



**WELDERS'
FAVOURITE
SINCE 1938**



ELGACORE
Carbon and low-alloyed
flux cored wires

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Welders' favourite since 1938

Elga has been renowned for being the most demanding welders' choice ever since the very beginning. Starting as a family company in Gothenburg, Sweden, we have grown into a major supplier of consumables for the toughest and most challenging enduse welding areas. Today, we support welders across the globe with reliable consumables, equipment and know-how. As part of the global ITW group, we have the expertise and resources to continuously improve welding quality as well as productivity. Welcome to our world!



A history of innovation

It all began with the development and manufacture of electric and gas welding equipment for Sweden's engineering industry. Since then, Elga has continuously developed effective products for applications characterised by high demands on both the welder and the filler material. Innovation has been the main thread through the company's history. One example is the development of cored wire in the mid 1980s, an area in which Elga took the lead from the start and still remains a driving force. The latest development stage is the outstanding Elgacore MF™ seamless flux cored wire program.



Made for the roughest environments

From the very beginning, we have supplied the most demanding industries with forefront welding technology. That is why you will find welds from Elga consumables in constructions exposed to extreme conditions. Close collaboration with our customers has always been an integral part of the development process. This has given us deep insights into the professional welders' world for a great variety of end-use areas such as heavy vehicles and equipment, shipbuilding and offshore, steel structures and energy, paper and pulp, process piping, etc.



**ELGACORE
WELCOMES YOUR CHALLENGES**

Product description

Elgacore 791

EN ISO T 46 3 P/C M 2 H5
AWS E 71T-1C/M; E 71T-9C/M

Elgacore 791 is a rutile welding wire designed for welding in un-alloyed and manganese alloyed general construction steel. The wire is suitable for welding in all positions and can be used with either 100% CO₂ or 75% Ar/25% CO₂ as shielding gas. Elgacore 791 gives good impact toughness at -30°C, minimal welding spatter and easily removable slag.

Applications

- Automatic and mechanized welding
- Steel structures
- Offshore
- General fabrication

DIAMETERS AND PACKAGES*

Diameter	5 kg spool	15 kg spool
1,2 mm	92602112	92601012

Elgacore 71TM

EN ISO T 46 2 P M 1 H10
AWS E 71T-1M

Elgacore 71TM is a rutile welding wire designed for welding in un-alloyed and manganese alloyed general construction steel. The wire is suitable for welding in all positions and can be used with 75% Ar/25% CO₂ as shielding gas. Elgacore 71TM gives good impact toughness at -20°C, minimal welding spatter and easily removable slag.

Applications

- Automatic and mechanized welding
- Steel structures
- Offshore
- General fabrication

DIAMETERS AND PACKAGES*

Diameter	5 kg spool	15 kg spool
1,2 mm	92642112	92641012

Elgacore XL-525

EN ISO T 42 4 P M 2 H10
AWS E 71T-9MJ

Elgacore XL-525 is a micro-alloyed flux-cored wire designed for welding with 75% Ar/25% CO₂. Elgacore XL-525 gives a weld metal of 0.5% Ni to meet impact toughness requirements down to -40°C. The wire is suitable for welding in all positions and gives minimal welding spatter and easily removable slag.

Applications

- Automatic and mechanized welding
- Steel structures
- Offshore
- General fabrication

DIAMETERS AND PACKAGES*

Diameter	5 kg spool	15 kg spool
1,2 mm	92642112	92641012

Elgacore Matrix

EN ISO T 46 4 M M 3 H5
AWS E 70C-6M H4

Elgacore Matrix is a revolutionary new metal-cored welding wire designed to provide maximum performance in automation and robot applications. The wire is manufactured with the most advanced technology in the industry to achieve unparalleled uniform quality. Elgacore Matrix provides good impact toughness at -40°C, superior metal-wetting ability, minimal silicon islands and an extremely soft and stable arc. The wire is suitable for welding with either 100% CO₂ or 75% Ar/25% CO₂ shielding gas.

Applications

- Automatic and mechanized welding
- Heavy equipment
- Process piping
- General fabrication

DIAMETERS AND PACKAGES*

Diameter	15 kg spool	250 kg drum
1,2 mm	92621012	92622212
1,4 mm	92621014	92622214

Product description

Elgacore 86R

EN ISO T 46 3 M M 3 H5
AWS E 70C-6M H4

Elgacore 86R is a metal-cored welding wire for applications with C-Mn steel. Excellent impact toughness properties down to -30°C. Suitable for robot applications but also for manual welding. Ideal for use in short and spray arc. Elgacore 86R has been developed for welding with mixed gas 75-95% argon (Ar)/carbon dioxide (CO₂).

Applications

- Automatic and mechanized welding
- Heavy equipment
- Storage tanks
- General fabrication
- Root pass welding on pipe

DIAMETERS AND PACKAGES*

Diameter	15 kg spool	250 kg drum
1,2 mm	92561012	92562212
1,4 mm	92561014	92562214

Elgacore 77TM

EN ISO T 46 4 M M 3 H5
AWS E70C-6M

Elgacore 77TM is a metal-cored welding wire intended for high productivity welding with mixed gas 75-95% argon (Ar)/carbon dioxide (CO₂). The wire has been developed for both manual, robot and mechanized welding with good impact toughness values down to -40°C.

Applications

- Automatic and mechanized welding
- Heavy equipment
- Process piping
- General fabrication

DIAMETERS AND PACKAGES*

Diameter	15 kg spool	250 kg drum
1,2 mm	94621012	94622212
1,4 mm	94621014	94622214

Elgacore 881K2

EN ISO T 46 6 1,5 Ni P M 1 H5
AWS E81T1-K2M

Low-alloyed flux-cored welding wire with 1.5% Ni for high strength low alloy steel. Rapidly solidifying slag for higher deposition rate in all position welding. For mixed gas 75-95% Argon (Ar)/Carbon Dioxide (CO₂). Excellent impact toughness properties down to -60°C with mixed gas.

Applications

- Automatic and mechanized welding
- Offshore
- Pipeline

DIAMETERS AND PACKAGES*

Diameter	5 kg spool	15 kg spool
1,0 mm	92612110	
1,2 mm	92612112	92611012

Storage and handling of Elga cored wires.

Cored wires shall be stored in their original, undamaged packaging under properly maintained climatic conditions of 10-30°C and relative humidity as low as possible, maximum 80%.

Packaging shall not be placed directly on the floor, but on a wooden pallet or equivalent, at a distance of at least 10 cm from the ground and outside wall.

Transportation to and from the storage place shall be carried out in covered vehicles and direct exposure to rain and snow avoided.

Storage of cored wires outside the original packaging:

When the wire has been taken out of the original packaging, it can be stored in normal heated premises, (workshop etc.), for up to 5 days.

Handling

- If welding is conducted in an environment that is subject to snow, rain, marine conditions or dust, covered wire feed units should be used.
- During outdoor usage, or when used in unheated workshops or premises, the wire should be moved to a dry, heated storage area when not in use for a period of 8 hours or more.
- If the wire is to be put back in storage, the spool shall be protected with its plastic bag, or equivalent.

Packaging information

Flux-cored welding wire	Art.Nr D200 1,0 mm	Art.Nr D200 1,2 mm	Art.Nr BS300 1,2 mm
Elgacore 791		92602112	92601012
Elgacore 71TM		92642112	92641012
Elgacore XL-525		92642112	92641012
Elgacore 881K2	92612110	92612112	92611012

Metal-cored welding wires	Art.Nr BS300 1,2 mm	Art.Nr ProPac 1,2 mm	Art.Nr ProPac 1,4 mm
Elgacore Matrix	92621012	92622212	92622214
Elgacore 86R	92561012	92562212	92562214
Elgacore 77TM	94621012	94622212	94622214

D200 = 5 kg spools/4 spools to a box
 BS300 = 16 kg spools
 ProPac = 250 kg drums

Notes

Please contact your local ITW sales office for more information.

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ELGACORE

Carbon and low-alloyed flux cored wires



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THE ART OF WELDING