

GOLD 320-GMAW SOLID WELDING WIRE

For anti corrosion, friction and pressure resistant welds .

- **Multipurpose high strength alloy** for welding alloy and high-alloy-steels, manganese steels (14 % Mn) stainless steels, difficult to weld steel and dissimilar steel welding.
- **High mechanical properties** ,excellent wear, crack and corrosion resistance,
- For joining and overlaying **piston crowns, rails, crushers** , dies, press tools, tools, a. rotors, **extrusion screws for plastic and rubber** , overlays on turbine blades, valve seats, steel mill rolls , armour plates, ceramic mould repair and protection etc.
- **Weld deposit can be machined and will work harden in service.**
- Use for welding ferrite martensitic stainless steels such us 410,420,430,431 and 443 type.
- Suitable for service temperature **from-120 to +300 °C**

MECHANICAL PROPERTIES.

Tensile Strength [MPa]	Yield Strength [MPa]	Elongation A [%]	Hardness As welded	Hardness After workhardening
400– 650	400-450	30-35	200-250 HV	400-450 HV



SPECIFICATIONS

WELD METAL COMPOSITION (%)

MATERIAL	C	Cr	Ni	Mn	Si	Fe
~1.4370	0.1-0.2	18-20	8-10	7-8	0.8-1	Bal.

FORM OF DELIVERY

GMAW Sizes Ø mm	Weight Spool /	GTAW Rods Ø mm	Weight Package
1.0	15. kg	1.6 x1000	10/5 kg
1.2	15 kg	2.4 x1000	10/5 kg

SPOOL TYPE BS 300

Shielding Gas:

Argon + 2 % CO₂

Argon + 1 % O₂

Disclaimer.

The information and data presented herein are typical or average values. Application suggested are made solely for the purpose of illustration to enable the reader to make his own valuation and are not intended as warranties.

Arcwel reserves the right to alter specification without further notice. **Health & Safety :**

Observe safety regulations (fumes) MSDS available on request www.arcwel.com E-mail: office@arcwel.com