

ACCULOCK S CONSUMABLES

WEBSITE QUICKLINK:
BernardWelds.com/AccuLockS

www://

LOAD AND LOCK TO REDUCE TROUBLESHOOTING, DOWNTIME AND REWORK

As you support more inexperienced welders, choosing equipment with fewer points of failure and simplified maintenance can reduce training and shorten your troubleshooting list.

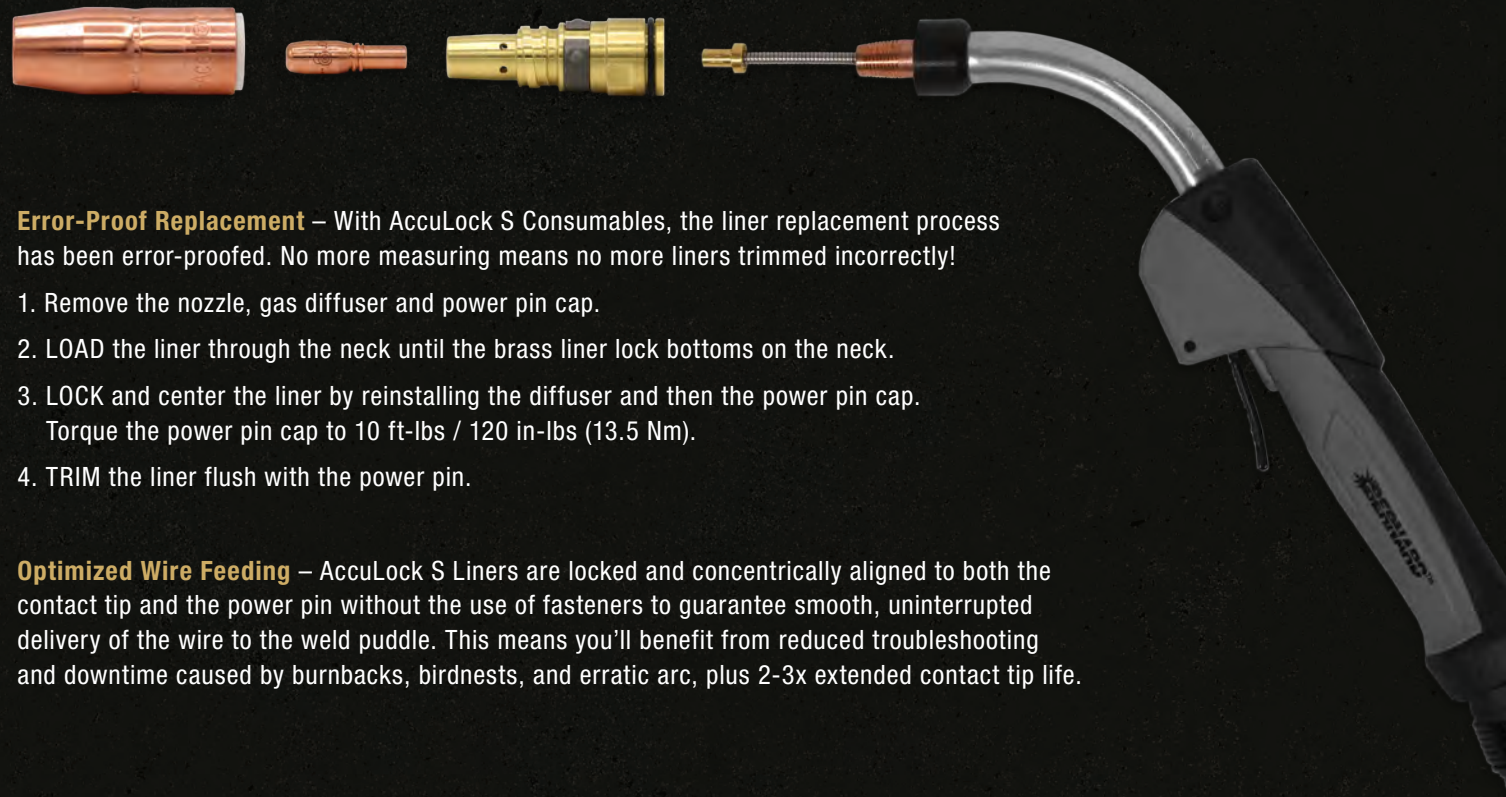
Bernard® AccuLock™ S Consumables are designed to address liner trim length errors and erratic wire feeding. Both are common contributors to troubleshooting, rework and production downtime.

The AccuLock S Consumables system requires the use of all of the following MIG welding consumables and components:

- AccuLock Contact Tips
- AccuLock S Gas Diffusers
- AccuLock S Nozzles
- AccuLock S Liners
- AccuLock S Neck Insulators
- AccuLock S Power Pins and Caps



LOAD AND LOCK LINERS ACCURATELY AND EASILY



Error-Proof Replacement – With AccuLock S Consumables, the liner replacement process has been error-proofed. No more measuring means no more liners trimmed incorrectly!

1. Remove the nozzle, gas diffuser and power pin cap.
2. **LOAD** the liner through the neck until the brass liner lock bottoms on the neck.
3. **LOCK** and center the liner by reinstalling the diffuser and then the power pin cap. Torque the power pin cap to 10 ft-lbs / 120 in-lbs (13.5 Nm).
4. **TRIM** the liner flush with the power pin.

Optimized Wire Feeding – AccuLock S Liners are locked and concentrically aligned to both the contact tip and the power pin without the use of fasteners to guarantee smooth, uninterrupted delivery of the wire to the weld puddle. This means you'll benefit from reduced troubleshooting and downtime caused by burnbacks, birdnests, and erratic arc, plus 2-3x extended contact tip life.

KEY FEATURES

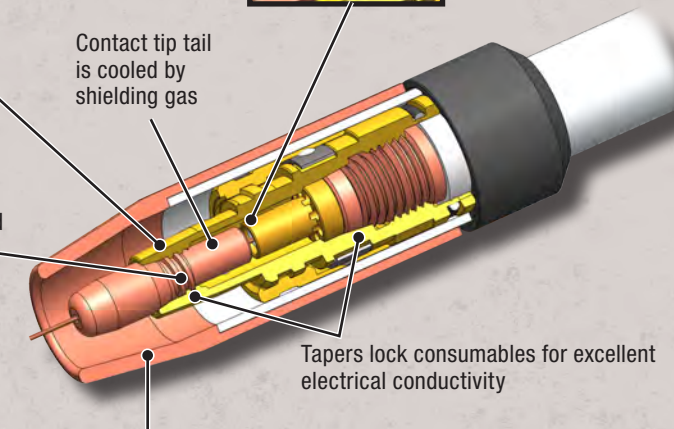
60% of tip is buried in diffuser away from heat

Contact tip tail is cooled by shielding gas

Coarse thread speeds tip replacement



Diffuser locks and aligns liner with contact tip for flawless wire feeding path



Tapers lock consumables for excellent electrical conductivity

Nozzle is held in place by a steel retaining ring on the gas diffuser for reliable tip-to-work distance

COMMON CONSUMABLE PLATFORM™

Bernard AccuLock S Series and Tregaskiss® AccuLock R Series Consumables share a common contact tip. If you have a combination of semi-automatic and robotic MIG guns in your facility, you'll benefit from the simplified inventory of a Common Consumable Platform.



PART NUMBERS

SMALL NOZZLES		LARGE NOZZLES		'T' CONTACT TIPS		'TT' CONTACT TIPS	
NS-A5800C	5/8" Bore, Flush, Copper	N-A3400C	3/4" Bore, Flush, Copper	T-A023CH	0.023" (0.6 mm)	TT-A023CH	0.023" (0.6 mm)
NS-A5818C	5/8" Bore, 1/8" Recess, Copper	N-A3418C	3/4" Bore, 1/8" Recess, Copper	T-A030CH	0.030" (0.8 mm)	TT-A030CH	0.030" (0.8 mm)
NS-A5800B	5/8" Bore, Flush, Brass	N-A3414C	3/4" Bore, 1/4" Recess, Copper	T-A035CH	0.035" (0.9 mm)	TT-A035CH	0.035" (0.9 mm)
NS-A5818B	5/8" Bore, 1/8" Recess, Brass	N-A3418B	3/4" Bore, 1/8" Recess, Brass	T-A039CH	0.039" (1.0 mm)	TT-A039CH	0.039" (1.0 mm)
NS-A1218C	1/2" Bore, 1/8" Recess, Copper	N-A3414B	3/4" Bore, 1/4" Recess, Brass	T-A045CH	0.045" (1.2 mm)	TT-A045CH	0.045" (1.2 mm)
NS-A1200B	1/2" Bore, Flush, Brass	N-A5800C	5/8" Bore, Flush, Copper	T-A052CH	0.052" (1.4 mm)	TT-A052CH	0.052" (1.4 mm)
NS-A1218B	1/2" Bore, 1/8" Recess, Brass	N-A5818C	5/8" Bore, 1/8" Recess, Copper	T-A062CH	1/16" (1.6 mm)	TT-A062CH	1/16" (1.6 mm)
NST-A3800B	3/8" Bore, Flush, Brass	N-A5814C	5/8" Bore, 1/4" Recess, Copper	T-A072CH	0.072" (1.8 mm)		
NST-A3818B	3/8" Bore, 1/8" Recess, Brass	N-A5818B	5/8" Bore, 1/8" Recess, Brass	T-A078CH	5/64" (2.0 mm)		
NST-A38XTB	3/8" Bore, 1/8" Extension, Brass	N-A5814B	5/8" Bore, 1/4" Recess, Brass	T-A094CH	3/32" (2.4 mm)		
NST-A1218B	1/2" Bore, 1/8" Recess, Brass	NT-A3800C	3/8" Bore, Flush, Copper	T-A109CH	7/64" (2.8 mm)		
				T-A125CH	1/8" (3.2 mm)		

DIFFUSERS

Small	DS-A1	Thread-On	Large	D-A1	Thread-On
Small	DS-A2	Slip-On	Large	D-A2	Slip-On

LINERS		Cable Length				POWER PINS & POWER PIN CAPS	
Wire Size	Liner Color	10' (3.05 m)	15' (4.57 m)	20' (6.10 m)	25' (7.62 m)	Power Pin	Power Pin Cap
0.023" - 0.030"	Yellow	LA1A-10	LA1A-15	LA1A-20	LA1A-25	2200206	2200170 (Black*)
0.030" - 0.035"	Green	LA2A-10	LA2A-15	LA2A-20	LA2A-25	2200206	2200171 (Blue*)
0.035" - 0.045"	White	LAD3A-10	LAD3A-15	LAD3A-20	LAD3A-25	2200206	2200171 (Blue*)
0.045" - 1/16"	Red	LAD4A-10	LAD4A-15	LAD4A-20	LAD4A-25	2200206	2200203 (Orange*)
5/64" - 3/32"	Blue	LA6A-10	LA6A-15	LA6A-20	LA6A-25	2200206	2200203 (Orange*)

*Denotes internal color of the cap