	94	20481418	35	20489107	62
20454354	52	20477505	30	20481607	47	20489115	62
20454363	42	20477518	53	20481609	47	20489495	31
20454366	42	20477521	53	20481613	47	20489761	62
20454426	42	20477619	71	20481660	29	20490760	49
20455329	60	20477623	75	20481704	44	20490768	49
20455374	66	20477660	65	20481705	44	20490843	75
20455377	65	20477685	65	20481706	44	20490851	75
20455809	65	20477709	65	20481707	44	20490859	76
20455812	66	20477730	65	20481708	44	20491098	74
20455821	65	20477738	65	20481709	44	20491603	18
20455824	66	20477836	70	20481710	44	20492123	23
20455911	71	20478335	92	20481711	44	20493999	62
20456913	72	20478649	62	20481712	44	20494983	95
20458242	40	20478751	62	20481713	44	20496208	47
20464647	60	20478993	56	20481714	44	20496210	47
20467135	13	20479022	55	20481715	44	20496211	47
20467883	90	20479499	13	20481716	44	20496212	47
20467981	69	20479524	28	20481717	44	20496214	47
20468014	69	20479589	40	20481718	44	20496215	47
20468568	69	20480087	26	20481719	44	20497106	58
20468593	70	20480113	26	20481720	44	20497767	18
20468610	70	20480359	52	20481721	44	20498314	23
20468617	54	20480707	35	20481722	44	49830904	57
20468634	52	20480715	39	20484737	92	49832199	95
20468830	62	20480732	39	20484961	93	49832678	68
20470475	54	20480940	73	20485968	95	49832801	67
20474154	55	20480977	60	20486133	49	49833593	49
20474333	18	20480993	56	20486151	49	49834716	84
20475871	54	20481005	26	20486158	49	49835390	49
20475882	56	20481009	28	20486166	49	49836778	89
20475916	73	20481026	73	20486952	75	49836786	45
20475944	73	20481206	89	20486976	74	49837206	67
20475956	76	20481407	35	20487002	77	49838478	92

Item #	page	Item #	page	Item #	page	Item #	page
49862261	72	72108319	62	72162253	17	20477950018	36
49863574	45	72109979	69 70	72163802	18	20477959007	35
49863582	45	72110945	18	72166738	21	20477959008	35
49863590	45	72110961	28	72168337	14	20477959009	35
49863608	45	72110979	26	72170157	26	20477959010	35
49863616	45	72113373	28	72176756	86	20477959011	35
49863624	45	72113680	46	80070352	23	20477959012	35
49863632	45	72113688	46	80070519	63	20477959013	35
49863665	56	72117819	30	80071087	91	20477959014	35
49863715	73	72118339	84	80073646	22	20477959016	35
49865405	56	72119529	22	80073885	71	20477959018	35
49865850	45	72119536	21	80074057	31	A22593	59
49885361	89	72119544	21	80074446	60	A22594	59
49885866	92	72120023	22	80075252	49	A22595	59
49887094	89	72121850	21	80075781	48	A22596	59
49888035	55 91	72121858	21	80077795	54	A225910	59
49888852	45	72122072	68	80078330	94	A225911	59
49888860	45	72125203	31	80079239	94	A225912	59
49888878	45	72125264	84	80082191	95	A2259800	59
49888886	45	72127441	18	80084403	30	A2260003	45
49888894	45	72129713	78	80085079	14	A2260011	45
49888902	45	72132350	46	80086622	19	A2260013	45
49888910	45	72132358	46	80086663	48	A2260015	45
49888928	45	72133175	67	80086671	48	A2260016	45
49888936	45	72133183	67	91954073	45	A2260018	45
49888944	45	72133209	67	91959122	75	A2260019	45
49888951	45	72133224	67	91959130	74	A2260020	45
49888969	45	72133232	67	91959627	76	A2260022	45
49888977	45	72133250	67	91959635	76		
49888985	45	72133266	68	91959643	74		
49888993	45	72133349	68	91959650	77		
49893555	73	72135447	30	91959668	75		
49894249	57	72136231	46	20477950007	36		
49894272	72	72136249	46	20477950008	36		
49895584	85	72136256	46	20477950009	36		
49899602	75	72138164	17	20477950010	36		
72101354	60	72141569	15	20477950011	36		
72103361	62	72142526	26	20477950012	36		
72103379	62	72146433	15	20477950013	36		
72103386	62	72154588	21	20477950014	36		
72103535	62	72154603	26	20477950016	36		
72103733	62	72158494	13				
72104402	62	72160831	21				

Please note that all technical details shown in this catalog are subject to change and pictures are similar.



KMT GmbH • KMT Waterjet Systems

Hohe Straße 4-6 • 61231 Bad Nauheim • Germany
Phone: +49-6032-997-0 • Fax: +49-6032-997-270
www.kmt-waterjet.com • info@kmt-waterjet.com

KMT Waterjet Systems Inc.

635 West 12th Street
Baxter Springs • KS 66713 • USA
Phone: +1-620-856-2151

KMT Machine Tool Ltd.

No. 251 Ri Ying Nan Road • WaiGaoQiao Free Trade Zone
Shanghai, 200131 • China
Phone: +86-21-5048-4621