

# [FLUX CORED FABRICATED MIG WIRES]

## GAS SHIELDED METAL-CORED WIRE

### METALLOY VANTAGE Ni1 H4

Classification: AWS A5.28 : E80C-Ni1 H4



- All positions (including vertical down with pulse and short arc)
- Single or multi-pass welding of nickel-molybdenum steels
- High impact at sub-zero temperatures at -46°C
- Exceptionally clean weld beads
- Virtually silicon free weld deposits
- Very low hydrogen H4 weld deposits

A high deposition, patented reduced silicon island metal-cored wire for all positional welding of nickel-molybdenum steels such as 1/2Ni-1/4Mo, 1 1/2 Ni-1/4 Mo, including castings and for joining HSLA weathering steels.



| SIZE (mm)   | SPOOL (kg) | PART NO.    |
|-------------|------------|-------------|
| 1.2         | 15         | S279512-K29 |
| Full Pallet | 1080       |             |

## CARBON & LOW ALLOY STEELS

### HOBART FORMULA XL-525 H5

Classification: AWS A5.20 : E71T-1M, E71T-12MJ



- Improved low temperature impacts at -40°C
- Low H5 diffusible hydrogen
- All positional (except vertical down)
- Single or multi-pass welding

All positional rutile wire designed for welding mild and carbon steels, particularly suited where good impact toughness at sub-zero temperatures is required.



| SIZE (mm)   | SPOOL (kg) | PART NO.    |
|-------------|------------|-------------|
| 1.2         | 15         | S283212-029 |
| Full Pallet | 1080       |             |

# [FLUX CORED FABRICATED MIG WIRES]

## CARBON & LOW ALLOY STEELS

### AUSTFIL 70C-6M

FORMULATED FOR USE WITH AR/CO<sub>2</sub> MIXED SHIELDING GAS  
 Classification: (NEW) AS/NZS ISO: 17632 B T 49 2 T15 O M A U H<sub>10</sub>  
 (SUPERSEDED) AS/NZS 2203.1 ETD - 6Mp \_ W503A. CM1 H<sub>10</sub>  
 AWS A5:18: E70C - 6M



Austfil 70C-6M is a metal-cored wire designed for high speed fillet and butt welding in the down-hand position using Argon + 18-25% CO<sub>2</sub> shielding gas mixtures. Weld beads are almost completely slag free with only minimal silicon islands, reducing the time and effort spent cleaning up prior to painting, coating or plating. Austfil 70C-6M is recommended for single pass and multi pass welding in both the flat and horizontal positions for mild, carbon and manganese carbon steels with minimum clean up and where high deposition rates and efficiencies are required in high productivity, semi-automatic and fully automatic welding installations.

| SIZE (mm)   | SPOOL (kg) | PART NO. |
|-------------|------------|----------|
| 1.2         | 15         | 70C6M12S |
| 1.6         | 15         | 70C6M16S |
| Full Pallet | 1080       |          |

### AUSTFIL 71T-1M

FORMULATED FOR USE WITH AR/CO<sub>2</sub> MIXED SHIELDING GAS  
 Classification: (NEW) AS/NZS ISO: 17632 B T 49 2 T1 1 M A U H<sub>10</sub>  
 (SUPERSEDED) AS/NZS 2203.1: ETP - 6Mp \_ W503A. CM1 H<sub>10</sub>  
 AWS A5:20: E71T - 1M, 9M, 12M H8



All positional rutile micro-alloyed type flux cored wire formulated for Argon/CO<sub>2</sub> shielding gas mixtures (18-25% CO<sub>2</sub>). For optimum performance, we recommend Argon with 25% CO<sub>2</sub>. Exceptionally smooth arc performance producing a superb weld with low spatter losses in all positions with excellent operator appeal. It is recommended for the welding of mild, carbon and carbon-manganese medium steels where good impact properties at -20°C are required. Typical applications include steel fabrication such as plate sections, beams, girders, truck chassis/bodies, ship building, earth moving equipment, storage tanks etc.

| SIZE (mm)   | SPOOL (kg) | PART NO. |
|-------------|------------|----------|
| 1.2         | 15         | 71T1M12S |
| 1.6         | 15         | 71T1M16S |
| Full Pallet | 1080       |          |

### AUSTFIL 71T

FORMULATED FOR USE WITH CO<sub>2</sub> SHIELDING GAS  
 Classification: (NEW) AS/NZS ISO: 17632 B T 49 2 T1 1 C A U H<sub>10</sub>  
 (SUPERSEDED) AS/NZS 2203.1: ETP - 6Cp \_ W503A. CM1 H<sub>10</sub>  
 AWS A5:20: E71T - 1 H8



Austfil 71T is a flux cored wire designed for excellent performance in all positional fillet weld and butt-welding applications. It is formulated exclusively for use with cost effective CO<sub>2</sub> shielding gas. Austfil 71T is recommended for general purpose all positional welding of mild, carbon and carbon-manganese steels where excellent weld profile and penetration is required. Suitable for applications such as storage tanks, structural fabrication, machinery, earth moving equipment and fatigue loaded structures.

| SIZE (mm)   | SPOOL (kg) | PART NO. |
|-------------|------------|----------|
| 1.2         | 15         | 71T112S  |
| 1.6         | 15         | 71T116S  |
| Full Pallet | 1080       |          |



# ***austfil*** **range**

- **Increased deposition rate**
- **Improved weld integrity**
- **Good operator appeal**

The Austfil range of flux cored wires reduces production costs through higher deposition rates with excellent high integrity deposits. Superb weld profiles with low spatter and fume levels result in good operator appeal.

