

BERNARD AIR-COOLED MIG GUNS

BEST OF THE BEST (BTB) PLATFORM

WEBSITE QUICKLINKS:
 BernardWelds.com/BTB
 BernardWelds.com/ConfigureMyGun



CHOOSE YOUR WEAPON — BEST OF THE BEST PLATFORM GUN CONFIGURATOR

We recognize that welding applications differ for every welder and that sometimes only a customizable, industrial-duty MIG gun will get the job done right. That's why we allow you to configure a custom MIG gun that fits your specific application.

NOW WITH EVEN MORE OPTIONS!

1 AMPERAGE

| | |
|------------|--|
| Q20 | 200 amp max. wire size 1/16" (1.6 mm) |
| Q30 | 300 amp max. wire size 5/64" (2.0 mm) |
| Q40 | 400 amp max. wire size 5/64" (2.0 mm) |
| Q50 | 500 amp max. wire size 3/32" (2.4 mm) |
| Q60 | 600 amp max. wire size 1/8" (3.2 mm) |
| S30 | 300 amp max. wire size 5/64" (2.0 mm) |
| S40 | 400 amp max. wire size 5/64" (2.0 mm) |
| S50 | 500 amp max. wire size 3/32" (2.4 mm) |
| S60 | 600 amp max. wire size 1/8" (3.2 mm) |

2 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 (6.10 m) |
| 25 | 25 ft (7.62 m) |

4 NECK

| | | | | | |
|----------|-------------------|-----|----------|----------------|-----|
| A | Rotatable, Short | 30° | O | Fixed, Short | 45° |
| B | Rotatable, Short | 45° | P | Fixed, Short | 60° |
| C | Rotatable, Short | 60° | W | Fixed, Short | 80° |
| J | Rotatable, Short | 80° | Q | Fixed, Medium | 30° |
| D | Rotatable, Medium | 30° | R | Fixed, Medium | 45° |
| E | Rotatable, Medium | 45° | S | Fixed, Medium | 60° |
| F | Rotatable, Medium | 60° | X | Fixed, Medium | 80° |
| K | Rotatable, Medium | 80° | T | Fixed, Long | 30° |
| G | Rotatable, Long | 30° | U | Fixed, Long | 45° |
| H | Rotatable, Long | 45° | V | Fixed, Long | 60° |
| I | Rotatable, Long | 60° | Z | Fixed, Longest | 45° |
| N | Fixed, Short | 30° | Y | Fixed, Longest | 60° |

See page 7 for part numbering and compatibility.

5 CONTACT TIP

| | |
|----------|--|
| 8 | Centerfire™ 5/16" O.D. (7.94 mm) |
| 5 | Quik Tip™ 5/16" O.D. (7.94 mm) |
| 2 | TOUGH LOCK™ SD 1/4" O.D. (6.35 mm) |
| 3 | TOUGH LOCK™ HD 5/16" O.D. (7.94 mm) |

6 WIRE SIZE

| | |
|----------|-----------------|
| A | 0.023" (0.6 mm) |
| B | 0.030" (0.8 mm) |
| C | 0.035" (0.9 mm) |
| D | 0.039" (1.0 mm) |
| E | 0.045" (1.2 mm) |
| H | 0.052" (1.4 mm) |
| I | 1/16" (1.6 mm) |
| K | 5/64" (2.0 mm) |
| L | 3/32" (2.4 mm) |
| M | 7/64" (2.8 mm) |
| N | 1/8" (3.2 mm) |

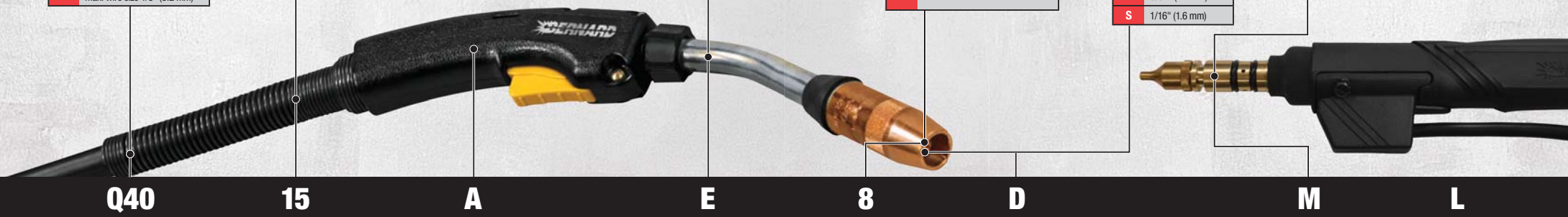
ALUMINUM WIRE

| | |
|----------|-----------------|
| Q | 0.035" (0.9 mm) |
| R | 3/64" (1.2 mm) |
| S | 1/16" (1.6 mm) |

7 POWER PIN

| | |
|----------|--------------------------|
| B | Bernard™ |
| E | Euro™ |
| L | Lincoln® |
| M | Miller® |
| O | OXO™ |
| S | Tweco® #4 (Lincoln Lead) |
| T | Tweco #4 (Standard Lead) |
| U | Tweco #4 (NAS Plug) |
| W | Tweco #5 (Standard Lead) |

See page 25 for more information.



3 HANDLE AND TRIGGER

| | | | | | | | |
|-------------------------------------|--------------------------------|------------------|---|---------------------------------------|--------------------------------|------------------|---|
| B Series Small Curved Handle | Q20, Q30 | A B C | Standard Trigger Locking Trigger Dual Pull Trigger | T Series Small Straight Handle | Q30 | S | Standard Trigger |
| B Series Large Curved Handle | Q40 | A B C D E | Standard Trigger Locking Trigger Dual Pull Trigger Dual Schedule Switch Locking Dual Schedule | T Series Large Straight Handle | Q30, Q40, Q50, Q60 S30, S40 | M N P Q R | Standard Trigger Locking Trigger Dual Pull Trigger Dual Schedule Switch Locking Dual Schedule |
| O Series Large Curved Handle | Q40, Q50, Q60 S40, S50, S60 | G H I K L | Standard Trigger Locking Trigger Dual Pull Trigger Dual Schedule Switch Locking Dual Schedule | O Series Small Curved Handle | Q20, Q30, Q40 S30, S40 | T U | Standard Trigger Locking Trigger |

See page 6 for more information.

The diffusers and nozzles in the chart below come factory installed by gun amperage:

| AMP | CENTERFIRE | | QUIK TIP | | TOUGH LOCK | | |
|--|------------|----------|----------|---------|---------------|---------------|----------|
| | Diffuser | Nozzle | Diffuser | Nozzle | Diffuser (SD) | Diffuser (HD) | Nozzle |
| 200 | DS-1 | NS-1218B | D118Q | N1C58Q | 404-18 | N/A | 401-4-62 |
| 300 | DS-1 | NS-5818C | D118Q | N1C58Q | 404-18 | 404-26 | 401-6-62 |
| 300 (T Series Small Straight Handle Only) | DS-1 | NS-5818C | D118Q | N1C58Q | 404-18 | 404-26 | 401-4-62 |
| 400 | D-1 | N-5818C | D118Q | N1C58Q | 404-18 | 404-26 | 401-6-62 |
| 500 | D-1 | N-5814C | D114Q | N1C34HQ | N/A | 404-26 | 401-5-62 |
| 600 | D-1 | N-3414C | D114Q | N1C34HQ | N/A | 404-26 | 401-5-75 |

8 LINER

| | |
|----------|---------------------------------------|
| C | New! Universal Conventional Liner |
| Q | QUICK LOAD™ Liner* |
| L | QUICK LOAD Liner AutoLength™ System** |

*Available for wire sizes 0.023" to 3/32"
 **Available for wire sizes 0.030" to 3/32"