

# CLEAN AIR E™

FUME EXTRACTION MIG GUN

MIG (GMAW)  
AND FLUX CORED (FCAW) WELDING



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<b>APPLICATIONS</b>	• Heavy Equipment • General Manufacturing & Fabrication • Commercial Truck & Trailer
<b>PROCESSES</b>	• MIG (GMAW) • Flux Cored (FCAW)
<b>RATED OUTPUT</b>	• 300A • 400A
<b>DUTY CYCLE</b>	• 60% with Mixed Gases
<b>CABLE LENGTH</b>	• 15' • 20' • 25'
<b>WIRE SIZE</b>	• 0.030" - 1/16" (0.8 mm - 1.6 mm)

Bernard® Clean Air E™ fume extraction MIG guns capture up to 95% of welding fumes at the source, helping users maintain compliance and a cleaner welding environment. Built with a robust, ergonomic design, these guns support extended use while minimizing operator fatigue and reducing downtime.

Clean Air E MIG guns utilize AccuLock™ consumables for reliable wire feeding and fewer consumable changes—ultimately driving down maintenance costs. The result is a versatile fume extraction solution that meets the demands of heavy industrial applications, delivers consistent weld quality, and promotes higher productivity without compromising on comfort or performance.

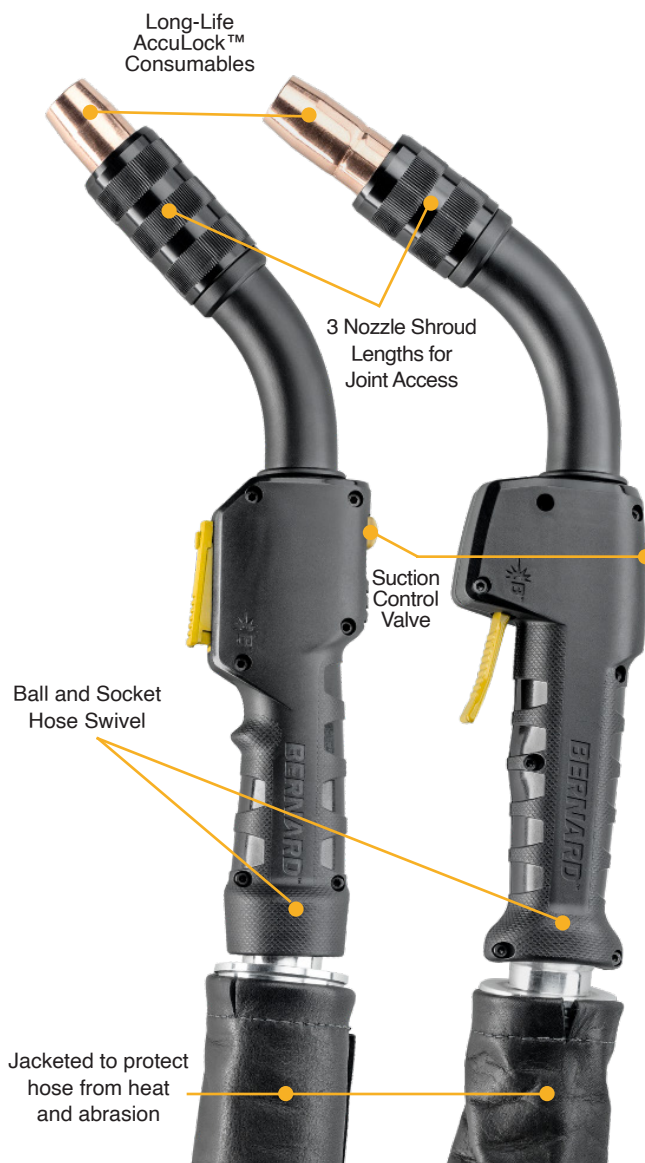
- Comparable weight and handle size to standard air-cooled MIG guns
- Compatible with vacuum systems from most major manufacturers
- Removes fumes directly at the source for cleaner air and reduced visible fume
- Built for long-lasting performance in demanding environments
- Ease of maintenance



**CONFIGURE YOUR  
MIG GUN ONLINE**  
BUILD YOUR FUME EXTRACTION GUN  
TO MATCH YOUR APPLICATION



**IMPROVED FLEXIBILITY  
REDUCED WRIST AND HAND  
FATIGUE WITH HOSE SWIVEL**



**BERNARD™**

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Beecher, Illinois 60401 USA

1-855-MIGWELD (644-9353)  
(US & Canada Only)

For more information,  
visit us at [bernardtregaskiss.com](http://bernardtregaskiss.com)

# CONSUMABLES

[CONFIGURABLE OPTION ONLINE]

## ACCULOCK™ S CONSUMABLE SERIES

### Contact Tips

<b>T-A030CH</b>	0.030" (0.8 mm)
<b>T-A035CH</b>	0.035" (0.9 mm)
<b>T-A045CH</b>	0.045" (1.2 mm)
<b>T-A052CH</b>	0.052" (1.4 mm)
<b>T-A062CH</b>	1/16" (1.6 mm)
<b>T-A072CH</b>	0.072" (1.8 mm)
<b>T-A078CH</b>	5/64" (2.0 mm)

### Nozzles — Large

<b>N-A3400C</b>	3/4" bore, flush, copper
<b>N-A3418C</b>	3/4" bore, 1/8" recess, copper
<b>N-A3414C</b>	3/4" bore, 1/4" recess, copper
<b>N-A3418B</b>	3/4" bore, 1/8" recess, brass
<b>N-A3414B</b>	3/4" bore, 1/4" recess, brass

### Nozzles — Large

<b>N-A5800C</b>	5/8" bore, flush, copper
<b>N-A5818C</b>	5/8" bore, 1/8" recess, copper
<b>N-A5814C</b>	5/8" bore, 1/4" recess, copper
<b>N-A5818B</b>	5/8" bore, 1/8" recess, brass
<b>N-A5814B</b>	5/8" bore, 1/4" recess, brass

### Nozzles — Small

<b>NS-A5800C</b>	5/8" bore, flush, copper
<b>NS-A5818C</b>	5/8" bore, 1/8" recess, copper
<b>NS-A5800B</b>	5/8" bore, flush, brass
<b>NS-A5818B</b>	5/8" bore, 1/8" recess, brass
<b>NS-A1200B</b>	1/2" bore, flush, brass
<b>NS-A1218B</b>	1/2" bore, 1/8" recess, brass

### Nozzles — Small

<b>NS-A1218C</b>	1/2" bore, 1/8" recess, copper
<b>NST-A3800B</b>	3/8" bore, flush, brass
<b>NST-A3818B</b>	3/8" bore, 1/8" recess, brass
<b>NST-A38XTB</b>	3/8" bore, 1/8" ext., brass
<b>NST-A1218B</b>	1/2" bore, 1/8" recess, brass

### Diffusers For use with Front Load Liners

<b>D-A1</b>	Large, brass, thread-on
<b>D-A2</b>	Large, brass, slip-on

<b>DS-A1</b>	Small, brass, thread-on
<b>DS-A2</b>	Small, brass, slip-on

### Diffusers For use with Rear Load Liners

<b>D-A1-C</b>	Large, brass, thread-on
<b>D-A2-C</b>	Large, brass, slip-on

<b>DS-A1-C</b>	Small, brass, thread-on
<b>DS-A2-C</b>	Small, brass, slip-on

# LINERS

[CONFIGURABLE OPTION ONLINE]

## FRONT LOAD LINERS

SEE ACCULOCK™ S CONSUMABLES SPEC SHEET ([SP-ALS](#)) FOR PART NUMBERS AND MORE INFORMATION AND ADDITIONAL OPTIONS THAT CAN BE ORDERED SEPERATELY.



## REAR LOAD LINERS

### 15' (4.57 m) Gun Lengths

<b>L2A-15</b>	for 0.030" - 0.035" wire	<b>415-116-152</b>	for 0.045" - 1/16" wire
<b>415-35-152</b>	for 0.035" - 0.045" wire	<b>L6A-15</b>	for 5/64" wire

### 25' (7.62 m) Gun Lengths

<b>L2A-25</b>	for 0.030" - 0.035" wire	<b>415-116-252</b>	for 0.045" - 1/16" wire
<b>415-35-252</b>	for 0.035" - 0.045" wire	<b>L6A-25</b>	for 5/64" wire



# FRONT END PARTS

[CONFIGURABLE OPTION ONLINE]

## NECKS



**EN-345** 45° Neck

**EN-360**

60° Neck

## NECK TUBES



**ENT-45** 45° Neck Tube

**ENT-60**

60° Neck Tube

## EXTRACTION SHROUDS

**ES-L1S** Extraction shroud, short length, small  
**ES-L2S** Extraction shroud, medium length, small  
**ES-L3S** Extraction shroud, long length, small

**ES-L1** Extraction shroud, short length, large  
**ES-L2** Extraction shroud, medium length, large  
**ES-L3** Extraction shroud, long length, large



*Shrouds with Straight Knurl*



*Shrouds with Diamond Knurl*

# POWER PINS

[CONFIGURABLE OPTION ONLINE]

POWER PINS SHOWN ARE FOR USE WITH REAR LOAD LINERS ONLY.

## MILLER®

<b>2520111</b>	Strain Relief	<b>214-116</b>	Power Pin Tip for 0.023"-1/16"
<b>2200137</b>	Power Pin (Includes O-Rings)	<b>214-332</b>	Power Pin Tip for 5/64"-3/32
<b>414-400-20</b>	Power Pin Insulator	<b>GN2021</b>	Trigger Control Plug

## EURO™

**2520069** Strain Relief  
**5060E** Euro Block Assembly  
**4816** Adapter Nut

## LINCOLN®

<b>2520111</b>	Strain Relief	<b>GLM1</b>	Gas Line Assy.
<b>214-2-1</b>	Power Pin	<b>SCL1N</b>	Trigger Control Plug
<b>414-400-14</b>	Power Pin Insulator		

## TWECO® #4

<b>2520111</b>	Strain Relief	<b>GN2021</b>	Trigger Cable Adaptor, Miller®	<b>SCX1N</b>	Trigger Control Plug, NAS Plug
<b>214</b>	Power Pin (Includes O-Rings)	<b>SCT1N</b>	Trigger Control Lead, Standard		
<b>414-400-20</b>	Power Pin Insulator	<b>SCL1N</b>	Trigger Control Lead, Lincoln®		

SEE ACCULOCK™ S CONSUMABLES SPEC SHEET (SP-ALS) FOR POWER PIN PART NUMBERS AND INFORMATION WHEN USING FRONT LOAD LINERS.

# ACCESSORIES

## JACKETS

<b>EJK-6</b>	6-foot jacket <i>(Installed on Build)</i>	<b>EJK-20</b>	20-foot Velcro jacket
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## Y CONNECTOR KIT

<b>EYK-3</b>	300 AMP	<b>EYK-4</b>	400 AMP
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## HOSE KIT

<b>EHK-15</b>	15-foot hose kit	<b>EHK-20</b>	20-foot hose kit	<b>EHK-25</b>	25-foot hose kit
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## HANDLE KIT

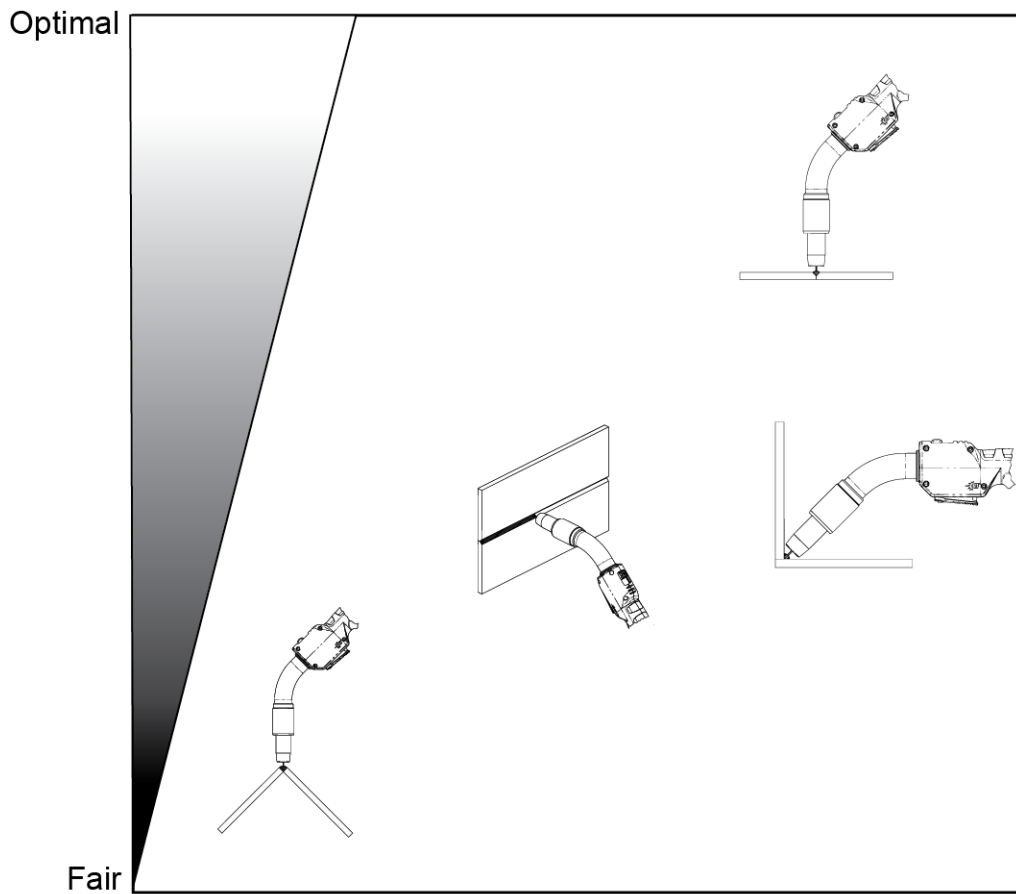
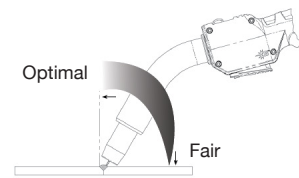
HANDLE KITS INCLUDE HARDWARE, ACTIVATION SWITCH AND HANDLE PARTS.

<b>EHK-L</b>	Lever handle	<b>EHK-B</b>	Button handle
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# FUME CAPTURE OPTIMIZATION

Follow the diagram below for optimizing the efficiency of fume capture from your fume extraction MIG gun. The joints and positions of welds will affect the efficiency of fume capture.

Optimal capture efficiency is achieved when fume gun is positioned directly above the weld puddle.



# ORDERING INFORMATION

Amperage	Cable Length	Handle & Trigger	Neck	Consumables	Wire Size	Power Pin	Liner Type
E40	15	A	K	5	E	M	C
E30 300 amp Max. wire size 0.045"	15 15' (4.57 m)	A Lever Switch Trigger on Bottom	J Med. 45°	4 AccuLock™ S, Small, Rear Load†	B 0.030" (0.8 mm)	E Euro^	A Front Load Liner†††
E40 400 amp Max. wire size 1/16"	20 20' (6.16 m)	B Lever Switch Trigger on Top	K Med. 60°	5 AccuLock™ S, Large, Rear Load†	C 0.035" (0.9 mm)	L Lincoln®	C Rear Load Liner†
	25 25 (7.63 m)	F Button Switch Standard Trigger		6 AccuLock™ S, Small, Front Load††††	D 0.039" (1.0 mm)	M Miller®	
				7 AccuLock™ S, Large, Front Load††††	E 0.045" (1.2 mm)	T Tweco® #4 (std. lead)	
					H 0.052" (1.4 mm)		
					I 1/16" (01.6 mm)		
					R 3/64" (1.19 mm)		

BRAND AND PRODUCT NAMES SHOWN ABOVE ARE TRADEMARKS OF THEIR RESPECTIVE OWNERS.  
^ AVAILABLE WITH REAR LOAD LINER ONLY  
††† CONSUMABLES COMPATIBLE WITH FRONT LOAD LINERS  
† CONSUMABLE COMPATIBLE WITH REAR LOAD LINERS

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