mspro

AUSTRALIAN BRAND

WELDING CONSUMABLES

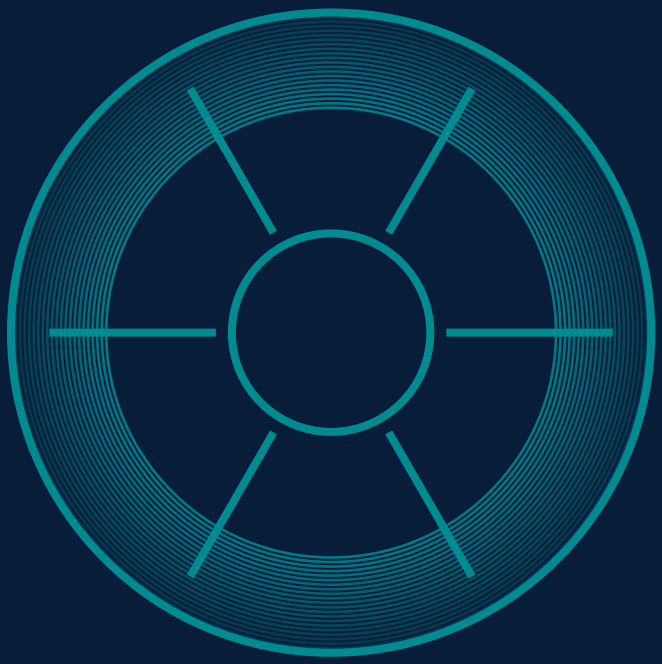
PRODUCT CATALOGUE

MIG / MAG

FLUX-CORED

TIG FILLER RODS

HARDFACING



For fabrication, maintenance and wear protection.

Built for Industry. Engineered for Performance.

ENGLISH EDITION | 2026.11 | V1.1

Find your product

11 product families / 18 specification combinations

Industrial welding wires and filler rods for carbon steel, stainless steel and hardfacing applications.

PRODUCT	CLASSIFICATION / TYPE	DIA. mm	PAGE
MS6	AWS A5.18 | ER70S-6	0.9 / 1.2	**03**
CW71-C	AWS A5.20 | E71T-1C H8	1.2 / 1.6	**04**
SM308	AWS A5.9 | ER308LSi	0.9 / 1.2	**05**
SM309	AWS A5.9 | ER309LSi	0.9 / 1.2	**06**
SM316	AWS A5.9 | ER316LSi	0.9 / 1.2	**07**
ST308	AWS A5.9 | ER308L	1.6 / 2.4	**08**
ST309	AWS A5.9 | ER309L	2.4	**09**
ST316	AWS A5.9 | ER316L	1.6 / 2.4	**10**
HI	Open arc | Self-shielded	1.2	**11**
HA	Open arc | Self-shielded	1.6	**12**
HX	Open arc | Self-shielded	1.6	**13**

PACK FORMATS

Spool wire: 15 kg, D300 | TIG rods: 5 kg, 1 m length

Product selection & ordering **14**

MS6

Mild Steel MIG Wire

AWS A5.18 | ER70S-6

Copper-coated solid MIG/MAG wire for carbon steel fabrication. Manganese and silicon support weld-pool deoxidation and wetting, including on steel with light surface scale.

Key features

- Stable arc and low-spatter welding
- Precision layer winding for consistent feeding
- For single-pass and multi-pass fabrication

Typical applications

Structural and general fabrication; trailers, machinery, tanks and pipework.

ORDERING INFORMATION

Diameter	Product code	Pack
0.9 mm	MS6-09-150	15 kg | D300
1.2 mm	MS6-12-150	15 kg | D300

Gas: Ar/CO2 mixtures or CO2

CW71-C

Gas-Shielded Flux-Cored Wire

AWS A5.20 | E71T-1C H8

Gas-shielded flux-cored wire for productive carbon steel fabrication. Designed for high deposition rates, stable arc performance and single-pass or multi-pass welding.

Key features

- High deposition rate for fabrication
- All-position welding capability
- Designed for CO2 shielding gas

Typical applications

Steel structures and frames; heavy equipment, machinery and general industrial fabrication.

ORDERING INFORMATION

Diameter	Product code	Pack
1.2 mm	CW71C-12-150	15 kg | D300
1.6 mm	CW71C-16-150	15 kg | D300

Gas: CO2

SM308

Stainless Steel MIG Wire

AWS A5.9 | ER308LSi

Low-carbon stainless steel MIG wire for 304 and 304L stainless steel fabrication. Enhanced silicon content improves weld-pool fluidity and wetting for smooth bead formation.

Key features

- Low-carbon composition
- Enhanced silicon for improved wetting
- Smooth, consistent weld bead appearance

Typical applications

Food equipment, industrial kitchens, tanks and stainless pipework.

ORDERING INFORMATION

Diameter	Product code	Pack
0.9 mm	SM308-09-150	15 kg | D300
1.2 mm	SM308-12-150	15 kg | D300

Gas: Confirm with current TDS

SM309

Stainless Steel MIG Wire

AWS A5.9 | ER309LSi

Low-carbon stainless steel MIG wire for dissimilar joints, particularly stainless steel to carbon steel. Enhanced silicon content improves weld-pool fluidity and wetting for smooth bead formation.

Key features

- Low-carbon composition
- Enhanced silicon for improved wetting
- Smooth, consistent weld bead appearance

Typical applications

Dissimilar-metal structures, equipment fabrication, maintenance and overlay applications.

ORDERING INFORMATION

Diameter	Product code	Pack
0.9 mm	SM309-09-150	15 kg | D300
1.2 mm	SM309-12-150	15 kg | D300

Gas: Confirm with current TDS

SM316

Stainless Steel MIG Wire

AWS A5.9 | ER316LSi

Low-carbon stainless steel MIG wire for 316 and 316L stainless steel fabrication. Enhanced silicon content improves weld-pool fluidity and wetting for smooth bead formation. Molybdenum supports resistance to pitting and crevice corrosion.

Key features

- Low-carbon composition
- Enhanced silicon for improved wetting
- Smooth, consistent weld bead appearance

Typical applications

Process equipment, food systems, tanks and stainless pipework in corrosive service.

ORDERING INFORMATION

Diameter	Product code	Pack
0.9 mm	SM316-09-150	15 kg | D300
1.2 mm	SM316-12-150	15 kg | D300

Gas: Confirm with current TDS

ST308

Stainless Steel TIG Filler Rod

AWS A5.9 | ER308L

Low-carbon stainless steel TIG filler rod for 304 / 304L stainless steels. Supports precise welding and clean weld deposits when used with a suitable welding procedure.

Key features

- Low-carbon filler metal
- Controlled TIG welding and smooth deposits
- 1 m rods in 5 kg packs

Typical applications

Stainless equipment, tanks, pipework and precision fabrication.

ORDERING INFORMATION

Diameter	Product code	Pack
1.6 mm	ST308-16-050	5 kg | 1 m rods
2.4 mm	ST308-24-050	5 kg | 1 m rods

Gas: Confirm with current TDS

ST309

Stainless Steel TIG Filler Rod

AWS A5.9 | ER309L

Low-carbon stainless steel TIG filler rod for stainless-to-carbon steel joints. Supports precise welding and clean weld deposits when used with a suitable welding procedure.

Key features

- Low-carbon filler metal
- Controlled TIG welding and smooth deposits
- 1 m rods in 5 kg packs

Typical applications

Dissimilar-metal fabrication, equipment maintenance, tanks and pipework.

ORDERING INFORMATION

Diameter	Product code	Pack
2.4 mm	ST309-24-050	5 kg | 1 m rods

Gas: Confirm with current TDS

ST316

Stainless Steel TIG Filler Rod

AWS A5.9 | ER316L

Low-carbon stainless steel TIG filler rod for 316 / 316L stainless steels. Supports precise welding and clean weld deposits when used with a suitable welding procedure. Molybdenum supports pitting and crevice corrosion resistance.

Key features

- Low-carbon filler metal
- Controlled TIG welding and smooth deposits
- 1 m rods in 5 kg packs

Typical applications

Stainless equipment, tanks, pipework and precision fabrication.

ORDERING INFORMATION

Diameter	Product code	Pack
1.6 mm	ST316-16-050	5 kg | 1 m rods
2.4 mm	ST316-24-050	5 kg | 1 m rods

Gas: Confirm with current TDS

HI

High-Impact Hardfacing Wire

Open arc | Self-shielded

For rebuilding and protecting steel components exposed to heavy shock, repeated impact and mechanical loads. Designed to produce tough, impact-resistant deposits.

Key features

- Self-shielded open-arc process
- No external shielding gas required
- For industrial maintenance and wear protection

Typical applications

Buckets, crusher hammers, earthmoving equipment and impact-exposed components.

ORDERING INFORMATION

Diameter	Product code	Pack
1.2 mm	HI-O-12-150	15 kg | D300

Gas: No external gas

HA

High-Abrasion Hardfacing Wire

Open arc | Self-shielded

For protecting steel surfaces exposed to continuous abrasive wear. Designed for chutes, buckets, wear plates and material handling equipment.

Key features

- Self-shielded open-arc process
- No external shielding gas required
- For industrial maintenance and wear protection

Typical applications

Chutes, transfer points, buckets, protective liners and conveyor components.

ORDERING INFORMATION

Diameter	Product code	Pack
1.6 mm	HA-O-16-150	15 kg | D300

Gas: No external gas

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EXTREME-WEAR HARDFACING WIRE

HX

Extreme-Wear Hardfacing Wire

Open arc | Self-shielded

For components exposed to severe abrasive wear and continuous sliding abrasion in demanding material handling and processing environments.

Key features

- Self-shielded open-arc process
- No external shielding gas required
- For industrial maintenance and wear protection

Typical applications

Crusher liners, conveyor screws, mineral processing, mixing and grinding equipment.

ORDERING INFORMATION

Diameter	Product code	Pack
1.6 mm	HX-O-16-150	15 kg | D300

Gas: No external gas

Specify with confidence

Choose by application

Carbon steel fabrication	**MS6 / CW71-C**
304 / 304L stainless steel 304	**SM308 / ST308**
Stainless-to-carbon steel joints	**SM309 / ST309**
316 / 316L stainless steel 316	**SM316 / ST316**
Impact / abrasion / severe abrasion	**HI / HA / HX**

Tell us what you need

Product code, diameter, quantity, base material, welding process and delivery destination. For hardfacing, include the wear mechanism, impact level, operating temperature and repair objective.

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Selection guide only. Confirm suitability, current technical data, welding procedure and market requirements before use. AWS designations identify product classifications; they do not imply third-party approval. Availability and inspection documents are confirmed at quotation.