



PRODUCTS

MIKROTIP PRODUCT CATALOG

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Who We Are

Mikrotip Canada Inc. is a full service manufacturer, We specialize in providing **customized solutions either** products and or services for a range of industries, we can cover from design to manufacturing and testing, we do it all at competitive rates. A dedication to producing high quality products and on time delivery is the cornerstone of our business. We pride ourselves on establishing long-term, relationships with our customers and vendors.

Mikrotip Canada Inc. was incorporated in 2012 with a vision to provide simple solutions to any of our customer's problems. For the last five years we have been achieving this by re-visiting the machinability of our customer's part or by completely designing a new product with their end goal in mind, this has led us and our employees to become extremely adaptable and dependable. In these short years we have worked with extremely diverse materials being proof that it is not the machines but people that create quality.





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Product End Users

Mikrotip Canada Inc. existing customers are Canadian leading producers like Cenovus Energy, Husky Energy, and ConocoPhillips and on the service side; we provide equipment to companies like Reservoir Group in the United Kingdom, MB Century in New Zealand, New Age Energy Services, Precised Downhole Services, WIKA, GEO PSI, and ALTUS Intervention in Canada as well as Halliburton and Schlumberger.





PRODUCTS

Well Head Components / Pack-Off Systems / Pressure Control Products

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Pack-Off Assembly

Mikrotip's Pack-Off Assembly which consists of landing nipple, housing, high tensile clamp, crown swivel, and showerhead can accommodate up to 22 lines as well as a many custom configurations to meet your needs.



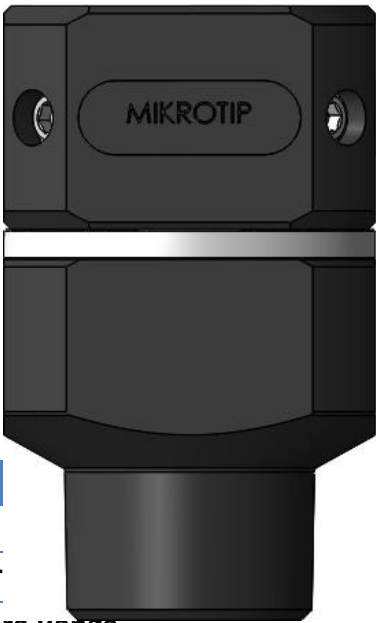
Our Pack-Off Assembly has the following features that make it the right choice:

1. Independent Swivel: allows you to turn the cable assembly after it is landed while maintaining seal.
2. Single Seal, Driver, and Threaded Cap combination allows for easy installation.
3. Torque spacer ring guarantees pressure seal and eliminates over torqueing.
4. Short compact design.
5. Clamp with high tensile locking bolts.
6. Customizable line configurations (4mm, 1/8", 3/8", 1/2", 5/8").

Specifications	
Material	SS304/17-4, 4140
Seal Material	Viton, Teflon, Peak,XP-267
Temperature Range	225C
Pressure Rating	3,000 PSI
Thread Connection	2 3/8" 8 RD LP
Height	19"
OD	4"

Compression Gland Showerhead Style

Mikrotip’s Compression Gland can accommodate up to 22 lines with custom configurations with robust design of threaded cap to achieve pressure seal without over torqueing.



- Our independent Showerhead has the following features that make it the right choice:

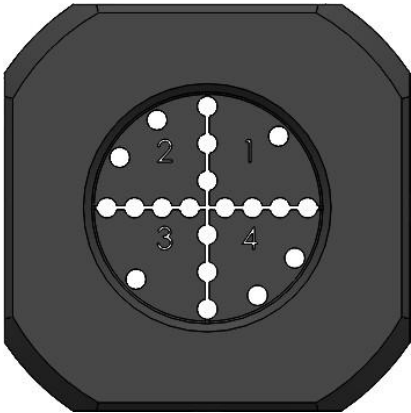
1. Single Seal, Driver, and Threaded Cap Combination allows for easy installation.

2. Torque spacer ring guarantees pressure seal and eliminates over torqueing.

3. Short compact design.

4. Customizable line configurations (4mm, 1/8", 3/8", 1/2", 5/8").

Material	304/17-4, 4140
Seal Mater	teflon, Peak,XP-267
Temperature range	225C
Pressure Rating	3,000 PSI



Thread Connection

Customizable



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Height	4"
OD	3"

Pack-Off Crown Swivel

Mikrotip's Pack-Off Crown Swivel allows a full 360° rotation of the top or bottom of the pack-off system to prevent lines twisting or curving during operation.

Our Pack-Off Crown Swivel has the following features that make it the right choice:

1. Independent Swivel, allows you to turn the cable assembly after it is landed while maintaining seal.
2. 360° rotation.
3. Short compact design.
4. Corrosion resistant throughout.



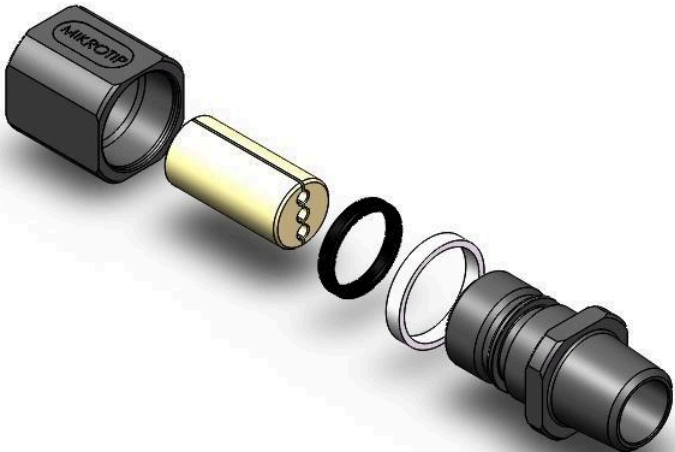
Specifications	
Material	SS304/17-4, 4140
Seal Material	Viton, Teflon, Peak,XP-267
Temperature Range	225C
Pressure Rating	3,000 PSI
Thread Connection	Customizable
Height	5.50"
OD	3.50"

High Pressure Glands

Mikrotip’s High Pressure Glands designed and manufactured in-house can be utilized for lines starting from 4mm, 1/8” to ½” with ability to accommodate multi-lines.

Our high pressure glands have the following features that make them the right choice:

1. Case Hardened for increased durability and eliminate expansion contraction.
2. 10 times make and break without having to replace the sealing element.
3. Multiple sealing materials.
4. Option anti rotation key.
5. Spacer ring to eliminate over torquing without the requirement of a torque wrench.



IMI 2000

IMI 3000

Material	SS304/17-4	SS304/17-4
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Seal Material	Viton, Teflon,	Viton, Teflon,
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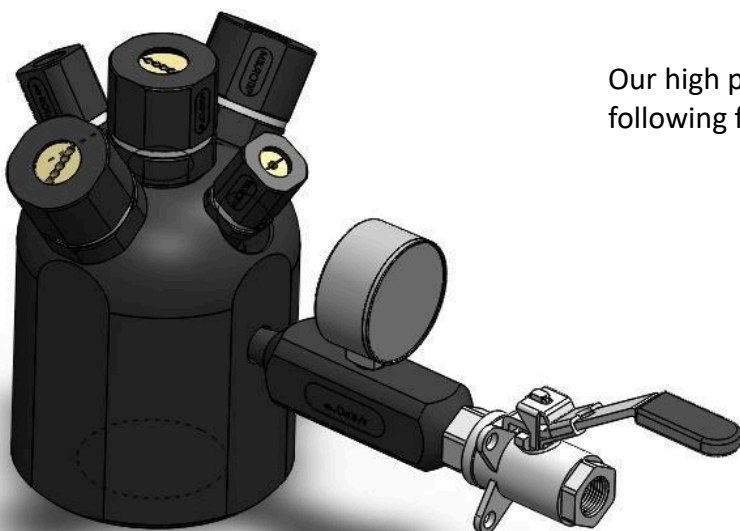


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	Peak, XP-267	Peak, XP-267
Temperature Range	225C	225C
Pressure Rating	3,000 PSI	3,000 PSI
Thread Connection	½" NPT	½", ¾" NPT
Lines	4mm, 1/8"	4mm, 1/8", 3/8", ½"
Height	2.145"	2.508"
OD	1.160"	1.740"

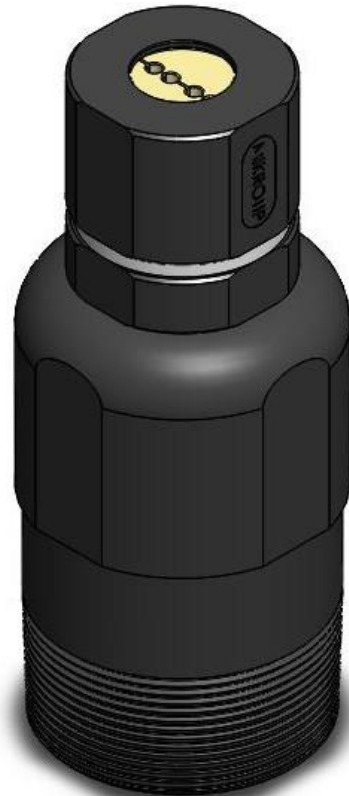
High Pressure Gland Wellhead/Bull Plug

Mikrotip's High Pressure Gland Wellhead/Bull Plug is designed to thread right into the wellhead that can accommodate up to 5 pressure glands.



Our high pressure gland wellhead/bull plug has the following features that make them the right choice:

1. Multi-line pressure glands.
2. 4140 or 304SS Material.
3. 10,000 PSI Pressure rating.
4. Bleed-off assembly.
5. Plugs available.
6. Custom threaded ports available.



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Safety Equipment Products

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Engineered Safety Snipe

Mikrotip's Engineered Safety Snipe is to prevent injuries in the field with existing snipes breaking and/or becoming loose. Handle with manufactured grip and barrel design; this eliminates the use of random pipe or pup joint sliding it over a wrench to torque.



Our Engineered Safety Snipe has the following features that make it safe and practical option:

1. True Handle with manufactured grip that even the smallest of field hands can grip onto it with ease.
2. Our barrel and pin system allows for use with multiple sizes of wrenches.
3. Our 2 piece handle and barrel design dictate the weak spot to eliminate unsafe use while maintaining a maximum of 600 pounds of force or 2400 lb/ft. of loosening torque.

Specifications	
Length	48"
Weight	11.6 lbs
Handle Diameter	1 3/4" – 2"
Barrel Diameter	2 3/8"



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Seismic Products

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Geophone

Mikrotip's Geophone is used for seismic monitoring. Uses up to 18 multi directional sensors to detect leaks on pipes, cracks on the foundation, and detects multiple seismic activities.



Our Geophone has the following features that make them the right choice:

1. Economical.
2. Standard connections.
3. 100% Water and Moisture proof.
4. Corrosion resistant throughout.
5. Modifiable to any combination of sensors.

Specifications	
Material	SS304 External, 6061 T6 Internal
Length	34"
Diameter	2"
Mass	18.5 lbs
Pressure Rating	3,000 PSI
Pull Strength	1,700 lbs (depending on cable)
Cable	Insulated 6 conductor; different lengths available
Sensors	18 total; 6-x direction, 6 y-direction, 6-z direction

Geophone Mini Assembly

Mikrotip's Mini Geophone is used for seismic monitoring. Uses up to 3 multi directional sensors to detect leaks on pipes, cracks on the foundation, and detects multiple seismic activities.



Our Geophone Mini Assembly has the following features that make them the right choice:

1. Short and compact design.
2. Assembled into a multi-stage pack along the seismic cable up to 6 systems.
3. Economical.
4. Standard connections.
5. 100% Water and Moisture proof.
6. Corrosion resistant throughout.
7. Modifiable to any combination of sensors.

Specifications	
Material	SS304 External, 6061 T6 Internal
Length	14.74"
Diameter	2"
Mass	10.5 lbs
Pressure Rating	3,000 PSI
Pull Strength	1,700 lbs (depending on cable)
Cable	Insulated 6 conductor; different lengths available
Sensors	3 total; 1-x direction, 1 y-direction, 1-z direction



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E-Line Products

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E-Line Cross-over Subs

Mikrotip’s E-line Crossover is used together with the e-line tool string. This makes connecting different threads or size tools possible.

Our E-Line Cross-over Subs has the following features that make them the right choice:

1. Solid AMCO 45 conductor with PEEK insulators.
2. Cased Hardened depending on application.
3. Male and Female positioning modifiable.
4. Body wide flats.
5. Only gold coated pins used.
6. Spring-loaded pins available.
7. Corrosion resistant throughout.



MT7600

MT7650 SPRING
LOADED

Material	SS304/17-4/AMPCO 45	SS304/17-4/AMPCO 45
Sizes	1 3/8", 1 11/16", 2 1/8"	1 3/8", 1 11/16", 2 1/8"



Custom sizes available

Custom sizes available

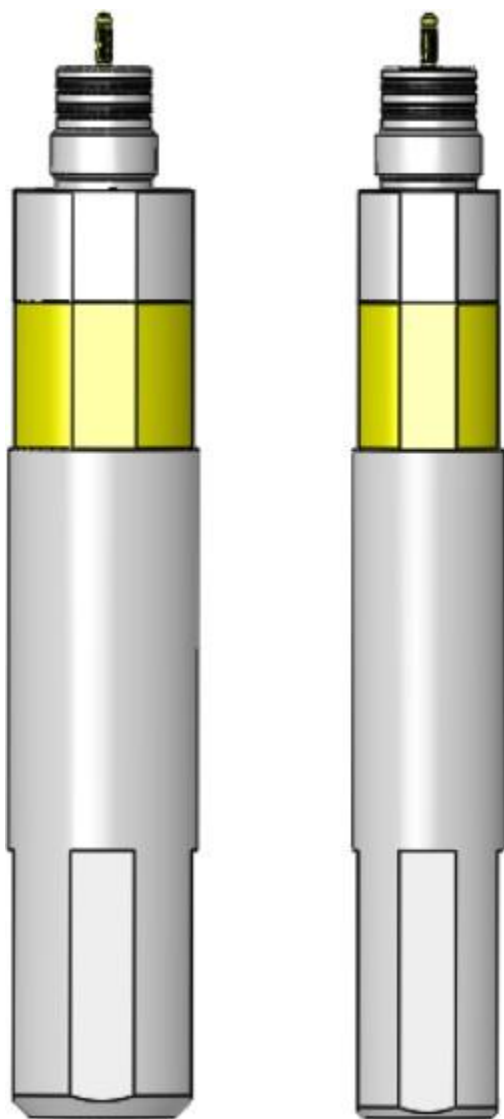


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Temperature Range	-25C to 204C -13F to 400F High temp available	-25C to 204C -13F to 400F High temp available
Pressure Rating	15,000 – 20,000 PSI	15,000 – 20,000 PSI
Max Load Pull	26,000 lbs	26,000 lbs
Pin Connection	Standard (interchangeable) Custom connection available	Standard (interchangeable) Custom connection available
Thread Connection	1 3/16-12 UN Custom thread available	1 3/16-12 UN Custom thread available

E-Line Swivel Joint

Mikrotip's E-line Swivel Joint is used to allow 360° degree rotation within the E-line tool string, while maintaining rigidity and electrical integrity.



Our E-Line Swivel Joint has the following features that make them the right choice:

1. Solid compact design.
2. Easily maintainable.
3. Flexible 360° rotation.
4. Male and Female positioning modifiable.
5. Body wide flats.
6. Only gold coated pins used.
7. Corrosion resistant throughout.

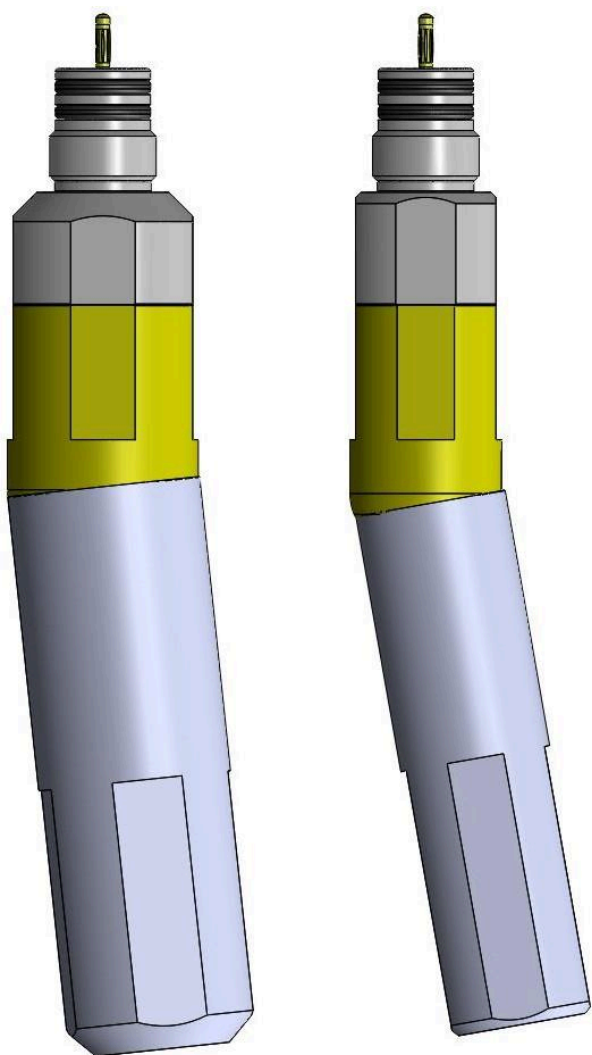
Specifications		
	MT6100	MT7000
Material	17-4/AMPCO 45	17-4/AMPCO 45
Sizes	1 11/16"	2 1/8"
	Custom sizes available	Custom sizes available
Temperature Range	-25C to 204C	-25C to 204C
	-13F to 400F	-13F to 400F
	High temp available	High temp available
Pressure Rating	15,000 PSI	20,000 PSI
Max Load Pull	15,000 lbs	26,000 lbs
Pin Connection	Standard (interchangeable)	Standard (interchangeable)
	Custom connection available	Custom connection available
Thread Connection	1 3/16-12 UN	1 3/16-12 UN
	Custom thread available	Custom thread available



PRODUCTS

E-Line Knuckle Joint

Mikrotip's E-line Knuckle Joint is used to provide angular flexibility within the tool string, while maintaining rigidity and electrical integrity. Also provides maneuverability and improved weight distribution in deviated and horizontal wells.



Our E-Line Knuckle Joint has the following features that make them the right choice:

1. Solid compact design.
2. Easily maintainable.
3. Provides 10° degree flexibility.
4. Male and Female positioning modifiable.
5. Body wide flats.
6. Only gold coated pins used.
7. Corrosion resistant throughout.

Specifications		
	MT6200	MT7900
Material	17-4/AMPCO 45	17-4/AMPCO 45
Sizes	1 11/16" Custom sizes available	2 1/8" Custom sizes available
Temperature Range	-25C to 204C -13F to 400F High temp available	-25C to 204C -13F to 400F High temp available
Pressure Rating	15,000 PSI	20,000 PSI
Max Load Pull	15,000 lbs	26,000 lbs
Pin Connection	Standard (interchangeable) Custom connection available	Standard (interchangeable) Custom connection available
Thread Connection	1 3/16-12 UN Custom thread available	1 3/16-12 UN Custom thread available
Bend	10°	10°

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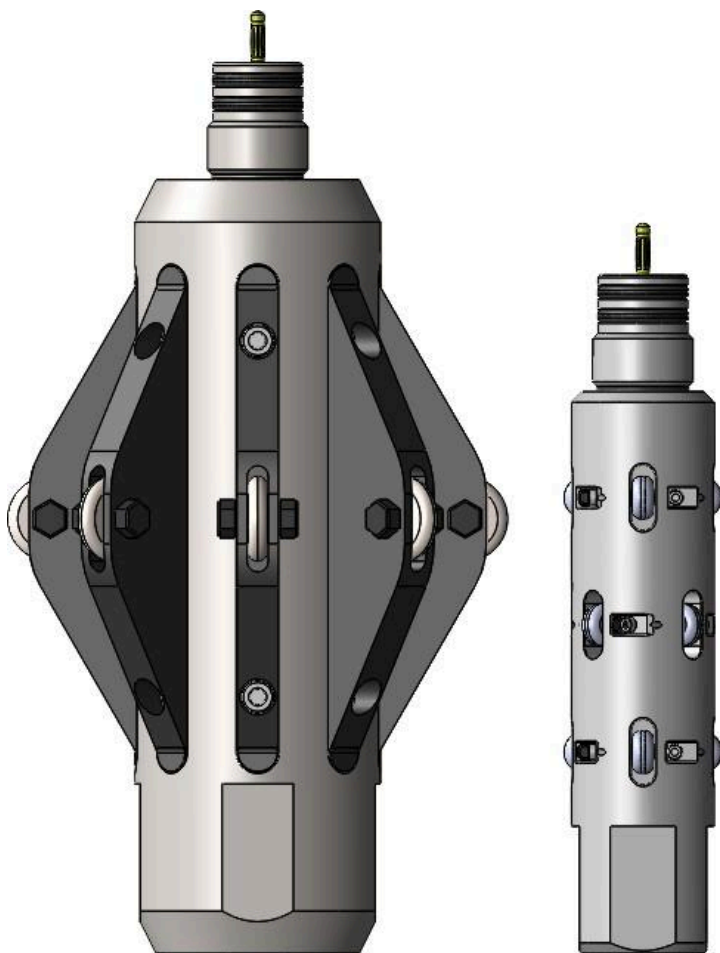
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E-Line Roller Deployment

Mikrotip's E-line Roller Deployment is used to protect and reduce friction within the tool string while being pushed or pull along the casing. Interchangeable fins make the E-Line RDT unique that centralizes the tool string and can accommodate different sizes of casing with ease.

Our E-Line Roller Deployment has the following features that make them the right choice:

1. Solid compact design.
2. Easily maintainable.
3. Interchangeable fin sizes.
4. Male and Female positioning modifiable.
5. Body wide flats.
6. Only gold coated pins used.
7. Corrosion resistant throughout.



Specifications		
	MT6000	MT7800
Material	4140/Inconel 718	4140/Inconel 718
Sizes	1 11/16", 2 1/8" Custom sizes available	2 1/8" and above Custom sizes available
Temperature Range	-25C to 204C -13F to 400F High temp available	-25C to 204C -13F to 400F High temp available
Pressure Rating	15,000 – 20,000 PSI	20,000 and above PSI
Max Load Pull	15,000 – 26,000 lbs	26,000 lbs
Pin Connection	Standard (interchangeable) Custom connection available	Standard (interchangeable) Custom connection available
Thread Connection	1 3/16-12 UN Custom thread available	1 3/16-12 UN Custom thread available
Wheels	12	8
Fins	N/A	Interchangeable fin sizes ranging from 2 1/8" up to 6" casing

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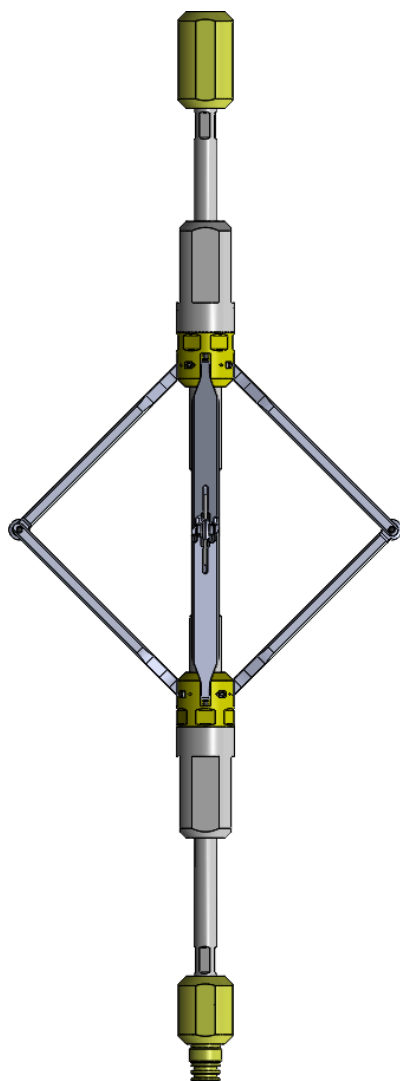
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E-Line Centralizer

Mikrotip's E-line Centralizer is used to centralize the tool string accurately in horizontal, vertical, or deviated wells. The 4 arm rugged centralizer provides strong centralization force when fully open and collapsible to allow passage in different sizes of casing and narrow restrictions without losing centralization throughout.



Our E-Line Centralizer has the following features that make them the right choice:

1. Rugged design.
2. Easily maintainable.
3. Robust mechanical arms.
4. Adjustable spring load.
5. Male and Female positioning modifiable.
6. Only gold coated pins used.
7. Prevent tools from wear.
8. Corrosion resistant throughout.

Specifications		
	MT6300	MT7100
Material	17-4/AMPCO 45/Inconel 718	17-4/AMPCO 45/Inconel 718
Sizes	1 11/16"	2 1/8"
Temperature Range	-25C to 204C	-25C to 204C
	-13F to 400F	-13F to 400F
	High temp available	High temp available
Pressure Rating	15,000 PSI	20,000 PSI
Max Load Pull	15,000 lbs	26,000 lbs
Pin Connection	Standard (interchangeable)	Standard (interchangeable)
	Custom connection available	Custom connection available
Thread Connection	1 3/16-12 UN	1 3/16-12 UN
	Custom thread available	Custom thread available
Arms	4	4
Wheels	4	4
Casing Sizes	2" to 7"	7" to 13.5"



PRODUCTS

E-Line Shock Absorber

Mikrotip's E-line Shock Absorber is used to dampen impact shock loads within the tool string to prevent damage to delicate instrumentation or tools.



Our E-Line Shock Absorber has the following features that make them the right choice:

1. Rugged design.
2. Easily maintainable.
3. Dampen impact shock loads.
4. Prevents damage in the tool string.
5. Spring loaded pins.
6. Adjustable spring load.
7. Male and Female positioning modifiable.
8. Corrosion resistant throughout.

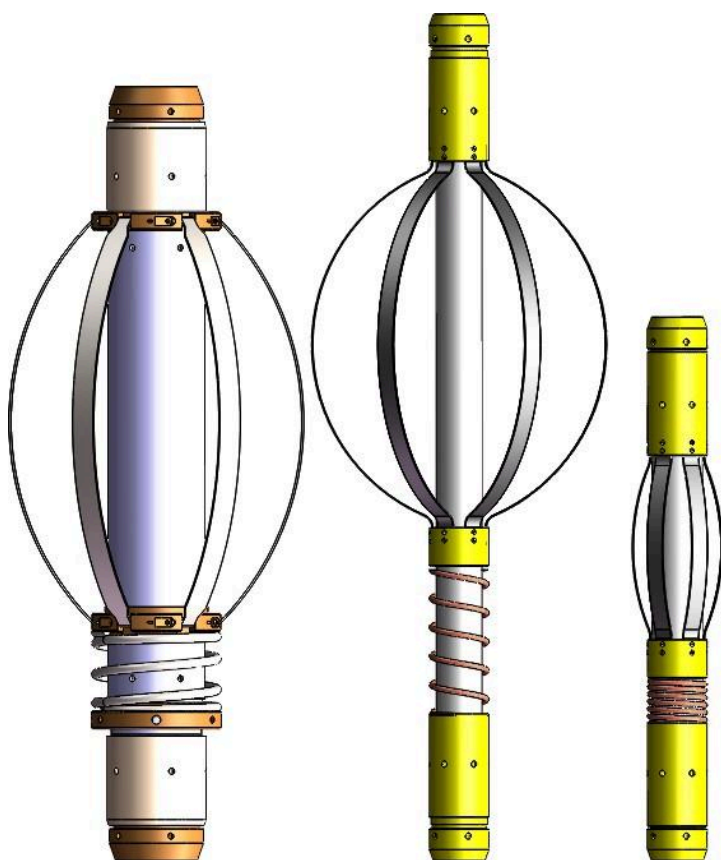
Specifications		
	MT6300	MT7300
Material	17-4/4340	17-4/4340
Sizes	1 11/16"	2 1/8" 3"
Temperature Range	-25C to 204C -13F to 400F High temp available	-25C to 204C -13F to 400F High temp available
Pressure Rating	15,000 PSI	20,000 PSI
Max Load Pull	15,000 lbs	26,000 lbs
Pin Connection	Standard (interchangeable) Custom connection available	Standard (interchangeable) Custom connection available
Thread Connection	1 3/16-12 UN Custom thread available	1 3/16-12 UN Custom thread available

Slip-On Bow Spring Centralizer

Mikrotip's Slip-On Bow Spring Centralizer is used to slip onto the tool string to provide centralization without having to thread itself to the tool string. The 6 rugged bow springs provides strong centralization force when fully open and collapsible to allow passage in different sizes of casing and narrow restrictions without losing centralization throughout.

Our E-Line Slip-On Bow Spring Centralizer has the following features that make them the right choice:

1. Rugged design.
2. Easily maintainable.
3. 6 robust bow springs.
4. Adjustable spring load.
5. Prevent tools from wear.
6. Corrosion resistant throughout.



Specifications		
	MT7300(LARGE)	MT7200(SMALL)
Material	17-4/304/AMPCO 45	17-4/304/AMPCO 45
Sizes Tool OD	5.5" Custom sizes available	2.525" Custom sizes available
Sizes Tool ID	1 3/8" up to 3.150" Custom sizes available	1 3/8" up to 3.150" Custom sizes available
Bow Springs	5	6
Bow Springs Load	200 or 300 lbs Custom spring load available	150 or 200 lbs Custom spring load available
Casing Sizes	6" up to 13.5" Custom sizes available	2.5" up to 13.5" Custom sizes available



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Coiled Tubing Products

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Coil Tubing Gas Lift Subs

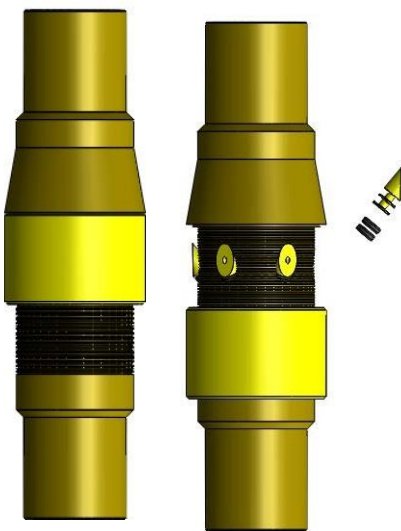
Mikrotip’s Gas Lift Subs is used to pump high pressure gas down to the coil tubing. With the pluggable gas lift sub, it eliminates having to cut the coil tubing after the pumping gas down hole.

Our Gas Lift Subs has the following features that make them the right choice:

1. Weldable.
2. Guaranteed seal when plugged.
3. Non-threaded plugs not affected by corrosion.
4. Compact design.
5. Won’t affect bending of the spool.
6. Available in different sizes.



	Specifications	
	MT4006	MT4007
Pluggable	No	Yes
Pressure Rati	N/A	2,000 PSI when plugged
Material	17-4/Nitronic	17-4/Nitronic





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Sizes	Custom sizes available	Custom sizes available
Temperature Range	N/A	-25C to 204C -13F to 400F High temp available



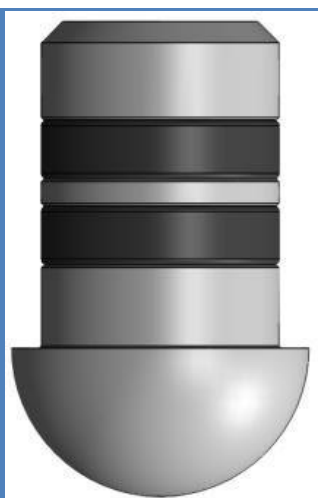
PRODUCTS

Coil Tubing Plugs

Mikrotip's coil tubing Plugs are used to plug the end of the coiled tubing to prevent pressure from the wellbore coming in while running in hole.

Our coil tubing plugs has the following features that make them the right choice:

1. Double O-ring seal.
2. Compact design.
3. Available in different sizes.



Specifications

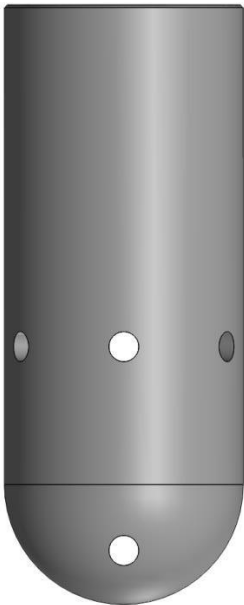
MT4014	
OD	1 ¼", 1 ½", 1 ¾", 2" Custom sizes available
Length	2.875", 3", 3.25", 3.5" Custom sizes available
Material	SS304
Temperature Rating	-25C to 204C
	-13F to 400F
	High temp available

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Coil Tubing Bull Nose Jetting Nozzles

Mikrotip’s Bull Nose Jetting Nozzles comes in single or multi-port nozzle that can be manufactured in any orientation of up, down, or side and custom port sizes to achieve optimum performance during operations.



Our Bull Nose Jetting Nozzles has the following features that make them the right choice:

1. Rugged design.
2. Customizable port sizes and orientation.
3. Available in different sizes.
4. Full radial coverage.

Specifications	
MT4015	
OD	Custom sizes available
Length	Custom sizes available
Material	SS304
Ports	Custom sizes available
Threads	Custom threads available