

AccuLock™ R Series Consumables

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MIG (GMAW) Welding Consumables 

Quick Specs	Applications	Series Components	Compatible With	Wire Size
	Automotive Fabrication Manufacturing	Nozzles Gas Diffusers Contact Tips QUICK LOAD® Liners	TOUGH GUN® Robotic Air-Cooled Guns TOUGH GUN® Fixed Automatic Air-Cooled Guns	0.030" to 3/32" (0.8 to 2.4 mm)

In robotic MIG welding applications, MIG gun consumables require frequent replacement, contributing to both planned and unplanned downtime. If you need to increase throughput and efficiency with minimal risk and effort, **it's time to take a fresh look at your MIG gun consumables.**

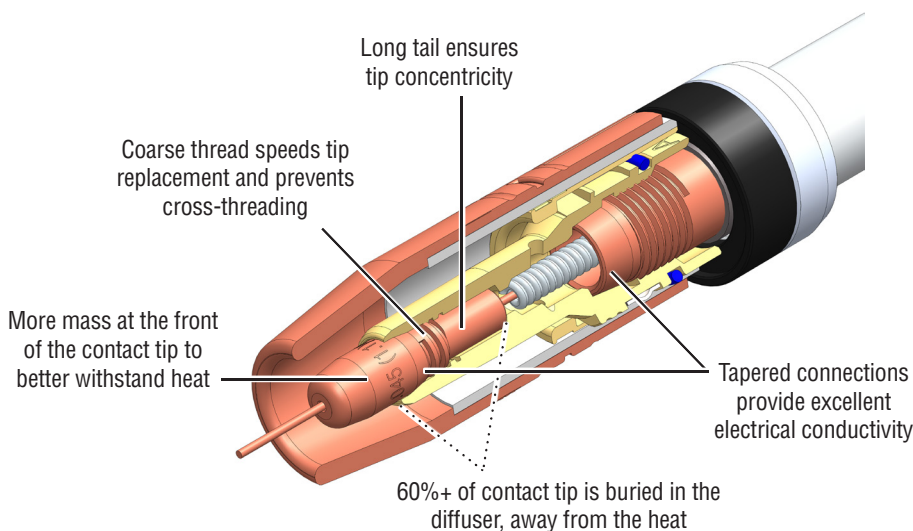
Load and Lock to Reduce Unplanned Downtime

Challenged by a shortage of experienced welding operators? The longer lifespan of AccuLock Contact Tips means fewer human interactions within your welding cells and fewer accidental errors as a result. Plus, with tip cross-threading issues virtually eliminated from your list of failure modes, you'll **spend less time troubleshooting and more time on proactive weld quality and productivity initiatives.**

Load and Lock to Reduce Planned Downtime

Achieve your annual cost reduction and throughput goals by decreasing planned downtime for consumables replacement. AccuLock R Consumables offer an enhanced contact tip-to-diffuser design which **increases tip life** over comparable consumables, reducing your replacement frequency. Upgrading from a copper tip to **AccuLock HDP Contact Tips can increase life by an additional 10x or more** depending on your application. In most cases, your current tip and diffuser can be replaced with no impact to TCP, making this upgrade **low effort, low risk and high payoff.**

AccuLock™



AccuLock™ Contact Tips last longer and are quicker and easier to install



AccuLock™ Contact Tips can be used on robotic and semi-automatic MIG guns

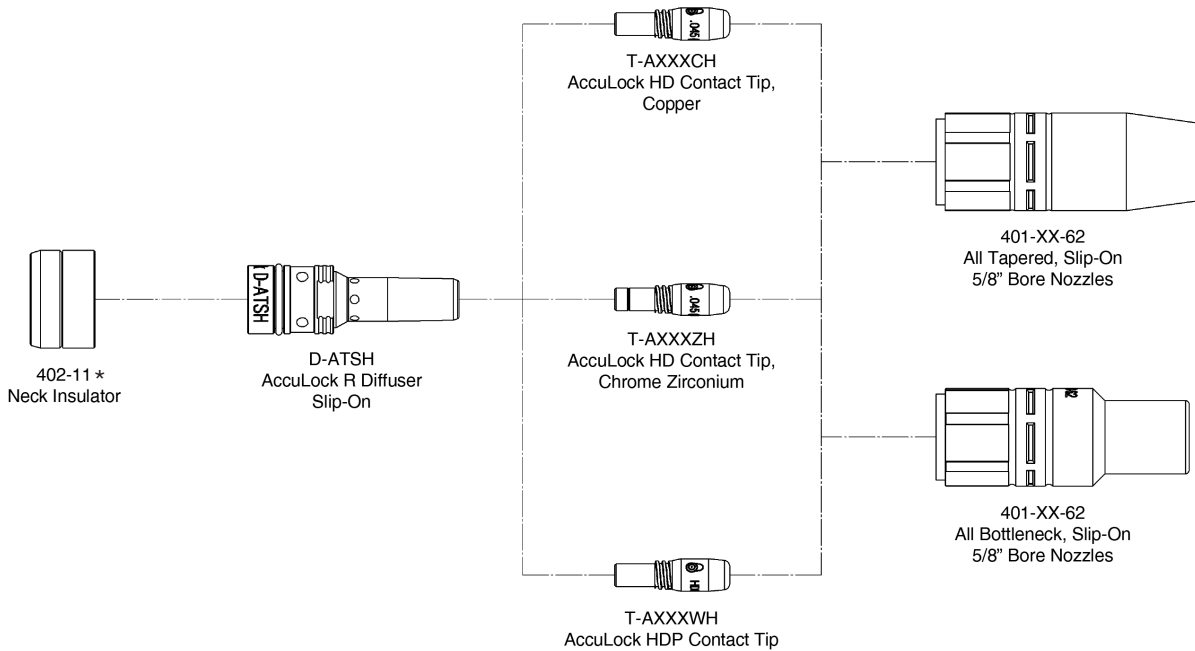


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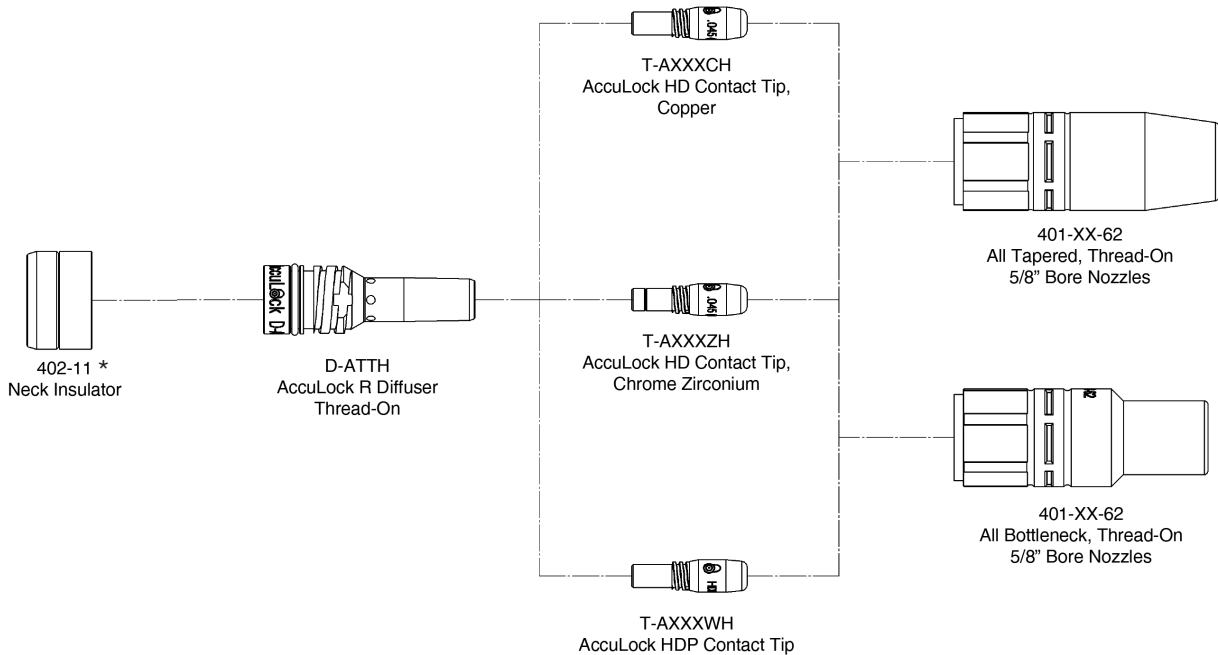
AccuLock™ R Consumable Series

AccuLock R Series (Slip-On)



**For all Tregaskiss® robotic and automatic air-cooled MIG guns*

AccuLock R Series (Thread-On)



**For all Tregaskiss® robotic and automatic air-cooled MIG guns*

AccuLock™ R Gas Diffusers

Heavy Duty (HD) Diffusers

Part Number	Description	Qty	Part Number	Description	Qty
D-ATTH	Thread-On	10	D-ATSH	Slip-On	10

Tregaskiss® Nozzles

Air-Cooled Nozzles (Thread-On)

Part Number	Bore	Tip Position	Type	Material	O.D.	Qty	Reamer Cutter Blade
401-14-62	5/8"	1/8" recess	Tapered	Copper	1.062"	10	RCT-01
401-43-62	5/8"	1/8" recess	Tapered	Copper	0.938"	10	RCT-01
401-18-62	5/8"	1/8" stick out	Tapered	Copper	0.938"	10	RCT-01
401-20-62	5/8"	1/8" stick out	Tapered	Copper	1.062"	10	RCT-01

Air-Cooled Nozzles (Slip-On)

Part Number	Bore	Tip Position	Type	Material	O.D.	Qty	Reamer Cutter Blade
401-6-62	5/8"	1/8" recess	Tapered	Copper	1.062"	10	RCT-01
401-8-62	5/8"	1/8" stick out	Tapered	Copper	0.938"	10	RCT-01
401-4-62	5/8"	1/8" recess	Tapered	Copper	0.938"	10	RCT-01
401-5-62	5/8"	1/4" recess	Tapered	Copper	1.062"	10	RCT-01
401-48-62	5/8"	Flush	Bottleneck	Copper	1.062"	10	RCT-01
401-81-62	5/8"	1/8" stick out	Tapered	Copper	1.062"	10	RCT-01
401-7-62	5/8"	1/4" recess	Tapered	Brass	1.106"	10	RCT-01
401-71-62	5/8"	1/8" recess	Tapered	Brass	1.106"	10	RCT-01
401-87-62	5/8"	1/8" stick out	Tapered	Brass	1.062"	10	RCT-01

AccuLock™ Contact Tips

NOTE: Add "-100" to the end of any AccuLock Contact Tip part number listed for quantities of 100.

Heavy Duty (HD) Copper Contact Tips

Part Number	Description	Qty
T-A030CH	for 0.030" (0.8 mm)	10
T-A035CH	for 0.035" (0.9 mm)	10
T-A039CH	for 0.039" (1.0 mm)	10
T-A045CH	for 0.045" (1.2 mm)	10
T-A052CH	for 0.052" (1.3 mm)	10
T-A055CH	for 0.055" (1.4 mm)	10
T-A062CH	for 1/16" (1.6 mm)	10
T-A072CH	for 0.070" (1.8 mm)	10
T-A078CH	for 5/64" (2.0 mm)	10
T-A094CH	for 3/32" (2.4 mm)	10

Heavy Duty (HD) Chrome Zirconium Contact Tips

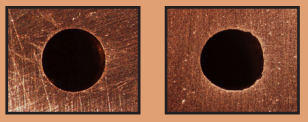
Part Number	Description	Qty
T-A030ZH	for 0.030" (0.8 mm)	10
T-A035ZH	for 0.035" (0.9 mm)	10
T-A039ZH	for 0.039" (1.0 mm)	10
T-A045ZH	for 0.045" (1.2 mm)	10

HDP Contact Tips

Part Number	Description	Qty
T-A035WH	for 0.035" (0.9 mm)	10
T-A039WH	for 0.039" (1.0 mm)	10
T-A045WH	for 0.045" (1.2 mm)	10
T-A052WH	for 0.052" (1.3 mm)	10

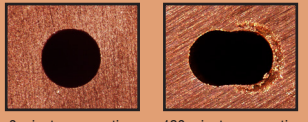
Engineered with a special alloy that has superior resistance to arc erosion and wear, HDP tips last 6-10X longer than copper and chrome zirconium tips. Additional benefits include increased arc stability for improved weld quality and reduced spatter.

HDP Tip



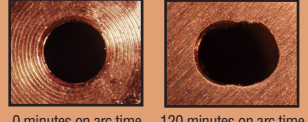
0 minutes on arc time 120 minutes on arc time

C122 Copper Tip



0 minutes on arc time 120 minutes on arc time

Chrome Zirconium Tip



0 minutes on arc time 120 minutes on arc time

Test parameters: 120 minutes arc on time (20 min x 6 cycles), High Speed Pulse waveform, ER70S3 .045" Cu coated solid wire from bulk package (ER480S3 in Canada), 450 ipm wire feed speed, 40-45 ipm travel speed, 90/10 mixed gas, 240-260 average amps, Tregaskiss TOUGH GUN™ CA3 Gun with 22 degree neck

QUICK LOAD® Liners & Retainers

Select your wire size and gun length in the table below to find which QUICK LOAD Liner part number is needed for your application.

Wire Size	Gun Length (ft.)	QUICK LOAD Liner	Description
0.023"	15	415-23-15Q	High Carbon Steel- Round Wound
0.030"	6	415-30-6Q	High Carbon Steel- Round Wound
	15	415-30-15Q	High Carbon Steel- Round Wound
0.035" - 0.045"	6	415-35-6Q	High Carbon Steel- Round Wound
	10	415-35-10Q	High Carbon Steel- Round Wound
	15	415-35-15Q	High Carbon Steel- Round Wound
	25	415-35-25Q	High Carbon Steel- Round Wound
0.045" - 1/16"	6	415-116-6Q	High Carbon Steel- Round Wound
	10	415-116-10Q	High Carbon Steel- Round Wound
	15	415-116-15Q	High Carbon Steel- Round Wound
	25	415-116-25Q	High Carbon Steel- Round Wound
1/16" - 5/64"	6	415-564-6Q	High Carbon Steel- Round Wound
	15	415-564-15Q	High Carbon Steel- Round Wound
	25	415-564-25Q	High Carbon Steel- Round Wound
0.078" - 3/32"	6	415-332-6Q	High Carbon Steel- Flat Wound
	15	415-332-15Q	High Carbon Steel- Flat Wound
	25	415-332-25Q	High Carbon Steel- Flat Wound
For Cored Wire			
0.035" - 0.045"	6	415-35-062Q	Galvanized - D Wound (requires 415-26 retainer)
0.045" - 1/16"	6	415-116-062Q	Galvanized - D Wound (includes 415-31 retainer)
Liner Retainers – Required for Initial Installation (Sold Separately)			
0.030" - 5/64"	N/A	415-26	QUICK LOAD Liner Retainer*
0.030" - 5/64"	N/A	415-37	QUICK LOAD Liner Retainer**
0.045" - 1/16"	N/A	415-31	QUICK LOAD Liner Retainer (required for 415-116-062Q)
0.078" - 3/32"	N/A	415-24	QUICK LOAD Liner Retainer*

*Compatible with Tregaskiss TOUGH GUN Robotic and Automatic MIG Guns and Bernard BTB, TGX and Clean Air Semi-Automatic MIG Guns

**Compatible with most Tweco® MIG Guns

Common Consumable Platform™

Tregaskiss® AccuLock™ R (Robotic) Series Consumables and Bernard® AccuLock S (Semi-Auto) Series Consumables share a common contact tip. If you have a combination of robotic and semi-automatic guns in your facility, you'll benefit from the reduced costs and simplified inventory of a **Common Consumable Platform**.



Subject to Change – The information presented in this spec sheet is accurate to the best of our knowledge at the time of printing. Please visit Tregaskiss.com for the most up-to-date information.

Distributed By:

