



The Bernard[®] Difference.

We stand
behind our MIG guns
with a "best in market",
no hassle, one-year
warranty

Ph: 1300 300 884

welding.com.au

Bernard® is Both **Rock Solid**

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A Complete Offering

Bernard® offers premier MIG guns and consumables for the most demanding of industrial welding applications. From our semi-automatic, air-cooled Q-Guns™ and Centerfire™ consumables to our robotic and Clean Air Guns™, each product offers the durability, precision and quality that our customers have come to expect from Bernard®



Semi-Automatic Air- and Water-Cooled MIG Guns



**Robotic/Automatic
Air-and Water-Cooled
MIG Guns**



Clean Air MIG Guns™



**Centerfire™ MIG Gun
Consumables.**



Did You Know...

...Bernard® has designed and manufactured superior quality MIG guns and consumables for more than 60 years?

1940s

Bernard founded in Chicago, Illinois
Shortstub Electrode Holder patented

1950s

Flux cored arc welding (FCAW) process introduced

1960s

Model 600 Water Cooler/Model C MIG gun introduced

1970s

Elliptical contact tip patented

1980s

E-Z Feed MIG guns introduced

and Flexible.

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The Bernard® Difference

Bernard recognises that every welding application is different for every welder. We stand behind our MIG guns with a “best in market”, no hassle one-year warranty.

As the preferred MIG gun and consumable manufacturer of both Miller and WIA, Bernard is proud to provide durable and innovative products for the Australian range of Miller and Weldmatic welding machines. Our products are versatile and dependable and built with the goal in mind of improving your MIG welding productivity regardless of the equipment you use.

Our dedicated sales team provide the technical support you need to advance your MIG welding performance – from selecting the right gun to trouble shooting problems.

Made with Pride and
without Compromise
IN THE USA



1990s

Q-Gun™ patented
Jump Liners
patented

2000 – Present

Bernard purchased by
Illinois Tool Works Inc
Centerfire™
consumables patented



BERNARD®

Take a Close Look and See the

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"The rotatable neck of the Bernard® [gun] makes welding out-of-position much easier."

Martin Kellogg
Equipment Repair Technician
Tri-City Mechanical
Chandler, Arizona



Handle

- Multiple lightweight and comfortable options
- Ventilated to reduce heat and increase operator comfort

Trigger

- Numerous easy-to-change trigger options
- Designed and built to last more than 1 million cycles

Liner

- Proprietary in-house coiling process improves wire feed performance
- 100 percent tested to ensure the smoothest wire feed in the industry



Stay-Tite™ Technology

Long-lasting power cable compression fittings and necks with large tapered gun connections combine to form the foundation of Bernard® Stay-Tite™ technology. This technology ensures optimal conductivity to increase weld consistency and lessen heat output while improving product durability.



Neck

- Fixed, rotatable and multiple length options improve operator comfort
- Rotatable necks changeover without tools

Jump Liner

- Replaces only the most commonly worn liner area
- Minimizes inventory and downtime for changeover
- Reduces amount of time a gun goes offline



Jump Liner Installation

Trim damaged liner where it enters neck, slip jump liner over existing liner and tighten neck into place.



Did You Know...

...approximately 90 percent of wire feeding problems are caused by improper liner installation? Bernard® Jump Liners install easily, accurately and minimize changeover downtime by replacing ONLY the most commonly worn liner area.

Difference.

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All Guns are not Created Equal

Exceptional welding performance depends on an exceptional MIG gun.

To achieve quality welds, increase productivity and lower costs, a MIG gun should be durable, easy-to-use and customized to your specific application. The right MIG gun also means less downtime for maintenance, component changeovers or operator fatigue, and more consistent welds for better productivity.

Bernard® believes in building our Q-Guns™ with these long-term benefits in mind. Our customizable MIG guns put you in control: you choose the options you need and we'll build a gun to last.

Back End

- Rigid strain relief increases durability
- Easily changeable direct plugs and trigger leads ease maintenance
- Interchangeable direct plugs connect to wire feeders and machines from major manufacturers

Power Cable

- Long-lasting Stay-Tite™ fittings maintain conductivity for better weld quality
- Internal gas hose resists kinking, improves gas flow and feedability



BERNARD®

The Bernard® Centerfire™ System Defines

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PUT
Centerfire™
TO THE TEST
Details of the trial offer
on back page

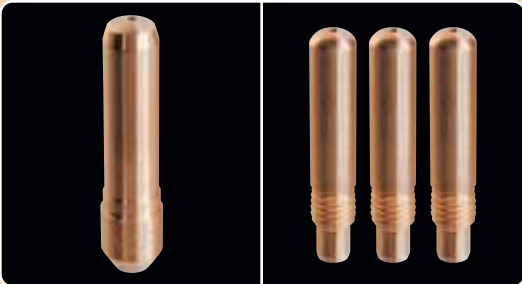
Centerfire™ — A Clear Cut Difference

All consumables are not created equal. From materials to cost and design quality, each brand on the market varies and so does their performance. In fact, comparing consumable quality and costs to the amount of labor for changeover and rework often reveals surprising results — less expensive consumables don't necessarily add up to cost savings.

That's why it's important to choose longer lasting consumables. They can make the difference between repeated consumable replacement and rework, or more arc time and a better bottom line. Plus, the longer the consumables last, the less need for reordering and inventorying.

Bernard® developed its Centerfire™ consumables with these cost considerations in mind. Our contact tips, nozzles and diffusers are easy-to-use and high performing — they provide better arc starts, less spatter and more consistent welds — and also last up to three times longer than competitive brands.

Heavy Duty



Centerfire™ tips last an average of 3 times longer than other tips on both heavy-duty and light-commercial jobs.

(All tips shown are standard .035")

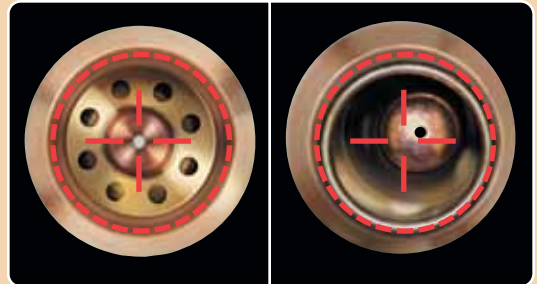
Competitive tips are not designed for heavy-duty use and can wear more quickly.

Easy Replacement



Centerfire™ tips are non-threaded and stay in place by hand tightening the nozzle for quicker changeover.

Centered Nozzle and Tip



Centerfire™ tips lock in place and remain centered even after hard use for better weld consistency.

Competitive tips can move easily, causing uneven gas flow, poor arc and reduced weld quality.



Did You Know...

...according to a recent survey, approximately 92 percent of companies who have tried Centerfire™ consumables plan to convert their remaining guns? With Bernard®'s flexible conversion parts, you can make the transition to Centerfire™ consumables in a single easy step.



the Standard.

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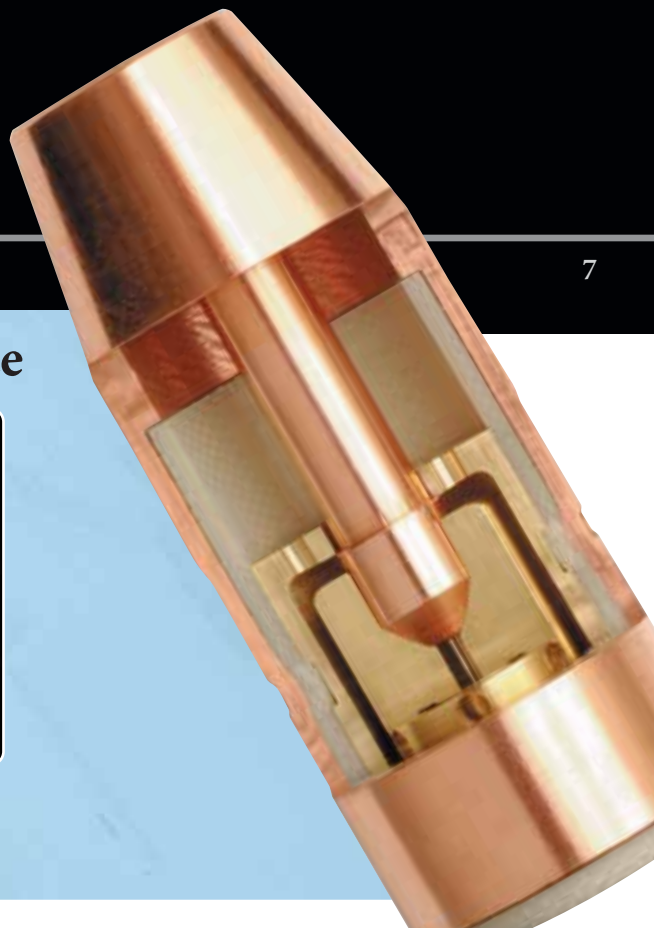
It All Adds Up to Great Performance



Centerfire™ nozzles work with the diffuser to smooth and concentrate shielding gas flow for less oxidation and contamination.



Competitive consumables provide gas coverage that is more turbulent and less consistent.



Rotatable Contact Tip



Centerfire™ tips can be rotated 360° to create new wear surfaces and extend tip life.



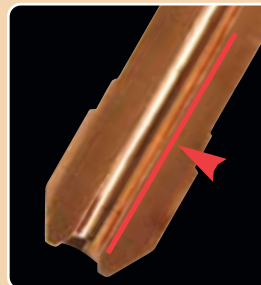
Competitive tips are threaded to a fixed position, causing them to wear in one area, reducing tip life.

Recess Options

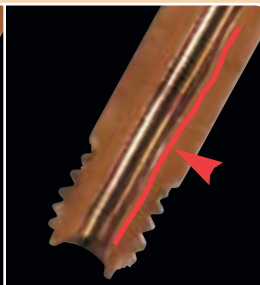


Centerfire™ nozzles are available in flush, 1/8" and 1/4" recess, and 1/8" extension options for consistent welds.

Quality Machining



Centerfire™ tips are machined to the highest quality for the smoothest performance.



Competitors' machining can be poor, causing excessive wear.

Conversion Kits

You can experience the immediate benefits of Centerfire™ technology even if you don't currently use a Bernard® gun. Our conversion parts allow you to convert most competitive guns to Centerfire™ contact tips, nozzles and diffusers — allowing standardization of one contact tip and nozzle for all gun brands to minimize inventory management and costs.

Visit welding.com.au to learn how to gain better performance and productivity and lower inventory costs with Centerfire™ consumables.



Unique Situations, Unique

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Are You Using Too Much Gun?

Myth: Higher amperage MIG guns always provide higher performance.

Fact: Lower amperage MIG guns can often handle the same demanding applications, but cost less and are lighter and more flexible.

Bernard's Q300 (300-amp) MIG gun is 20% lighter and more flexible than similar 400-amp guns, but has higher ratings with mixed gases to improve duty cycle and performance without the added bulk. Our Q300 gun can also be customized with shorter power cables to help minimize wire-feeding problems and reduce power cable weight — factors that can help you reduce downtime related to rework and operator fatigue and improve your bottom line.

Minimize your gun and maximize your productivity with:

- Easier manoeuvrability
- Reduced operator fatigue
- Improved wire feed

The Right Tool for the Job

Slim Fit Nozzles

Bernard's slim fit Centerfire™ nozzles minimize costs for rework by allowing you to weld expertly in narrow spaces — you get the best weld the first time around.



Flex Necks

Bernard's flex neck Q-Guns™ can be easily adjusted to fit any angle and save time and money for changing out and inventorying expensive specialty guns.



Rotatable Necks

Bernard's Q-Gun™ with rotatable neck allows you to weld out-of-position more comfortably without changing your gun handle or sacrificing quality.



80° Necks

To improve operator comfort and minimize downtime, Bernard® offers 80° Q-Gun™ necks for greater flexibility and better weld puddle visibility.



Did You Know...

...approximately 85 percent of hand held welding costs are labor related? Bernard® Q-Guns™ can be customized for your exact application to ensure maximum productivity and lower costs.

Solutions.

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Real Life, Real Solutions

Travis Body & Trailer

Challenge

Travis Body & Trailer, Inc. of Houston, Texas welds up to thirteen 1-lb. spools of aluminum wire in one shift and maintains large levels of consumable inventory to support its high volume trailer production.



Solution

Travis Body & Trailer converted its existing MIG guns to Bernard®'s Centerfire™ consumables.

"The biggest savings for us is the fact that the Centerfire™ tips and nozzles are lasting longer."

Jason Backs

Vice President

Travis Body & Trailer, Houston, Texas

Result

The company has streamlined its inventory from approximately 500 competitive contact tips per week to 100 Centerfire™ contact tips a month, resulting in less downtime for changeover and less costs for inventory management.



Walker Stainless Equipment

Challenge

Welders at Walker Stainless Equipment of New Lisbon, Wis. routinely changed out contact tips due to burn backs, causing the company to accrue excessive downtime.

Solution

Bernard® conversion kits allowed Walker Stainless to adapt all of its gun brands to Centerfire™ tips, nozzles and diffusers.

Result

Walker Stainless extended tip life 600 percent by welding an average of 7,500 inches with Centerfire™ contact tips compared to 1,200 inches with its previous brands. The company has minimized downtime by experiencing less burn backs and quicker changeover after Centerfire™ contact tips wear out.

"We adapted Centerfire™ consumables to all our MIG guns, so we only need to stock one set of consumables... the cost savings on inventory is pretty obvious."

Mike Bohnert

Maintenance Supervisor

Walker Stainless Equipment, New Lisbon, Wis.

BERNARD®

Time to Choose

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Q-Gun™ Part Number

The part number shown here, **Q4015AE8EM**, is an example of a typical configuration. It consists of a 400-amp Q-Gun™ with a 15' cable, curved handle, standard trigger, rotatable medium 45° neck, Centerfire™ 0.045" contact tip and a Miller-style direct plug. For more extensive configuration options go to Q-Gun configurator at Bernardwelds.com.



Q40

15

A

Amperage

BEQ15	150 amp
BEQ20	200 amp
BEQ30	300 amp
BEQ40	400 amp
BEQ50	500 amp
BEQ60	600 amp

Cable Length

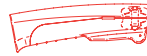
08	8 ft (2.44 m)
10	10 ft (3.05 m)
12	12 ft (3.66 m)
15	15 ft (4.57 m)
20	20 ft (6.16 m)
25	25 ft (7.63 m)



Amperage	Diffuser	Nozzle
150 amp	BEDS-1	BENS-1200B
200 amp	BEDS-1	BENS-1218B
300 amp	BEDS-1	BENS-5818C
400 amp	BED-1	BEN-5818C
500 amp	BED-1	BEN-5814C
600 amp	BED-1	BEN-3414C

Bernard™ Q-Guns are fitted at the factory with the diffusers and nozzles in the table above.

Handle and Trigger



**150 Amp
Curved Handle
Standard Cable**

A Standard Trigger



**200, 300 Amp
Curved Handle
Standard Cable**

A Standard Trigger
B Locking Trigger
C Dual Pull Trigger



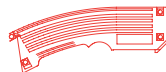
**400 Amp
Curved Handle
Standard Cable**

A Standard Trigger
B Locking Trigger
C Dual Pull Trigger
D Dual Schedule Switch
E Dual Schedule Switch with Lock



**150-400 Amp
Curved Handle**

T Standard Trigger
U Locking Trigger

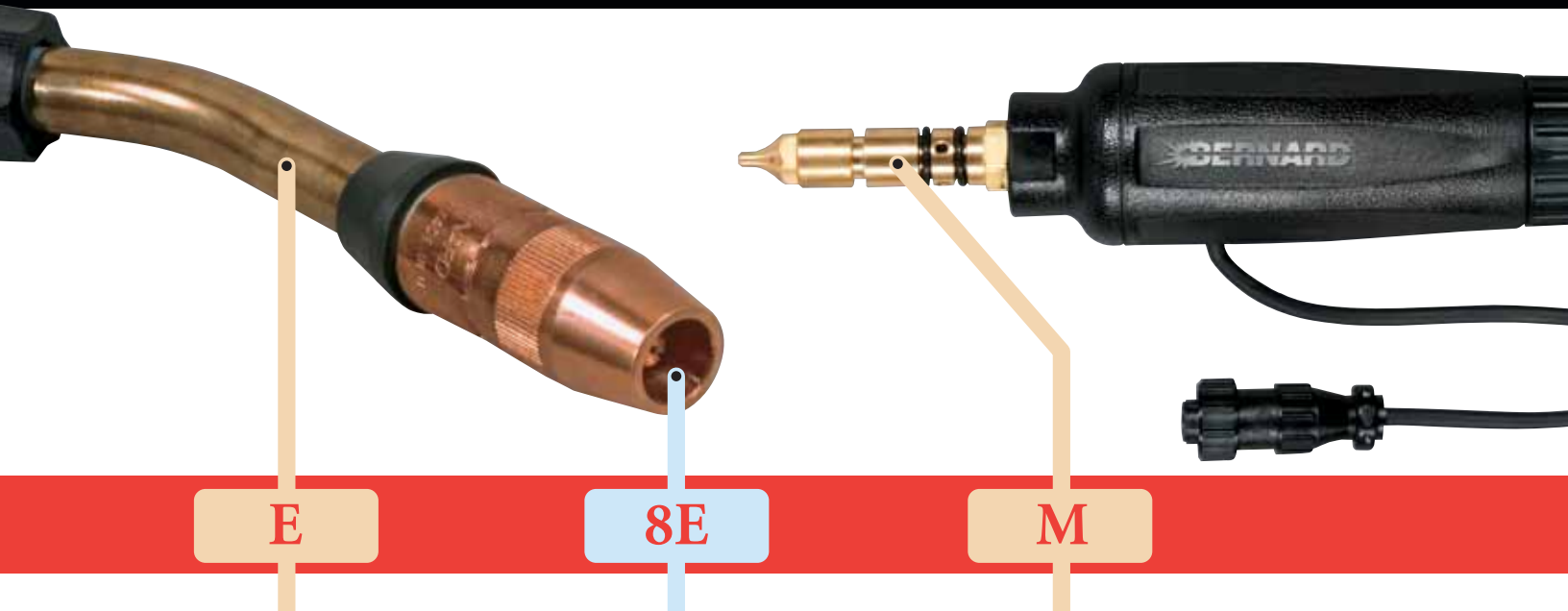


**400-600 Amp
Curved Handle**

G Standard Trigger
H Locking Trigger
I Dual Pull Trigger
K Dual Schedule Switch
L Dual Schedule Switch with Lock

Your Weapon.

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Neck		
A	Rotatable, Short 30°	QT2-30
B	Rotatable, Short 45°	QT2-45
C	Rotatable, Short 60°	QT2-60
J	Rotatable, Short 80°	QT2-80
D	Rotatable, Medium 30°	QT3-30
E	Rotatable, Medium 45°	QT3-45
F	Rotatable, Medium 60°	QT3-60
K	Rotatable, Medium 80°	QT3-80
G	Rotatable, Long 30°	QT5-30
H	Rotatable, Long 45°	QT5-45
I	Rotatable, Long 60°	QT5-60

Centerfire™ Contact Tip		
8A	0.023" (0.6mm)	BET-023
8B	0.030" (0.8mm)	BET-030
8C	0.035" (0.9mm)	BET-035
8D	0.039" (1.0mm)	BET-039
8E	0.045" (1.2mm)	BET-045
8H	0.052" (1.4mm)	BET-052
8I	1/16" (1.6mm)	BET-062
8K	5/64" (2.0mm)	BET-078
8L	3/32" (2.4mm)	BET-094
8M	7/64" (2.8mm)	BET-109
8N	1/8" (3.2mm)	BET-125
8Q	0.035" (0.9mm) Alum	BET-035
8R	3/64" (1.19mm) Alum	BET-045
8S	1/16" (1.6mm) Alum	BET-062

Direct Plug	
B	Bernard®
E	Euro®
H	Hobart®
L	Lincoln®
M	Miller®
S	Tweco® 4 (Lincoln lead)
T	Tweco® 4 (std. lead)
W	Tweco® 5 (std. lead)

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"When a production line is down, I can count on [Bernard®] to get the gun out as soon as possible. I can keep my people, my company running because I've got Bernard® backing me up."

Tom Thorburn
Sales Manager
Mittler Supply, Inc.
South Bend, Indiana



welding.com.au

Even More Online

Check out welding.com.au for more information on Bernard and Centerfire™ products, plus locate a WIA Bernard stockist in your area.



Put Centerfire™ to the Test **FREE TEST OFFER**



Put Centerfire™ to work, at no cost to you, and experience the benefits for yourself. Increased productivity and reduced welding costs will be the reward.

To request your **FREE** Centerfire™ Starter Kit (valued at \$50), suited to the machine you are using, simply call **1300 300 884**.



Welding Industries of Australia
Ph: 1300 300 884
welding.com.au

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