

THE IMPORTANCE OF WELDING WITH QUALITY FILLER METALS

Looking to reduce overall welding costs?



Be sure to look beyond the price of your filler metal. Saving pennies in the short-run, may cost you hundreds in **lost productivity**.

Unfortunately, MIG wire price seems to be a first stop for cost cutting scrutiny. Inferior MIG wires translate to additional dollars spent in pre- and post-weld operations such as cutting, forming, surface/joint preparation, pre-heating, cleaning, tacking, grinding, and painting.



Importance of chemical composition:

Select a wire supplier that takes consistent chemical composition seriously. Consistent performance results in greater, more stable quality control. Your engineers can set and forget their procedures, rather than re-adjusting to accommodate for fluctuating wire composition.

MILD STEEL METAL CORED MIG WIRE

One of the biggest benefits of metal-cored wires is the ability to reduce pre- and post-weld activities like grinding, sandblasting, or chipping slag. In the spray transfer mode they produce little to **no spatter, reducing the need for pre- and post-welding cleaning**. It is possible (though not recommended) to weld through mill scale, dirt, and debris. They also require minimal, if any, interpass cleaning so work well on multi-pass welding applications where high levels of arc-on time are desired. These wires do tend to cost more than flux-cored or solid wires, but many companies find that the quality and productivity improvements negate the higher per kg expense when it comes to the bottom line.

MILD STEEL METAL CORED WIRE

Outershield[®] MC710-H

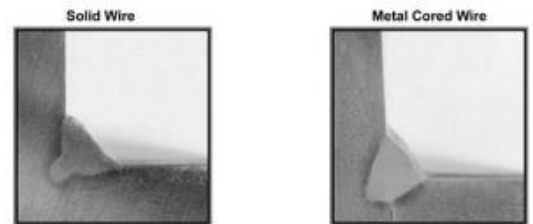
WELDING POSITIONS (ISO/ASME)



CURRENT TYPE / SHIELDING GAS (ISO 14175)

DC +
M21 : Mixed gas Ar+ (>15-25%) CO₂
Flow rate: 15-25 l/min

Penetration Profile Comparison



CLASSIFICATION

AWS A5.18 E70C-6M H4
EN ISO 17632-A T 46 3 M M 2 H5 (ø1.2 and 1.6 mm)
T 46 2 M M 2 H5 (ø2.0 and 2.4 mm)

GENERAL DESCRIPTION

All position high efficiency gas shielded metal cored wire
Excellent arc characteristics give outstanding operator appeal
Very few silicates, virtually no spatter, fast travel speed, excellent wire feeding
Superior on scaled plate, good resistance to porosity
Very good mechanical properties (CVN >47J at -30°C)
Superior product consistency with optimal alloy control

APPROVALS

Shielding gas	ABS	BV	DB	DNV	GL	LR	RINA	RMRS
M21	3YSAH5	SA3YMH5	+	IIYMS(H5)	3YH55	3YSH5	3YS	3YSH5

IN STOCK NOW!

**INCREASE YOUR
PRODUCTIVITY
TODAY**



Open Monday to Friday 8am-5pm **MAY 2019**
Saturday 8am-12pm (except public holiday long weekends)

*All prices listed are subject to change without notice, gst not included unless stated otherwise

Ph 0800 272 935 sales@arcweld.co.nz www.arcweld.co.nz
9 Bandon Street, Frankton, Hamilton.

SUMNER **Fold-A-Jack**®



Standard Features:

- 1135kg capacity
- Folds up for storage ease
- Carrying handle for transporting ease
- 25mm square tube base construction
- Quick-action lock washer for height positioning
- Patented Fall Guard™ feature allows 25mm safety zone around lock washer
- 38mm Acme fine adjustment thread
- Large, convenient adjustment handle
- Set screw for double margin of safety
- Set screw can lock jack for transportation – no loose pieces
- Jack independently load-tested
- CE rated
- Over 40 years of jack stand manufacturing experience



STAINLESS ROLLER WHEEL HEAD

Application:
Welding of pipes and rounds



BALL TRANSFER HEAD

Application:
Rotation of pipe or tubing in all directions

ULTRA™ CLAMP



781130 1" – 2-1/2" (25 – 65 mm)
781150 2" – 6" (50 – 150 mm)
781170 5" – 12" (127 – 300 mm)

Pipe to Flange

Pipe to Pipe

LORCH

MicorTIG 200 DC

MADE IN GERMANY

IN STOCK NOW!

MicorTIG series

THE PINNACLE OF MOBILE TIG WELDING The TIG power package:
Compact. Ultra flexible. Intuitive.

- HF Ignition (with option to switch off)
- Pulse function up to 5 kHz
- Infinitely variable current setting
- Power Factor Correction Module (PFC)
- All-In technology for mains supply (10A, 15A, 16A, Battery)
- Protected against falls from heights of 80cm
- Adjustable pre- and post-flow gas settings
- Low power consumption thanks to on-demand technology



Stainless steel welding with DC

TIG-DC welding



TIG-DC pulse welding

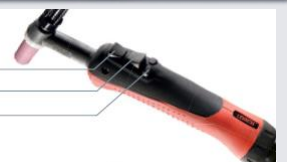


MobilePower



i-Torch UpDown

Welding current "On/Off"
Secondary current "On/Off"
Current "Up-Down"



i-Torch Powermaster

Up Current "Up-Down" Down
180 ↔ 179

Welding current display of your Lorch welding power source



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