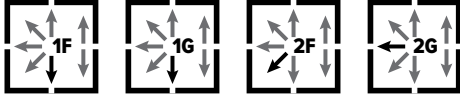


METAL-CORED GAS-SHIELDED

HYPERSPEED 70C



Summary

HYPERSPEED 70C is a metal-cored wire that offers higher deposition rates and efficiency, elevating productivity beyond traditional solid wire or flux-cored electrodes. Its virtually slag-free performance reduces clean-up time, optimising output. Designed for high-production demands, it's a prime choice for demanding welding environments. With its smooth arc characteristics, it ensures consistent weld quality. The wire boasts a low diffusible hydrogen weld deposit, which reduces the risks of hydrogen-induced cracking. It features minimal smoke and spatter to enhance both operator experience and productivity. It's designed for both constant voltage (CV) and pulsed welding, allowing flexibility in procedure development.

Typical Applications

- Automotive manufacturing and repairs
- Structural steel construction and fabrication
- Industrial equipment production
- Heavy machinery manufacturing
- Pressure vessel fabrication
- Shipbuilding
- Railroad car manufacturing
- Oil and gas industry components
- Wind turbine fabrication
- Large-scale pipe welding

Classification

- AS/NZS ISO 17632-A: T46 3 M M21 3 H5
- AS/NZS ISO 17632-A: T46 3 M M20 3 H5
- AS/NZS ISO 17632-B: T494T15 0MA U H5

Standards

- AWS A5.18 E70C-6M H4

Approvals

- ABS
- JIS
- DNV
- CWB
- CE

Recommended Gas

- Ar+20-25% CO₂
- 100% CO₂

Operating Polarity

- DCEP

Typical Chemical Composition (%)

| C | Mn | Si | P | S | Ni |
|-------|-------|-------|-------|-------|-------|
| 0.040 | 1.348 | 0.538 | 0.010 | 0.020 | 0.320 |
| Cr | Mo | V | Cu | | |
| 0.030 | 0.030 | 0.010 | 0.010 | | |

Typical Mechanical Analysis

| | |
|-------------------------|-----|
| YIELD STRENGTH | 490 |
| TENSILE STRENGTH | 569 |
| ELONGATION | 27 |
| TEST TEMP. (°C) | -30 |
| ABSORBED ENERGY | 80 |

Country of Origin



Packaging Info

| SKU | WIRE SIZE | WEIGHT | DESCRIPTION |
|--------|-----------|--------|---|
| U61007 | 0.9mm | 15kg | HYPERSPEED 70C METAL-CORED GAS-SHIELDED WIRE 0.9MM 15KG |
| U61010 | 1.2mm | 15kg | HYPERSPEED 70C METAL-CORED GAS-SHIELDED WIRE 1.2MM 15KG |
| U61011 | 1.6mm | 15kg | HYPERSPEED 70C METAL-CORED GAS-SHIELDED WIRE 1.6MM 15KG |