1
CONSUMABLES



We have colour coded our Super 6 Consumable range so you can easily identify when stored in your warehouse and minimise picking errors.



Aluminium

Super 6 4043 Aluminium MIG Wire is an aluminium alloy containing 5% silicon, ideal for welding duraluminium, cast and wrought alloys. This wire is suitable for general fabrication and construction, shipbuilding, automotive industry, and repair and maintenance.



Stainless Steel

Stainless Steel is a generic term for a range of steels that contain a minimum of 12% Chromium. Nickel and Molybdenum are added to improve corrosion resistance.





Steel

Optimise your welding with Super 6 SG2 Steel MIG Wire. With its copper coated mild steel design, this wire is ideal for general construction, shipbuilding, and automotive industries. Featuring an optimized bead shape, it provides exceptional mechanical properties and superior weldability.



Hardfacing

Super 6 600S Steel MIG & TIG Wire offers reliable hard facing capabilities for high wear resistance perfect for the agricultural, earth moving, and stone crushing industries. It is designed for superior weld efficiency and strength, plus its corrosion resistant shielding gas improves quality and productivity for a reliable and cost-effective solution.

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Guide to Symbols



FILLER WIRES FOR JOINING SIMILAR/DISSIMILAR ALUMINIUM ALLOYS

A: 1st Choice **B:** 2nd Choice **C:** 3rd Choice **D:** 4th Choice

Base Material	7020	6082	6063	6061	6101A	5083	5454	5154A	5251	5005	3105	1200	1080A	1050A
1050A	5556 5556 5556 5556	4043 4043 4043 5356	4043 4043 4043 5356	4043 4043 4043 5356	4043 4043 4043 -	5556 5556 5556 5556	5356 5154 5356 5356	5556 5556 5556 5556	5356 5154 5356 5356	5154 5154 5356 5154	4043 3103 4043 3103	4043 1050A 4043 1050A	4043 1050A 4043 1050A	4043 1050A 4043 1050A A B C D
1080A	5556 5556 5556 5556	4043 4043 4043 5356	4043 4043 4043 5356	4043 4043 4043 5356	4043 4043 4043 -	5556 5556 5556 5556	5356 5154 5356 5356	5556 5556 5556 5556	5356 5154 5356 5356	5356 5356 5356 5356	4043 3103 4043 3103	4043 1050A 4043 1050A	4043 1050A 4043 1050A	A B C D
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5083	5556 5556 5556 5556	5356 5356 5356 5356	5356 5356 5356 5356	5356 5356 5356 5356	5356 5356 5356 -	5556 5556 5556 5356	A B C D							
6101A	- - - -	4043 4043 4043 -	4043 4043 4043 -	4043 4043 4043 -	4043 4043 4043 -	A B C D								
6061	- - - -	4043 4043 4043 5356	4043 4043 4043 5356	4043 4043 4043 5356	A B C D									
6063	- - - -	4043 4043 4043 5356	4043 4043 4043 5356	A B C D										
6082	- - - -	4043 4043 4043 5356	A B C D											
7020	5556 5556 5556 5556	A B C D												

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4043

Aluminium alloy containing 5% silicon, for welding duraluminium, cast and wrought alloys. Typically used in general fabrication and construction, shipbuilding, automotive industry, repair and maintenance.

Al	Si
95.0	5.00



MIG 0.5kg Spool

Pt No.	Diameter
7004	0.8mm
7005	1.0mm
7006	1.2mm

MIG 2.0kg Spool

Pt No.	Diameter
7008	0.8mm
7009	1.0mm
7010	1.2mm

MIG 6.0kg Spool

Pt No.	Diameter
7012	0.8mm
7013	1.0mm
7014	1.2mm
7015	1.6mm

TIG 2.5kg Tube

Pt No.	Diameter
7050	1.6mm
7051	2.4mm
7052	3.2mm

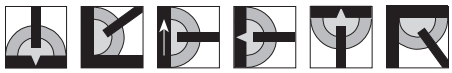


AWS : A5.10 ER 4043
EN ISO 18273-S AL 4043 (Al Si 12)

4047

Excellent corrosion resistance and a low melting point which allows thin Aluminium sheet to be successfully MIG welded. Typically used in automotive, ship building, offshore, repair and maintenance.

Al	Si
88.0	12.00



MIG 6.0kg Spool

Pt No.	Diameter
7018	0.8mm
7019	1.0mm
7020	1.2mm

TIG 2.5kg Tube

Pt No.	Diameter
7054	1.6mm
7055	2.4mm
7056	3.2mm

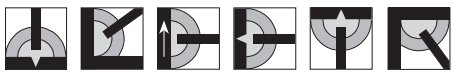


AWS : A5.10 ER 4047
EN ISO 18273-S AL 4047A (Al Si 12)

5183

Special Aluminium alloy giving improved strength, used when high seawater corrosion resistance is required. Typically used in shipbuilding, offshore, cryogenic plants, power generation and railway industry.

Al	Mg	Mn
94.0	5.00	0.75



MIG 6.0kg Spool

Pt No.	Diameter
7040	1.0mm
7041	1.2mm

TIG 2.5kg Tube

Pt No.	Diameter
7060	1.6mm
7061	2.4mm
7062	3.2mm

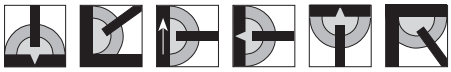


AWS : A5.10 ER 5183
EN ISO 18273 S Al 5183 (Al Mg 4.5 Mn 0.7)

5356

A general purpose Aluminium wire containing 5% magnesium, giving excellent corrosion resistance and high joint strength. Typically used in shipbuilding, offshore, power generation, repair and maintenance industries.

Al	Si
95.0	5.00



MIG 0.5kg Spool

Pt No.	Diameter
7023	0.8mm
7024	1.0mm
7025	1.2mm

MIG 2.0kg Spool

Pt No.	Diameter
7030	0.8mm
7031	1.0mm
7032	1.2mm

MIG 6.0kg Spool

Pt No.	Diameter
7034	0.8mm
7035	1.0mm
7036	1.2mm

TIG 2.5kg Tube

Pt No.	Diameter
7057	1.6mm
7058	2.4mm
7059	3.2mm



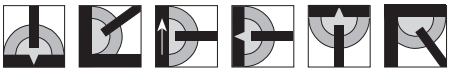


AWS : A5.10 ER 5356
EN ISO 18273 S Al 5356 (Al Mg 5)

5556

Aluminium alloy containing 5.3% Magnesium with all elements closely controlled for optimum weld strength. Typically used in the military industry, power generation, shipbuilding and offshore.

Al	Mg	Mn	Cr	Ti
93.0	5.30	08.0	0.10	0.01



TIG 2.5kg Tube

Pt No.	Diameter
7063	1.6mm
7064	2.4mm
7065	3.2mm

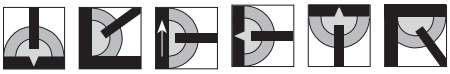


AWS : A5.10 ER 5556
EN ISO 18273-S Al 5556A (Al Mg 5 Mn)

1050

A pure Aluminium (99.5%) rod producing a ductile weld that can be stretched, drawn, or hammered without fracture. Typically used in the food and electronics industries.

Al	Fe	Cu
99.5	0.40	0.10



TIG 2.5kg Tube

Pt No.	Diameter
7047	1.6mm
7048	2.4mm
7049	3.2mm



AWS : A5.10 ER 1050
EN ISO 18273-S Al 1050 (Al 99.7)

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Base Material	301	30/8	303/Se	304/H	304/L	309/S	310/S	316/H	316/L	317/L	321 347	410	420	430
430	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	316H 309L – –	316L 309L – –	316L 309L – –	347 309L – –	430 308L – –	430 308L – –	430 308L – – A B C D
420	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	316H 309L – –	316L 309L – –	316L 309L – –	347 309L – –	430 308L – –	430 308L – – A B C D	
410	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	308L 309L – –	316H 309L – –	316L 309L – –	316L 309L – –	347 309L – –	430 308L – – A B C D		
321 347	347 308L – –	347 308L – –	347 308L – –	347 308L – –	347 308L – –	347 309 309L –	310 347 – –	316 308 347 –	316 347 – –	316 347 – –	347 308L – – A B C D			
317/L	317 308L – –	317 308L – –	317 308L – –	317 308L – –	317 308L – –	316L 309L – –	310 317L – –	317 316L – –	317 316L – –	317L – – – A B C D				
316/L	316H 308L – –	316H 308L – –	316H 308L – –	316H 308L – –	316H 308L – –	309L 316L – –	310 316L – –	316L 316H – –	316 316LSi – – A B C D					
316/H	316H 308L – –	316H 308L – –	316H 308L – –	316H 308L – –	316H 308L – –	309L 316L – –	310 316L – –	316L – – – A B C D						
310/H	310 308L – –	310 308L – –	312 – – –	310 308H – –	310 308L – –	310 309 – –	310 – – – A B C D							
309/S	309 309L 309LSi –	309 309L 309LSi –	309 309L 309LSi –	309 309L 309LSi –	309 309L 309LSi –	309 309L 309LSi – A B C D								
304/L	308 308LSi – –	308 308LSi – –	308 308LSi – –	308 308LSi – –	308 308LSi – – A B C D									
304/H	308 308LSi – –	308 308LSi – –	308 308LSi – –	308H – – – A B C D										
303/Se	308 308LSi – –	308 308LSi – –	312 – – – A B C D											
302/B	308 308LSi – –	308 308L 308LSi – A B C D												
301	308 308L 308LSi – A B C D													

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307 & 307Si

Stainless steel wire for dissimilar welding between steel and stainless steel, armour plate and high manganese austenitic steels. Also used for buffer layers and difficult-to-weld steels.

C	Mn	Ni	Si	Cr
0.07	6.80	7.70	0.08	18.6



MIG 15kg Spool

Pt No.	Diameter
7161	0.8mm
7162	1.0mm
7163	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7164	1.6mm
7165	2.4mm
7166	3.2mm

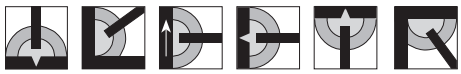


AWS : A5.9 Nearest ER 307
EN ISO 14343-A G W 18 8 Mn

308 & 308LSi

For welding 18/8 (304) austenitic stainless steels providing good corrosion and wear resistance. Often used in the chemical and food industries.

C	Si	Mn	Ni	Cr
0.02	0.80	1.50	10.0	21.0



MIG 0.7kg Spool

Pt No.	Diameter
7183	0.6mm
7184	0.8mm
7185	1.2mm

MIG 5.0kg Spool

Pt No.	Diameter
7186	0.6mm
7187	0.8mm
7188	1.2mm
7189	1.2 mm

MIG 15kg Spool

Pt No.	Diameter
7190	0.8mm
7191	1.0mm
7192	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7216	1.6mm
7217	2.4mm
7218	3.2mm



AWS : A5.9 ER 308 LSi
EN ISO 14343-A G 19 9 LSi

AWS : A5.9 ER 308 L
EN ISO 14343-A W 19 9 L

309 & 309LSi

Ideal for joining material of similar composition and also dissimilar stainless steel. Generally found in the chemical, power generation, repair and maintenance industries.

C	Si	Mn	Ni	Cr
0.10	0.40	1.50	13.0	26.0



MIG 5.0kg Spool

Pt No.	Diameter
7193	0.8mm
7194	1.0mm

MIG 15kg Spool

Pt No.	Diameter
7195	0.8mm
7196	1.0mm
7197	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7219	1.6mm
7220	2.4mm
7221	3.2mm



AWS : A5.9 ER 309 LSi
EN ISO 14343-A G 23 12 LSi

AWS : A5.9 ER 309 L
EN ISO 14343-A W 23 12 L

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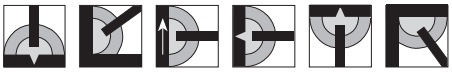
310

Welding wire for similar heat resistant 25/20 CrNi steels for working temperature up to 1200ºC.
Typical applications include heat shield, ducting and furnace parts.

C	Mn	Ni	Cr
0.10	1.80	21.0	26.0



MIG 15kg Spool

Pt No.	Diameter
7175	0.8mm
7176	1.0mm
7177	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7229	1.6mm
7230	2.4mm
7231	3.2mm



AWS : A5.9 ER 310
EN ISO 14343-A G W 25 20

312

A 29.9 stainless steel wire suitable for joining difficult-to-weld steels such as tool, spring steel and dissimilar materials. Also has a high resistance to weld metal cracking.

C	Si	Mn	Ni	Cr	Mo
0.10	0.40	1.70	9.00	30.0	0.10



MIG 5.0kg Spool

Pt No.	Diameter
7208	0.8mm
7209	1.0mm

MIG 15kg Spool

Pt No.	Diameter
7210	0.8mm
7211	1.0mm

TIG 5.0kg Tube

Pt No.	Diameter
7227	1.6mm
7228	2.4mm



AWS : A5.9 ER 312
EN ISO 14343-A G W 29.9

316L & 316LSi

Stainless steel wire for dissimilar welding between steel and stainless steel, armour plate and high manganese austenitic steels. Also used for buffer layers and difficult-to-weld steels.

C	Si	Mn	Ni	Cr	Mo
0.02	0.80	1.50	12.0	19.0	2.0



MIG 0.7kg Spool

Pt No.	Diameter
7198	0.8mm
7199	1.0mm
7200	1.2mm

MIG 5.0kg Spool

Pt No.	Diameter
7201	0.6mm
7202	0.8mm
7203	1.mm

MIG 15kg Spool

Pt No.	Diameter
7204	0.6mm
7205	0.8mm
7206	1.0mm
7207	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7222	1.0mm
7223	1,2mm
7224	1.6mm
7225	2.4mm
7226	3.2mm



AWS : A5.9 ER 316 LSi
EN ISO 14343-A G 19 12 3 LSi

AWS : A5.9 ER 316 L
EN ISO 14343-A W 19 12 3 L

317

Good general corrosion resistance alloy.
Applications include chemical, petro chemical, food and paper industries.

C	Si	Mn	Cr	Ni	Mo
0.01	0.40	1.50	19.0	14.5	3.60





TIG 5.0kg Tube

Pt No.	Diameter
7167	1.6mm
7168	2.4mm
7169	3.2mm

AWS : A5.9 ER 317
EN ISO 14343-A W 19 13 4 L

318

Suitable for welding 316Ti and 316Nb stainless steels.
Often found in chemical and textile industries.

C	Si	Mn	Cr	Ni	Mo
0.035	0.45	1.70	19.5	11.4	2.70





TIG 5.0kg Tube

Pt No.	Diameter
7170	1.6mm
7171	2.4mm
7172	3.2mm

AWS : A5.9 ER 317
EN ISO 14343-A W 19 12 3 Nb

347

Niobium stabilised wire suitable for 18/8 stainless steel types 321 and 347.
Applications include food, brewery, pharmaceutical equipment and general fabrication.

C	Si	Mn	Ni	Cr	Nb
0.04	0.40	1.50	10.0	20.0	0.60



MIG 15kg Spool

Pt No.	Diameter
7180	0.8mm
7181	1.0mm

TIG 5.0kg Tube

Pt No.	Diameter
7213	1.2mm
7214	1.6mm
7215	2.4mm



AWS : A5.9 ER 347
EN ISO 14343-A W 19 9 Nb

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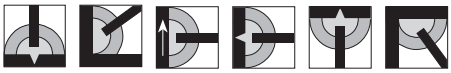
2209

Stainless steel alloy wire designed for welding 22% chromium duplex stainless steels.
The weld deposits exhibit high tensile strength, improved resistence to corrosion cracking and pitting.

Cr	Ni	Mo
22.95	8.55	3.11



MIG 15kg Spool

Pt No.	Diameter
7818	1.0mm
7819	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7821	1.6mm
7820	2.4mm
7822	3.2mm



AWS : A5.9 ER 2209
EN ISO 14343-A W 22 9 3 N L

2594

A super duplex wire for welding S32750 and S32760 alloys as it has excellent corrosion properties.
Widely used in the offshore, oil and gas industries.

Cr	Ni	Mo
25.5	9.40	3.60



TIG 5.0kg Tube

Pt No.	Diameter
7823	1.6mm
7824	2.4mm
7825	3.2mm

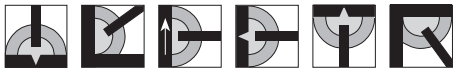


AWS : A5.9 ER 2594
EN ISO 14343-A W 25 9 4 N L

ERNiCrMO-3

Commonly referred to as alloy 625 is used for a range of applications with surface temperatures over 1000ºC.
Uses include welding heat resisting nickel based alloys for applications in furnace and high temperature equipment.

C	Mn	Ni	Ti	Si	Cr
0.10	0.50	60.0	0.40	0.50	20.0



TIG 5.0kg Tube



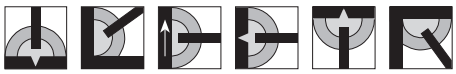
Pt No.	Diameter
7790	1.6mm
7805	2.4mm

AWS : Er NiCrMo-3
EN ISO S Ni6625 (NiCr22Mo9Nb)

ERNiCr-3

Also known as alloy 82 used for a wide range of service temperatures from –196°C to over 900°C.
Uses include welding heat resisting nickel base alloys for applications in furnace and high temperature equipment.

C	Mn	Ni	Ti	Si	Cr	Fe
0.05	3.50	7.00	0.75	0.50	22.0	3.00



TIG 5.0kg Tube



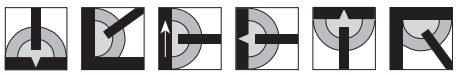
Pt No.	Diameter
7798	1.6mm
7802	2.4mm
7799	3.2mm

AWS : ER NiCr-3
EN ISO 18274-Ni6082

ERNiCu-7

Nickel copper base wire referred to as filler metal 60, for welding matching alloy 400 Monel. Good anti-corrosion to sea water, salts. Applications: heat exchangers, piping, process vessels in chemical, offshore and marine industries.

C	Mn	Fe	Cu	Si
0.01	3.40	0.70	30.0	0.10



TIG 5.0kg Tube



Pt No.	Diameter
7783	1.6mm
7814	2.4mm
7784	3.2mm

AWS : A5.14 ER NiCu-7
EN ISO 18274-S NiCuMn3Ti

SG2

A copper coated mild steel Mig wire for welding mild and medium tensile steels. Used in general construction, shipbuilding and automotive industries.

C	Si	Mn
0.10	0.80	1.30



MIG 0.7kg Spool

Pt No.	Diameter
7300	0.6mm
7301	0.8mm
7302	1.0mm

MIG 5.0kg Spool

Pt No.	Diameter
7303	0.6mm
7304	0.8mm
7305	1.0mm

MIG 15kg Spool

Pt No.	Diameter
7306	0.6mm
7307	0.8mm
7308	1.0mm
7309	1.2mm
7310	1.6mm

MIG 250kg Drum

Pt No.	Diameter
7312	0.8mm
7313	1.0mm
7314	1.2mm



AWS : A5.18 ER 70 S-6
EN ISO 14341-A-G 42 4 C1/M21 3 Si1

SG2 Wire Basket

A copper coated mild steel Mig wire for welding mild and medium tensile steels. Used in general construction, shipbuilding and automotive industries.

C	Ni	M0
0.10	0.80	1.30



MIG 15kg Spool

Pt No.	Diameter
7307WB	0.8mm
7308WB	1.0mm
7309WB	1.2mm

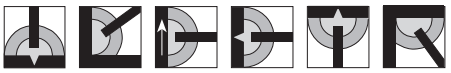


AWS : A5.18 ER 70 S-6
EN ISO 14341-A-G 42 4 C1/M21 3 Si1

SG3

A copper coated steel Mig wire with increased silicon and manganese for improved UTS. Used in general fabrication, shipbuilding and power generation.

C	Si	Mo
0.10	1.00	1.30



MIG 15kg Spool

Pt No.	Diameter
7320	0.8mm
7321	1.0mm
7322	1.2mm

MIG 250kg Drum

Pt No.	Diameter
7341	1.0mm
7342	1.2mm

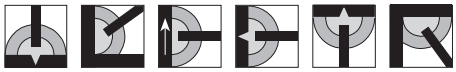


AWS : A5.18 ER 70 S-6
EN ISO 14341-A-G-46 4 M21/42 4 C1 4 Si1

E71T-1

A rutile flux cored wire for welding structures fabricated in mild and low alloyed structural steel in all positions.
Often used in shipbuilding, offshore and general fabrication sectors.

C	Si	Mn
0.05	0.60	1.30



MIG 15kg Spool

Pt No.	Diameter
7332	1.2mm



AWS : E 71 T-1
EN ISO 17632-A-T 42 4 R C/M 2 H10

E71T-GS

A self shielding steel flux cored wire.
Ideal for DIY use automotive repair, general repair and maintenance.

C	Si	Mn	Al
0.25	0.40	0.70	2.40



MIG 0.45kg Spool

Pt No.	Diameter
7335	0.8mm
7336	0.9mm

MIG 1.0kg Spool

Pt No.	Diameter
7337	0.6mm

MIG 4.5kg Spool

Pt No.	Diameter
7338	0.8mm
7339	1.0mm



AWS : E 71 T-GS

600S

Solid hard facing Mig wire for high wear resistance.
Ideal for agricultural, earth moving and stone crushing industries.

C	Si	Mn	Cr
0.45	3.00	0.40	9.00



MIG 15kg Spool

Pt No.	Diameter
7345	1.0mm
7346	1.2mm



DIN 8555 MSG 6-GZ-60
EN 14700 S Fe 8

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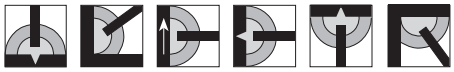
A15

A copper coated mild steel rod with a high level of deoxidants (triple deoxidised) to enable sound porosity free welds. Used in general fabrication, power generation and chemical industries.

C	Si	Mn	Al
0.06	0.60	1.30	0.10





TIG 5.0kg Tube

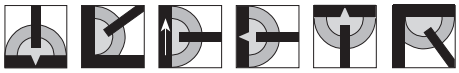
Pt No.	Diameter
7350	1.0mm
7351	1.2mm
7352	1.6mm
7353	2.4mm
7354	3.2mm

AWS : A5.18 ER 70 S-2
EN ISO 636-A W2Ti

A17

Low carbon double deoxidised rod for Tig welding mild steel. Used for general fabrication and shipbuilding.

C	Si	Mn
0.11	0.30	1.00





TIG 5.0kg Tube

Pt No.	Diameter
7356	1.6mm
7357	2.4mm

BS 2901 A17
EN ISO 636-A : 2008 W2 Si Z

A18

Copper coated deoxidised steel Tig rod for welding mild steel. Used for general fabrication and shipbuilding.

C	Si	Mn
0.10	1.00	1.30





TIG 5.0kg Tube

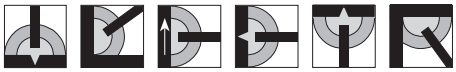
Pt No.	Diameter
7360	1.0mm
7361	1.2mm
7362	1.6mm
7363	2.4mm
7364	3.2mm

AWS : ER 70 S-6
EN ISO 636-A : W 3 Si 1

A30

A copper coated heat-resisting wire containing 0.5% molybdenum. Designed for welding low alloy creep resistant steels requiring a high tensile strength. Typically used for construction steam boilers, pressure tanks, gas pipes etc.

C	Mn	Mn	P	S	Cu
0.10	0.60	1.10	0.015	0.01	0.35



TIG 5.0kg Tube

Pt No.	Diameter
7377	0.8mm
7378	1.0mm
7379	1.2mm

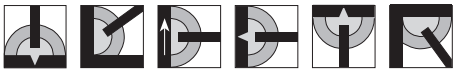


AWS : A5.28 ER 70 S-A1
EN ISO 636-A-W 2 Mo

A31

Copper coated heat resistant wire containing 0.5% molybdenum. Typically used on steam boilers, gas pipe, pressure vessels and heat exchangers.

C	Si	Mn	Mo
0.10	0.70	1.80	0.50



TIG 5.0kg Tube

Pt No.	Diameter
7366	1.6mm
7367	2.4mm
7368	3.2mm

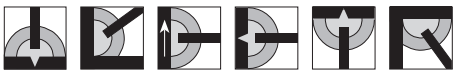


AWS : A5.28 ER 80 S-D2
EN ISO 636-B: W 4 M 3 1 / W 57 A 3 4 M 3 1

A32

Low alloy copper coated wire with 1.25% Cr and 0.5% Mo content used for the welding of heat-resistant steels. Suited to high temperature power generation applications. Used in the chemical industry, heat exchangers, boilers etc.

C	Si	Mn	Cr	Mo
0.10	0.55	100	1.30	0.50



MIG 15kg Spool

Pt No.	Diameter
7328	0.8mm
7329	1.0mm
7330	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7370	1.6mm
7371	2.4mm
7372	3.2mm



AWS : A5.28 ER 80 S-G
EN ISO 21952-A Cr Mo 1 Si

AWS : A5.28 ER 80 S-B2
EN ISO 21952-1 CM

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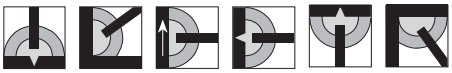
90S-B3

A copper coated wire for TIG welding 2.25% Cr-1% Mo for welding heat resistant steels.
Main areas of application include steam chest, boiler superheaters, turbine casting and valve bodies.

C	Si	Mn	Cr	Mo
0.09	0.55	0.55	2.50	1.05



TIG 5.0kg Tube

Pt No.	Diameter
7380	1.6mm
7381	2.4mm
7382	1.2mm



AWS : A5.28 ER 90 S-B3
EN ISO 21952-B 2C1M

100S-G

A welding wire for high strength low alloy steels. Typically used in the construction and structural sector. Ideal for bridges, tanks, mining industry and shipbuilding etc.

C	Mn	Ni	Ti	Si	Cr	Mo
0.07	1.70	1.60	0.05	0.50	0.20	0.45



MIG 15kg Spool

Pt No.	Diameter
7290	0.8mm
7291	1.0mm
7230	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7383	1.6mm
7384	2.4mm
7385	3.2mm





AWS : A5.28 ER 100 S-G
EN ISO 16834-A G 69-2 M21

EN ISO 16834-A W Mn 3 Ni Cr Mo

110S-G

Copper coated low-alloy wire with Ni-CrMo suitable for single pass or multi-pass welding of low-alloy steels.
It can also be used when good toughness characteristics in low temperatures are required.

C	Si	Mn	Ni	Mo
0.08	0.60	1.60	2.50	0.50



MIG 15kg Spool

Pt No.	Diameter
7295	0.8mm
7296	1.0mm
7297	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7386	1.6mm
7387	2.4mm
7388	3.2mm





AWS : A5.28 ER 110 S-G
EN ISO 16834-A G 69-2 M21

EN ISO 16834-A W Mn 3 Ni Cr Mo

80S-Ni1

Fine-grained low alloy steels and also austempering steels. Ideal for building up of cranes, transport, tanks, industrial facilities, equipment in general, pipelines and shipbuilding etc.

C	Si	Mn	Ni	Mo
0.08	0.80	1.00	1.00	0.35



MIG 15kg Spool

Pt No.	Diameter
7317	0.8mm
7318	1.0mm
7319	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7389	1.6mm
7390	2.4mm
7391	3.2mm





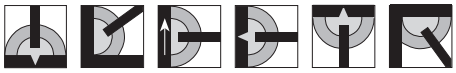
AWS : A5.28 ER 80 S-Ni 1
EN ISO 14341-A- G 3 Ni 1

EN ISO 636-A- W 3 Ni 1

80S-Ni25

Copper coated Ni alloy wire for low temperature fine grained steel. Ideal for plates, storage tanks, pipelines and equipment for cryogenic use.

C	Si	Mn	Ni
0.01	0.60	1.10	2.40



MIG 15kg Spool

Pt No.	Diameter
7325	0.8mm
7326	1.0mm
7327	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7392	1.6mm
7393	2.4mm
7394	3.2mm





SFA-AWS : A5.28 ER 80 S-Ni 2
EN ISO 14341-A-G 50 9 M 2 Ni 2

EN ISO 636-A-W 2 Ni 2

CORTEN

Excellent resistance to atmospherical agents thanks to the presence of Cu, Cr, Ni. Suitable for bridges, cranes, ground moving machines, boilers, building structures, petrochemical sector, fans, and gas pipes etc.

Cu	Cr	Ni
0.10	0.55	100



MIG 15kg Spool

Pt No.	Diameter
7800	1.0mm
7801	1.2mm



SFA-AWS : A5.28 ER 80 S-G
EN ISO 14341-A-G 50 4 C 1/M 21 Z 3 Ni 1

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CCMS

An oxygen/ acetylene copper coated mild steel rod for all types of mild steel and wrought iron welding. Particularly suitable for welding sheet metal panels, plates and tubes.

C	Si	Mn
0.07	0.10	0.40





5.0kg Tube

Pt No.	Diameter
7460	1.6mm
7461	2.4mm
7462	3.2mm

AWS : A5.2 / A5.2M R45
BS 1453.A1

SILICON BRONZE C2

A multi purpose silicon bronze brazing rod suited to all types of fabrication work involving steel, cast iron, copper and dissimilar metals joints. Used in automotive, wheelchair, tubular furniture, bicycles, repair and maintenance.

Cu	Si	Sn	Zn
60.0	0.30	0.30	34.0





2.5kg Tube

Pt No.	Diameter
7468	1.6mm
7469	2.4mm
7470	3.2mm

EN 1044 : Cu 302
BS 1845 CZ6A 1453 C2

FLUX COATED BRONZE C2FC

Flux coated silicon bronze rod for continuous brazing by not having to flux dip the rod. Ideal for general mild steel, galvanised steel, dissimilar joints and DIY enthusiasts. Suitable for automotive, tubular furniture, repairs and DIY.

Cu	Si	Sn	Zn
60.0	0.30	0.30	34.0





2.5kg Tube

Pt No.	Diameter
7473	2.4mm
7474	3.2mm

EN 1044 : Cu 302
BS 1845 CZ6A 1453 C2

EN ISO 16834-A W Mn 3 Ni Cr Mo

BRONZE C2 K

A flux impregnated silicon bronze rod, ideal for brazing clean mild steel components. Ideally suited for use in motor body shops, sheet metal fabrications and tubular furniture.

Cu	Fe	Si	Mn
60.0	30.0	0.30	34.0



2.5kg Tube

Pt No.	Diameter
7476	2.4mm
7477	3.2mm



EN 1044 : Cu 302
BS 1845 CZ6A 1453 C2

BRONZE MN

A brazing rod with additions of manganese and tin giving a free flowing characteristic. Use as a general brazing flux or liquid gas flux. Suitable for automotive, wheel chair and bicycle industries.

Cu	Fe	Si	Mn	Sn	Zn
60.0	1.20	0.15	0.50	1.10	37.0



5.0kg Tube

Pt No.	Diameter
7480	1.5mm
7481	2.0mm
7482	2.5mm
7483	3.0mm



AWS RB Cu Zn-c

BRONZE C5

Nickel bronze rod for use on cast iron, copper alloy, stainless steel and alloy steels. Gives excellent wearing properties and is ideal for structures requiring a high tensile strength. Use as a general brazing flux or stainless steel brazing flux.

Cu	Si	Ni	Zn
48.0	0.30	10.0	39.0



5.0kg Tube

Pt No.	Diameter
7485	1.6mm
7486	2.4mm
7487	3.2mm



EN 1044 : Cu 305
BS 1845 CZ6A 1453 C5

BRONZE C5 FC

A flux coated nickel bronze for use on cast iron, copper alloys, stainless steel and alloy steel. The nickel content makes this ideal for joints requiring high strength. Suitable for tubular structures, repair and maintenance industries.

Cu	Si	Ni	Zn
48.0	0.30	10.0	39.0





5.0kg Tube

Pt No.	Diameter
7530	2.5mm
7531	3.0mm

EN 1044 : Cu 305
BS 1845 CZ8 1453 C5

CP2

A copper phosphorous rod with 2% silver for improved ductility, easier flowing and highly resistant to corrosion. Self fluxing on copper but a copper flux is required on brass joints. For hot water cylinders and copper/brass fabrication.

Ag	P	Cu
2.00	6.00	92.0



1.0kg Tube

Pt No.	Diameter
7537	2.5mm
7538	3.0mm



AWS B Cu P-6
EN 1044 : CP105

CP3

A copper phosphorous rod with good electrical conductivity and corrosion resistance. It is self fluxing on copper but a copper flux is required for brass joints. Suited to general copper and brass fabrication.

P	Cu
7.00	93.0



1.0kg Tube

Pt No.	Diameter
7533	1.5mm
7534	2.0mm
7535	3.0mm



AWS : B Cu P-2
EN 1044 : CP 201

CP4

A copper phosphorous rod with 5% silver to give excellent flow and ductility. The rod is self fluxing on copper but a copper flux is required when joining brass. Ideal for copper/brass fabrications.

Ag	P	Cu
2.00	6.00	89.0



1.0kg Tube

Pt No.	Diameter
7499	1.5mm
7500	2.5mm



AWS : B Cu P-3
EN 1044 : CP 104

SILVER AG28

Cadmium-free 40% silver solder suitable for all ferrous and none ferrous metals except aluminium and its alloys. Ideal for artistic foundries, power generation and general copper/brass fabrications.

Ag	Cu	Zn	Sn
40.0	30.0	28.0	2.00

0.25kg Tube

Pt No.	Diameter	Rods/Pkt
7503	1.5mm	28
7504	2.5mm	10

1.0kg Tube

Pt No.	Diameter	Rods/Pkt
7505	1.5mm	112
7506	2.5mm	40



AWS : A5.8-92 B Ag-28
EN 1044 : AG 105

SILVER AG14

Cadmium free 55% silver solder which is free flowing and ideal for close fitting capillary joints. It gives a good colour match on stainless steel. Ideally used in the power generation, food industry and artistic foundries.

Ag	Cu	Zn	Sn
55.0	21.0	22.0	2.00

0.25kg Tube

Pt No.	Diameter	Rods/Pkt
7515	1.5mm	28
7516	2.5mm	10

1.0kg Tube

Pt No.	Diameter	Rods/Pkt
7508	1.5mm	112
7509	2.5mm	40



AWS : A5.8-92 B Ag-28
EN 1044 : AG 105

SILVER AG14FC

Cadmium free 55% silver flux coated solder which is free flowing and ideal for close fitting capillary joints. It gives a good colour match on stainless steel. Ideally used in the power generation, food industry and artistic foundries.

Ag	Cu	Zn	Sn
55.0	21.0	22.0	2.00

0.25kg Tube

Pt No.	Diameter	Rods/Pkt
7517	1.5mm	19
7518	2.5mm	7

1.0kg Tube

Pt No.	Diameter	Rods/Pkt
7511	1.5mm	70
7512	2.5mm	28



AWS : A5.8-92 B Ag-7
EN 1044 : AG 103 **BS 1845 AG 14**

FLUX POWDER

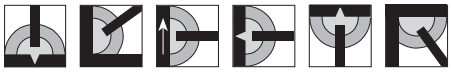


Pt No.	Powder Flux Description	Weight
7520	**Aluminium Welding** *for gas welding Aluminium*	500g
7521	**Aluminium Brazing** *for gas brazing Aluminium and its alloy*	500g
7522	**General Brazing** *for gas brazing steel and cast iron*	500g
7523	**Copper Welding and Brazing** *for welding and brazing copper and its alloys*	500g
7524	**Silver Solder** *for silver solder operations (boric acid and borate free)*	500g

C7

High quality wire containing a minimum of 98.5% copper with deoxidizing elements suitable for joining oxygen free copper and copper materials subject to high strain. Generally found in the brewing industry and power generation.

Cu	Mn	Si
99.5	0.25	0.25



MIG 12.5kg Spool

Pt No.	Diameter
7120	0.8mm
7121	1.0mm
7122	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7158	1.6mm
7159	2.4mm
7163	3.2mm

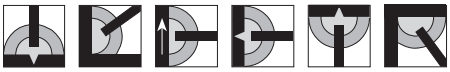


AWS : A5.7 ER Cu
EN ISO 24373 S Cu 1898 (Cu Sn 1)

C9

Ideal for fusion welding materials of similar composition e.g. copper alloy (brass). Frequently used in artistic foundries where good colour match is required, also for MIG brazing zinc coated steel sheets in the automotive industry.

Cu	Mn	Si
96.0	1.00	3.00



MIG 4.0kg Spool

Pt No.	Diameter
7126	0.8mm
7127	1.0mm
7128	1.2mm

MIG 12.5kg Spool

Pt No.	Diameter
7129	0.8mm
7130	1.0mm
7131	1.2mm

TIG 5.0kg Tube

Pt No.	Diameter
7154	1.6mm
7155	2.4mm
7156	3.2mm

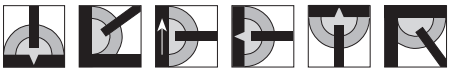


AWS : A5.7 ER Cu Si-A
EN ISO 24373 S Cu 6560 (Cu Si Mn1)

C11

Phosphor bronze rod containing 7% tin, produced for fusion welding phosphor bronze castings where a good colour match is required and for building up worn bearing surfaces. Ideal for TIG brazing and welding dissimilar joints.

Cu	Sn
93.0	7.00



TIG 5.0kg Tube

Pt No.	Diameter
7140	1.6mm
7141	2.4mm
7142	3.2mm

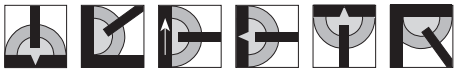


AWS : A5.7 ER Cu Sn-A
EN ISO 24373 S Cu 5180 (Cu Sn P)

C13

Copper based wire for Aluminium (9%) bronze. Often used for overlays on aluminium bronze alloys and CMn steels. Also suitable for dissimilar joints. Uses include pumps, casting cat exchanges, marine and mining industries.

Cu	Al	Fe
89.0	10.0	1.00





MIG 2.0kg Spool

Pt No.	Diameter
7150	0.8mm
7151	1.0mm
7152	1.2mm

MIG 12.5kg Spool

Pt No.	Diameter
7153	0.8mm
7157	1.0mm
7173	1.2mm

TIG 5.0kg Tube

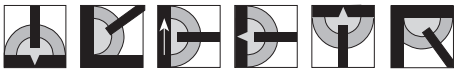
Pt No.	Diameter
7147	1.6mm
7148	2.4mm
7149	3.2mm

AWS : A5.7 ER E Cu Al-A2
EN ISO 24373 S Cu 6180 (Cu Al 10 Fe)

E6013

A rutile cellulose flux coated mild steel electrode for all positional welding except vertical down. Offering a smooth stable arc in both AC and DC. Designed for general fabrication, ship building and general construction.

C	Si	Mn
0.12	0.40	0.60



1.0kg Pack / 20 per carton

Pt No.	Diameter	Length
7397	2.5mm	350mm
7398	3.2mm	350mm
7399	4.0mm	400mm

2.5kg Pack / 6 per carton

Pt No.	Diameter	Length
4500	2.5mm	350mm
4501	3.2mm	350mm
4502	4.0mm	400mm

5.0kg Pack / 4 per carton

Pt No.	Diameter	Length
7400	2.0mm	350mm
7401	2.5mm	350mm
7402	3.2mm	350mm
7403	4.0mm	400mm
7404	5.0mm	400mm

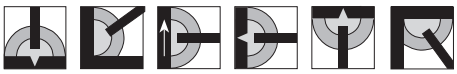


AWS : E6013
EN ISO 2560 : E420 RC11

E7018

Universal basic coated low hydrogen electrode for applications where high demands on impact values are required. Excellent welding characteristics in all positions except vertical down. Applications: ship building, power generation.

C	Si	Mn
0.12	0.40	0.60



5.0kg Pack / 4 per carton

Pt No.	Diameter	Length
7408	2.5mm	350mm
7409	3.2mm	350mm
7410	4.0mm	400mm
7411	5.0mm	400mm

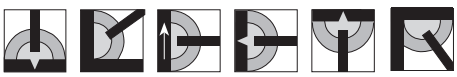


AWS : E7018
EN ISO 2560 : E42 5 B 32H5

E6013 Stealth SMOOTHWELD

Rutile type medium coated all position general purpose electrode for a wide variety of mild steel fabrication applications. It has excellent overall operability resulting in high quality weld deposits and welder appeal. Stable arc, fine ripples, minimum spatters and very easy slag removal. Good arc striking and re-striking. Applications: structural engineering, construction industries, steel structures, vehicle frames and bodies, bridges etc.

C	Si	M
0.08	0.25	0.45



5.0kg Pack

Pt No.	Diameter	Length
7608	2.5mm	350mm
7609	3.2mm	350mm
7610	4.0mm	450mm



S-6013.LF MILD STEEL ELECTRODES

The Hyundai S-6013.LF Steel Electrodes 5kg is a high-quality welding electrode that provides excellent usability in all positions. With its stable arc, shallow penetration, and low fume generation, this electrode is perfect for welding light structural steels such as machinery, vehicles and heavy steel structures.



5.0kg Pack

Pt No.	Diameter	Length
HY-10006173	2.5mm	350mm
HY-10006174	3.2mm	350mm
HY-10006176	4.0mm	450mm
HY-10006177	5.0mm	450mm

FEATURES

- Suitable for butt and fillet welding of thin plates
- Good restriking
- Dry the electrode at 70-100°C (158-212°F) for 30-60 minutes before use
- Type of Current: AC or DC+



AWS A5.1/ASME SFA5.1 E6013

S-6010 D MILD STEEL ELECTRODES

S-6010.D is a high cellulose type electrode for welding with direct current. suitable for all position welding of pipes and cast steel repairs.

C	Si	Mn	P	S
0.10	0.17	0.42	0.15	0.17



5.0kg Pack

Pt No.	Diameter	Length
HY-10002924	2.6mm	350mm
HY-10000018	3.2mm	350mm
HY-10000021	4.0mm	350mm

FEATURES

- Deep penetration
- High ductility (Root pass)
- Standard in the pipe welding industry



A5.1/ASME SFA5.1 E6010
EN ISO 2560-A E38 0 C 2 1
Current: - DC+

S-7016.0 MILD STEEL ELECTRODES

A low hydrogen type covered electrode specifically designed for one-side welding applications of 490 MPa class high tensile steel. It offers excellent arc stability even under relatively low welding currents, making it ideal for root passes and single-side welding processes, suitable for Structural steel fabrication, Pressure vessels and pipelines using high-strength steel.

C	Si	Mn	P	S
0.07	0.17	1.10	0.015	0.45



5.0kg Pack

Pt No.	Diameter	Length
HY-10000140	3.2mm	350mm
HY-10000143	4.0mm	350mm

FEATURES

- Suitable for one sided welding of pipe
- Stable Arc
- Relatively low current



AWS A5.1/ASME SFA5.1 E7016
EN ISO 2560-A - E42 2 B 1 2
Current: - AC or DC+

S-7018.1H MILD STEEL ELECTRODES

Basic welding electrode available in 1.5kg vacuum sealed packaging. It's an extra low-hydrogen type (HDM < 4ml/100g) and has an iron powder coating, which helps improve welding efficiency. It performs well with DC and has good usability. Great for applications like bridges, buildings, rolling stock, and structures, offering excellent impact values at –45°C.

C	Si	Mn	P	S
0.06	0.25	1.35	0.014	0.005



1.5kg Pack

Pt No.	Diameter	Length
HY-10000249	3.2mm	350mm
HY-10004328	4.0mm	450mm

AWS A5.1/ASME SFA5.1 E7018-1 H4R
EN ISO 2560-A - E42 4 B 3 2 H5
Current: - AC or DC+

FEATURES
- Extra low hydrogen electrode
- Good impacts at -45°C
- Vacuum sealed 1.5kg packets



S-7024.F MILD STEEL ELECTRODES

Efficiently and accurately weld flat and horizontal fillets with the Hyundai S-7024.F Mild Steel Electrodes 5kg. This iron powder titania type electrode is highly regarded for its effectiveness in welding internal structures, inside hulls, buildings and machine constructions. Achieve excellent results with this electrode's high efficiency.

5.0kg Pack

Pt No.	Diameter	Length
HY-10000118	3.2mm	400mm
HY-10000121	4.0mm	450mm
HY-10000125	5.0mm	450mm

AWS A5.1/ASME SFA5.1 E7024

FEATURES
- Heavy steel fabrication
- Shipbuilding
- Highly efficient fillet welding
- High welding speed
- Good bead appearance
- Easy to remove slag
- Dry the electrode at 70-100°C (158-212°F) for 30-60 minutes before use
- Type of Current: AC or DC+



S-308L-17 STAINLESS STEEL ELECTRODES

The Hyundai S-308L-17 Stainless Steel Electrodes are designed for welding 18%Cr-8%Ni stainless steels. This Rutile acid-type electrode offers high efficiency with a fast burn-off and deposition rate, allowing for use at high amperages. Its high moisture and porosity resistance make it a reliable choice for welding.

2.5kg Pack

Pt No.	Diameter	Length
HY-10003721	2.5mm	350mm
HY-10003722	3.2mm	350mm
HY-10003723	4.0mm	350mm
HY-10004216	5.0mm	350mm

AWS A5.4/ASME SFA5.4 E308L-17

FEATURES
- Good resistance to corrosion and oxidising environments
- Easy to remove slag
- Good bead appearance
- High moisture resistance (17 type)
- Dry the electrode at 350°C (662°F) for 60 minutes before use
- Length: 350mm
- Diameter: 2.5-5.0mm
- Type of Current: AC or DC+



S-309L-17 STAINLESS STEEL ELECTRODES

The Hyundai S-309L-17 Steel Electrodes 2.5kg are specifically designed for welding dissimilar metals, providing a strong and reliable bond between stainless steels, carbon steels, and low alloy steels. With top-of-the-line moisture and porosity resistance, this Rutile-Acid type electrode is ideal for under-layer welding on cladded stainless steel.

2.5kg Pack

Pt No.	Diameter	Length
HY-10003708	2.5mm	300mm
HY-10003709	3.2mm	350mm
HY-10003733	4.0mm	350mm

AWS A5.4/ASME SFA5.4 E309L-17

FEATURES

- Good resistance to heat and corrosion
- Good crack resistance
- Easy to remove slag
- High moisture resistance (17 type)
- Dry the electrode at 350°C (662°F) for 60 minutes before use
- Type of Current: AC or DC+



S-316L-17 STAINLESS STEEL ELECTRODES

The Hyundai S-316L-17 Stainless Steel Electrodes 2.5kg is a lime-titania type electrode ideal for welding 18%Cr-12%Ni-2%Mo stainless steels used in petrochemical and textile industries. With excellent usability and resistance to inter-crystalline corrosion in its as-welded state, it is a reliable and efficient option for all your welding needs.



2.5kg Pack

Pt No.	Diameter	Length
HY-10003683	2.5mm	300mm
HY-10003753	3.2mm	350mm
HY-10003684	4.0mm	350mm

AWS A5.4/ASME SFA5.4 E316L-17

FEATURES

- Good resistance to corrosion and oxidising environments
- Good heat resistance
- Easy to remove slag
- High moisture resistance (17 type)
- Dry the electrode at 350°C (662°F) for 60 minutes before use
- Type of Current: AC or DC+



SL-71 MAG MILD STEEL FLUX CORED WIRE

Experience optimal protection and high performance with the Hyundai SL-71 Mag Mild Steel Flux Cored Wire. Perfect for all position welding, this titania type wire offers superior moisture resistance and low diffusible hydrogen levels, preventing hydrogen induced or cold cracking. Ideal for shipbuilding, steel construction, bridges, offshore projects and pipes.



15.0kg Spool

Pt No.	Diameter
HY-30004616	1.2mm

AWS A5.20 E71T-1M/-9MF14

FEATURES

- Seamless flux cored wire
- All position with Ar + 20-25% CO2 shielding gas
- Crack resistant
- Diameter: 1.2mm
- Type of Current: DC+



SUPERCORED 71 MAG MILD STEEL FLUX CORED WIRE

Expertly weld mild and high tensile steel with Hyundai Supercored 71 Mag. Its rutile-type flux cored wire works best with Ar+CO2 gas, providing a smooth and stable arc for fast freezing slag system. Great for welding in any position, including vertical up and down.

15.0kg Spool

Pt No.	Diameter
HY-10001833	1.2mm

AWS A5.36/ASME SFA5.36
E71T1-M21A2-CS1

FEATURES

- Shipbuilding
- Civil construction
- General fabrication
- Low spatter
- Type of Current: DC+
- Shielding Gas: Ar + 20-25% CO_2



SC-71LHM FLUX CORED WIRE

The Hyundai SC-71LHM Flux Cored Wire is the perfect choice for all your welding needs. With its extra low hydrogen (H5) type and fast freezing slag system, you can expect an exceptionally smooth and stable arc. Whether it's shipbuilding, machinery, or structural fabrications, this wire is designed to provide superior results. Trust in Hyundai for your welding needs.

15.0kg Spool

Pt No.	Diameter
HY-10001847	1.2mm

EN ISO 17632-A T46 3 P M21 1 H5
AWS A5.36/ ASME SFA5.36 E71T1-M

FEATURES

- Extra low hydrogen (H5) type flux cored wire
- All position welding
- Fast freezing slag
- Open arc type hardfacing wire
- Shielding Gas: AR 20~25% CO_2



SUPERCORED 70NS MILD STEEL FLUX CORED WIRE

Hyundai Supercored 70NS Mild Steel Flux Cored Wire is perfect for welding in shipbuilding, machinery, and structural fabrication. This metal-cored wire boasts a high deposition rate, high efficiencies, and a smooth and stable arc for minimal spatter and slag coverage. Upgrade your welding game today.

15.0kg Spool

Pt No.	Diameter
HY-10002023	1.2mm

AWS A5.A18 E70C-6M
E70T15-M21A2-CS1

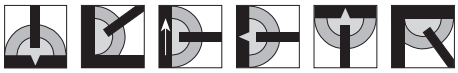
FEATURES

- Machinery and Structural fabrication
- Automotive or robotic welding
- Shipbuilding
- High deposition rates, stable arc, travel speed
- Good anti-porosity
- Type of Current: DC+
- Shielding Gas: Ar + 20-25% CO_2



SC-70ML METAL CORED WIRE

The Hyundai SC-70ML Metal Cored Wire is perfect for general fabrication, heavy equipment, and offshore structures. With a high impact value at low temperatures and excellent anti-porosity, this wire is ideal for both semi-automatic and automatic applications. Trust in its reliability for all your metalworking needs.



15.0kg Spool

Pt No.	Diameter
HY-10002085	1.2mm

AWS A5.18 E70C-6M

FEATURES

- Good impact value at low temperature
- Good anti-porosity
- General fabrication
- Heavy equipment
- Offshore structure
- Type of Current: DC+
- Shielding Gas: Ar + 20~25% CO_2



SC-70T METAL CORED WIRE

Experience efficient and precise welding with Hyundai SC-70T Metal Cored Wire. Ideal for thin plate and root pass applications, this wire offers high productivity and minimal slag and spatter. Use 100% Co2 or Ar-Co2 gas for all position welding in shipbuilding, machinery, and structural fabrication. Benefit from superior anti-porosity for flawless results.



15.0kg Spool

Pt No.	Diameter
HY-10002006	1.6mm

AWS A5.18/ ASME SFA5.18 E70C-3C/6M

FEATURES

- Good weldability in thin plate and root pass welding
- High productivity and automatic application
- Minimum amount of slag and spatter
- Use 100% CO_2 gas or Ar-CO_2 mixture (Dual g
- All position welding
- Good anti-porosity



SUPERCORED 81 MAG MILD STEEL FLUX CORED WIRE

Supercored 81MAG is a titania-type flux cored wire to be used with Ar+CO2 gas mixture shielding. It provides excellent notch toughness at low temperature, not only as welded but also stress relieved state.



15.0kg Spool

Pt No.	Diameter
HY-10002136	1.2mm

AWS A5.29 E81T1-NiLM-H4
Current DC+

FEATURES

- Meets Nace requirements
- Good impact values at low temperature
- Low Hydrogen



SUPERSHIELD 11 MILD STEEL FLUX CORED WIRE

Experience smooth and stable welding with Hyundai's Supershield 11 Mild Steel Flux Cored Wire. Designed for all positions, this self-shielded wire is perfect for light structures, assembly welds, and general fabrication. No more spatters and enjoy full coverage slag with its DC(–) polarity. Available in a convenient 15kg package.

15.0kg Spool

Pt No.	Diameter
HY-10002285	1.2mm

AWS A5.20 E71T-11

FEATURES

- General fabrication
- Galvanized steel
- Civil construction
- All position self-shielded flux cored wire
- Single and multi-pass welding of thin plate
- Type of Current: DC–
- No shielding gas



SUPERSHIELD CrCW OPEN ARC HARD FACING WIRE

Crafted with advanced technology, the Hyundai Supershield CrCW Open Arc Hard Facing Wire guarantees superior welding performance. With its durable and high-quality composition, it provides a reliable solution for hardfacing applications. Trust in its proven results and increase your productivity with this quality wire.

15.0kg Spool

Pt No.	Diameter
HY-10002379	1.2mm

FEATURES

- Wear plate
- Conveyor screws
- Open arc type hardfacing wire
- Cr-Carbide type
- Diameter: 1.2mm



SUPERCORED 308L STAINLESS STEEL FLUX CORED WIRE

The Hyundai Supercored 308L Stainless Steel Flux Cored Wire is the industry's top choice for 18%Cr-8%Ni stainless steel welding. Achieve flawless, high deposition welding in both flat and horizontal positions with 100% CO2 or mixed CO2 shielding gas. Perfect for PB & PA welding positions.

15.0kg Spool

Pt No.	Diameter
HY-10004311	1.2mm

AWS A5.22/ASME SFA5.22 E308LT0-1/-4

FEATURES

- 18%Cr-8%Ni stainless steel
- Flat and horizontal fillet position welding
- High deposition rate and efficiency
- Designed for welding with Ar + 20-25% CO_2 shielding gas
- Type of Current: DC+



SUPERCORED 309L STAINLESS STEEL FLUX CORED WIRE

Hyundai Supercored 309L Stainless Steel Flux Cored Wire is the top choice for welding dissimilar metals. With a high ferrite level, it offers superior heat and corrosion resistance. Enjoy a stable arc and easy slag removal when using 100% CO2 gas or Ar+20~25% CO2 gas. Trust the expertise of this industry-leading product.



15.0kg Spool

Pt No.	Diameter
HY-10004315	0.9mm
HY-10004319	1.2mm

AWS A5.22/A E309LT0-1/4

FEATURES

- 23.5%Cr-13%Ni stainless steels
- Dissimilar welds between carbon, low alloy steels to stainless steels
- Buffer layer welding for cladding, overlays
- Flat and horizontal fillet position welding
- Type of Current: DC+



SUPERCORED 316L STAINLESS STEEL FLUX CORED WIRE

Hyundai Supercored 316L Stainless Steel Flux Cored Wire is perfect for welding low carbon 18%Cr-12%Ni-2%Mo stainless steels or dissimilar joints. With its low carbon content, it offers excellent arc stability and easy slag removal. It has superb resistance against granular corrosion. Use with 100% CO_2 gas or Ar+20~25% CO_2 gas for optimal results.



15.0kg Spool

Pt No.	Diameter
HY-10004300	0.9mm
HY-10004304	1.2mm

AWS A5.22/ASME SFA5 E316LT0-1/4

FEATURES

- 18%Cr-12%Ni-2%Mo stainless steels
- Flat and horizontal fillet position welding
- High deposition rate and efficiency
- Designed for welding with Ar + 20-25% CO_2 shielding gas
- Type of Current: DC+



SW-308L STAINLESS STEEL FLUX CORED WIRE

Designed for easy welding of stainless steels, the Hyundai SW-308L Stainless Steel Flux Cored Wire is perfect for all position welding. Its fast freezing slag system makes welding out of position a breeze, while providing a beautiful bead appearance. Use with 100% CO_2 gas or Ar+20~25% CO_2 gas.



15.0kg Spool

Pt No.	Diameter
HY-10004541	1.2mm

AWS A5.22/ASME SFA5.22 E308LT1-1/4

FEATURES

- 18%Cr-8%Ni stainless steel
- Good porosity resistance
- Good performance in all positions
- Designed for welding with Ar + 20-25% CO_2 shielding gas
- Type of Current: DC+



SW-309L STAINLESS STEEL FLUX CORED WIRE

The SW-309L is perfect for welding dissimilar metals and achieving superior weldability with high heat and corrosion resistance. Designed for all position welding, it offers easy re-arcing, a beautiful bead appearance, and better slag removability. Suitable for stainless steel to carbon steel or low-alloy steels.



15.0kg Spool

Pt No.	Diameter
HY-10004524	1.2mm

AWS A5.22/ASME SFA5.22 E308LT1-1/-4

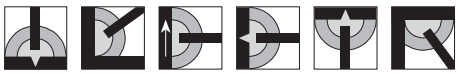
FEATURES

- 18%Cr-12%Ni-2%Mo stainless steels
- Good performance in all positions
- Designed for welding with Ar + 20-25% CO_2 shielding gas
- Type of Current: DC+



SW-316L STAINLESS STEEL FLUX CORED WIRE

SW-316L Stainless Steel Flux Cored Wire is perfect for welding 18%Cr-12%Ni 2%Mo stainless steels. Its high ferrite content results in excellent crack resistance and makes welding easier with beautiful bead appearance and better slag removability.



15.0kg Spool

Pt No.	Diameter
HY-10004542	1.2mm

AWS A5.22/ASME SFA5.22 E316LT1-1/-4

FEATURES

- 18%Cr-12%Ni-2%Mo stainless steels
- Good performance in all positions
- Designed for welding with Ar + 20-25% CO_2 shielding gas
- Type of Current: DC+



M-12K X S717 CARBON STEEL & LOW ALLOY STEEL SUB WIRE

Designed for multi-layer welding of structural steels, offshore structures, wind towers and pressure vessels. Excellent weldability across a wide range of plate thicknesses, Outstanding impact toughness and crack resistance in welded metal. Ideal for applications involving high-strength, thick-section steels.

25.0kg Spool

Pt No.	Diameter
HY-10001496	2.4mm
HY-10001506	3.2mm
HY-10001522	4.0mm

FEATURES

- Good performance with thick plate
- Good resistance to cracking
- Density 1.1g cm^3



WIRE:
AWS A5.17/A5.23 F7A(P)6-EM12K
EN ISO 14171 S2Si

FLUX:
EN ISO 14174 - S A AB 1

H-12K X SUPERFLUX 787

Designed for single and multi-layer welding of various kinds of structure such as ship buildings, offshore structures, machinery, and pressure vessels.

25.0kg Spool

Pt No.	Description
HY-10006350	Flux
HY-10007558	2.4mm
HY-10009599	3.2mm
HY-10004712	4.0mm

WIRE:
AWS A5.17/A5.23 F7A(P)8-EH12K
EN ISO 14171 S3Si

FLUX:
EN ISO 14174 - S A FB 1

FEATURES

- Low Hydrogen content
- Tandem, multi-electrode applicable
- Good impacts at low temperature after heat treatment
- Density 1.2g/cm³



H-14 X SUPERFLUX 55ULT

Single and multi-electrode welding can be performed, the flux is widely used for welding of various kinds of structures such as shipbuilding, offshore structures, and pressure vessels. It produces the weld metal which has excellent impact value at low temperature service.

25.0kg Spool

Pt No.	Description
HY-10001663	Flux
HY-10004204	4.0mm
HY-10004203	3.2mm
HY-10008212	2.4mm

WIRE:
AWS A5.17/A5.23 F7A(P)8-EH14
EN ISO 14171-A S 46 6 FB S4

FLUX:
EN ISO 14174 - S A FB 1

FEATURES

- Good impact values and COTD at low
- Low hydrogen content
- Tandem, multi-electrode applicable
- Density 1.2g/cm³



S-717 SAW SUBARC FLUX

Boost your welding efficiency with the Hyundai S-717 Saw Flux 20kg. Dry the flux at 300-350°C (572-662°F) for 60 minutes before use for optimal results. For the first layer in groove, keep the current and speed low, especially for multi-layer welding. Pair with M-12K sub arc wire for best performance.

20.0kg Can

Pt No.
HY-10001633

EN ISO 14174 - S A AB 1

FEATURES

- Pressure vessels
- Windtower
- Structural steels
- Good performance with thick plates
- Good resistance to crack
- Density: 1.1g/cm3
- Type of Current: AC, DC+
- Basicity Index: 1.9



SM-70E ECO BALLPAC®

The Hyundai SM-70E Eco Ballpac® 250kg is a versatile and efficient welding wire, suitable for a range of applications including butt and fillet welding for vehicles, buildings, ships, machinery, and bridges. With high deposition efficiency and deep penetration, it allows for precise and effective welding.

250kg Pack

Pt No.	Diameter
HY-10001022	1.0mm

EN ISO 14341-A G42 2 C1 3Si1
EN ISO 14341-A G42 5 M21 3Si1

FEATURES

- High deposition efficiency
- Short-circuiting type transfer
- All position welding
- Shielding Gas: AR 15~25% CO_2
- Flow quantity of shielding gas: 25 l/min



ECO PLUS II BALLPAC® TECHNOLOGY

Save money and reduce waste with Hyundai SM-70E Eco Ballpac. This drum for welding wires is 100% recyclable and features the exclusive anti-tangling Hyundai Ballpac® technology. The reinforced corrugated cardboard ensures easy handling, enhanced moisture resistance, and improved strength. With the patented marble system from Hyundai, enjoy better feeding reliability and efficient welding.

FEATURES

- Excellent feeding
- Anti-tangling and Twist Proof design
- Protection against damage and deformation
- Accurate tracking of welding seams
- Reduced downtime and improved productivity

250kg Pack

Pt No.	Diameter
HY-10010800	1.2mm x 250
HY-10010801	1.0mm x 250
HY-10010786	1.0mm x 300

EN ISO 14341-A G42 2 C1 3Si1
EN ISO 14341-A G42 5 M21 3Si1



CUTTING/GOUGING

Ideal for cutting, grooving and gouging steels, stainless steel, copper alloys, cast iron and cast steels. Vaccum packed.



5.0kg

Pt No.	Diameter	Length
7420S	3.2mm	350mm
7421S	4.0mm	350mm
7422S	5.0mm	350mm



650

High alloyed air hardening type electrode depositing non machinable weld metal is free from cracks, porosities and slag inclusions. Good for rock drills, drill bits, coal cutter blades, bulldozer blades and other metal to metal wear. Vaccum packed.

C	Si	Mn	Cr	Fe
0.10	0.20	0.60	7.50	Balance



5.0kg

Pt No.	Diameter	Length
7423S	2.5mm	350mm
7424S	3.2mm	350mm
7425S	4.0mm	350mm

DIN 8555 E6-UM-60S



ULTIMA

Nickel electrode for welding of grey iron, malleable iron, cast iron and for welding on fatigued casted parts. For rectification of casting. Ultima gives perfect welding results, even with low amperages and is soft machinable. Vaccum packed.

C	Si	Mn	Cr	Fe+
1.00	0.20	0.35	97.5	Balance



2.0kg

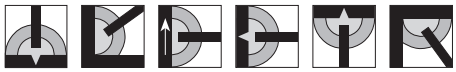
Pt No.	Diameter	Length
7430S	2.5mm	350mm
7431S	3.2mm	350mm
7432S	4.0mm	350mm



NiFe

Graphite basic coated electrode with Ferro-Nickel alloy deposit for joining and repairing nodular cast iron. Particularly recommended for dissimilar welding of cast iron to steels and constructions of cast iron. This weld is machinable. Vaccum packed.

Ni
56.0





2.0kg

Pt No.	Diameter	Length
7434S	2.5mm	350mm
7435S	3.2mm	350mm
7436S	4.0mm	350mm

AWS : A5.1 5 : E NiFe-C1
DIN 8573 E NiFe-1 BG11

SUPER OPTIMAL 308L-17

Low carbon Rutile-silica-coated 19cr, 10Ni austenitic stainless steel electrode with controlled ferrite approximately 6-8% for maximum resistance to cracking and corrosion. Very low moisture pick up, soft fusion without spatters. Vaccum packed.

C	Si	Mn	Cr	Ni	Mo
0.03	0.20	0.80	19.0	9.50	0.10





2.0kg

Pt No.	Diameter	Length
7438S	2.5mm	350mm
7439S	3.2mm	350mm
7440S	4.0mm	350mm

AWS : A5.4 : E308L-17
EN ISO 3581 : E 19 9 L R 23

SUPER OPTIMAL 309L-17

Rutile type low carbon electrode for joining dissimilar steels (austenitic to ferrite steels) and for cladding of austenitic steels. Weld metal consists of austenite with approximately 15% delta ferrite. Corrosion resistant in the first layer. Vaccum packed.

C	Si	Mn	Cr	Ni	Mo
0.03	0.20	0.90	23.8	12.8	0.10





2.0kg

Pt No.	Diameter	Length
7442S	2.5mm	350mm
7443S	3.2mm	350mm
7444S	4.0mm	350mm

AWS : A5.4 : E309L-17
EN ISO 3581 : E 23 12 LR 23

SUPER OPTIMAL 309 MOL-17

Low carbon rutile basic coated 23Cr 12Ni 2Mo stainless steel electrode, used to weld AISI 309 & 316L and dissimilar joints between construction, mild steel and stainless steels. Vaccum packed.

C	Si	Mn	Cr	Ni	Mo
0.03	0.20	1.00	23.5	13.1	2.50





2.0kg

Pt No.	Diameter	Length
7446S	2.5mm	350mm
7447S	3.2mm	350mm
7448S	4.0mm	350mm

AWS : A5.4 : E 309 LMo-17
EN ISO 3581 : E23 12 2 LR 23

SUPER OPTIMAL 312-17

For high strength welding and surfacing of similar and equal steels or cast steels, for joint welding tensile unalloyed steels, high manganese steels, spring steels and joints between dissimilar steels with high alloyed stainless steels. Vaccum packed.

C	Si	Mn	Cr	Ni	Mo
0.10	0.20	1.00	29.0	9.00	0.012





2.0kg

Pt No.	Diameter	Length
7454S	2.5mm	350mm
7455S	3.2mm	350mm
7456S	4.0mm	350mm

AWS : A5.4 : E312-17
EN ISO 3581 : E29 9

SUPER OPTIMAL 316L-17

Rutile silica coated Mo austenitic stainless steel electrode with approx 6-8% ferrite. Coating with a very low moisture pick up. Soft fusion, without spatters, very easy slag removal, exceptional bead appearance. Vaccum packed.

C	Si	Mn	Cr	Ni	Mo
0.04	0.20	0.80	18.5	11.6	2.30





2.0kg

Pt No.	Diameter	Length
7450S	2.5mm	350mm
7451S	3.2mm	350mm
7452S	4.0mm	350mm

AWS : A5.4 : E316L-17
EN ISO 3581 : E19 12 3 R 23

Tungsten is a rare metallic element used in manufacturing Tig welding electrodes. The Tig process relies on the tungsten's hardness and high-temperature resistance to carry the welding current to the arc. Tungsten has the highest melting point of any metal, 3,410ºC. Tungsten electrodes are non-consumable and come in a variety of sizes, they are made from pure tungsten or an alloy of tungsten and other rare earth elements. Choosing the correct tungsten depends on the material being welded, amps required and whether you are using AC or DC welding current. Tungsten electrodes are colour-coded at the end for easy identification.

2.0% Thoriated (Colour Code: Red)

Most popular for Carbon/Stainless Steel

0.8% Zirconiated (Colour Code: White)

Most popular for Aluminium

2.0% Ceriated (Colour Code: Grey)

Most popular for Carbon/Stainless Steel

1.0% Lanthanated (Colour Code: Black)

Most popular for Nickel/Alloy/Titanium/Stainless Steel

Multi Type (Colour Code: Gold)

Suitable for Any Material

Pure Tungsten (Colour Code: Green)

Most popular for Aluminium/Magnesium

E3 Rare Earth (Colour Code: Purple)

Most popular for High Alloy Steel/Titanium/Nickel/ Copper

WR02 Tungsten (Colour Code: Turquoise)

Most popular for Copper/Stainless Steel/Titanium

2.0% Lanthanated (Colour Code: Blue)

Most popular for Titanium/Aluminium/Magnesium

Tungsten Diameter mm	DC Current Amps Torch Negative 2% Thoriated	AC Current Amps Un-Balanced 0.8% Zirconiated	AC Current Amps Balanced Wave 0.8% Zirconiated
1.0mm	15-80	15-80	20-60
1.6mm	70-150	70-150	60-120
2.4mm	150-250	140-235	100-180
3.2mm	250-400	225-325	160-250
4.0mm	400-500	300-400	200-320



Electrode Diameter (mm)	2% Thoriated Red	0.8% Zirconiated White	2% Ceriated Grey	1% Lanthanated Black	Multi-type Gold	Pure Tungsten Green	E3 Rare Earth Purple	WR02 Tungsten Turquoise	2% Lanthanated Blue	Pack Qty
1.0	**1104**	**1121**	**1094**	**1132**	**1560**	**1895**	-	**1894**	**1155**	10
1.2	**1105**	**1123**	**1095**	**1142**	**1561**	-	-	-	-	10
1.6	**1106**	**1111**	**1097**	**1170**	**1562**	**1933**	**1990**	**1994**	**1156**	10
2.0	**1117**	**1124**	**1096**	**1143**	**1149**	**1932**	**1991**	**1995**	**1159**	10
2.4	**1107**	**1112**	**1098**	**1171**	**1563**	**1934**	**1992**	**1996**	**1157**	10
3.2	**1108**	**1113**	**1099**	**1172**	**1564**	**1935**	**1993**	**1997**	**1158**	10
4.0	**1109**	**1114**	**1100**	**1173**	**1565**	**1936**	-	-	-	10
4.8	**1110**	**1115**	**1101**	**1174**	**1566**	-	-	-	-	5
6.4	**1118**	**1116**	**1102**	**1175**	**1567**	-	-	-	-	5
Material	Stainless or Mild Steels	Aluminium & Alloys	Any Material	Any Material	Any Material	Aluminium & Magnesium	Any Material	Any Material	Any Material	
Current	DC	AC	AC - DC	AC - DC	AC - DC	AC	AC - DC	AC - DC	AC - DC	

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Selection Guidelines

As a general rule, the selection of an electrode is straightforward, in that it is only a matter of selecting an electrode of similar composition to the parent metal. However, for some metals there is a choice of several electrodes, each of which has particular properties to suit specific classes of work. It is recommended to consult your welding supplier for the correct selection of electrode.

Electrode Size

Average Thickness of Material	Maximum Recommended Electrode Diameter
1.0-2.0mm	2.5mm
2.0-5.0mm	3.2mm
5.0-8.0mm	4.0mm
>8.0mm	5.0mm

The size of the electrode generally depends on the thickness of the section being welded, and the thicker the section the larger the electrode required. The table gives the maximum size of electrodes that maybe used for various thicknesses of section based on using a general purpose type 6013 electrode.

Welding Current (Amperage)

Electrode Size ø mm	Current Range (Amps)
2.5mm	60-95
3.2mm	100-130
4.0mm	130-165
5.0mm	165-260

Correct current selection for a particular job is an important factor in arc welding. With the current set too low, difficulty is experienced in striking and maintaining a stable arc. The electrode tends to stick to the work, penetration is poor and beads with a distinct rounded profile will be deposited.

Too high current is accompanied by overheating of the electrode resulting undercut and burning through of the base metal and producing excessive spatter. Normal current for a particular job may be considered as the maximum, which can be used without burning through the work, over-heating the electrode or producing a rough spattered surface. The table shows current ranges generally recommended for a general purpose type 6013 electrode.

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PASTES

Pt No.	Description	Case Qty
1669	Standard Pickling Paste – 2.0kg	4*
1670	Rapid Pickling Paste – 2.0kg	4*
1671	Neutralisation Paste – 2.0kg	4*

*MOQ due to delivery restrictions



BRUSHES

Pt No.	Description
983	Pickling Paste Brush



POLINOX-P RAPID PICKLING PASTE

Pickling ensures the corrosion resistance of components made of stainless steel increases considerably their service life and usefulness.

Made in the EU and free from hydrochloric acid and chlorides, the Polinox-P Rapid pickling paste is a high strength orange pickling paste which quickly and completely removes heavy scale and burring from high alloy materials.



Pt No.	Description	Case Qty
ZY070602	Polinox-P Rapid Pickling Paste – 2.0kg	4*

*MOQ due to delivery restrictions

FLUX POWDER



Pt No.	Description
7520	Aluminium Welding – 500g *Powder Flux for gas welding Aluminium*
7521	Aluminium Brazing – 500g *Powder Flux for gas brazing Aluminium and its alloys*
7522	General Brazing – 500g *Powder Flux for gas brazing steel and cast iron*
7523	Copper Welding and Brazing – 500g *Powder Flux for welding and brazing copper and its alloys*
7524	Silver Solder – 500g *Powder Flux (boric acid and borates free) for silver solder operations*

TIP DIP



Pt No.	Description
1490	Anti-spatter paste – 500g *For Mig and Tig welding torch protection and weld spatter minimisation*

PREMIUM ANTI-SPATTER SPRAYS







Part No.	Description	Case Qty
1394	**Cleanweld Anti-Spatter Spray** – 600ml	12
1362	**Premium Anti-Spatter Spray** – 300ml	12
1357	**Solvent free Anti-Spatter Spray** – 300ml	12

ANTI-SPATTER SPRAY

WATER BASED ANTI-SPATTER



Part No.	Description	Case Qty
1365	**Anti-spatter** – 5 litres	4
1366	**Anti-spatter** – 25 litres	1

CRACK DETECTOR/METAL WORKING SPRAYS



Item	Part No.	Description	Case Qty
1	**1800**	**Weld Crack Detection Penetrant** – 300ml	12
2	**1801**	**Weld Crack Detection Developer** – 300ml	12
3	**1802**	**Weld Crack Detection Cleaner** – 300ml	12
4	**1803**	**Gas Leak Detector** – 300ml	12
5	**1807**	**Tapping and Cutting Oil** – 300ml	12
6	**1808**	**Galvanising Spray** – 300ml	12
7	**1809**	**Safe Solvent Cleaner** – 300ml	12