

TECHNICAL DATA SHEET

AWS /ASTM A5.10:ER5183
 DIN 1732:SG-AL Mg 4,5%Mn Werks 3.3548
 BS2901 Pt. 4: 5183

DESCRIPTION: Aluminium wires to weld when high strength and resistance to Sea water corrosion are required.									
USE: Shipbuilding, railways, car industry									
Material to be welded Al Mg 4,5 Mn – Al Mg 5 – Al Mg 2 Mn 0,8 Al Zn Mg 1 – Al Zn Mg Cu 0,5 – Al Mg Si 0,5 Al Mg Si1–G-Al Mg10–G-Al Mg5–G-Al Mg3 Si G-Al Mg 5 Si	Shielding gas for Gmaw/Gtaw Ar 99,95% min Ar 75% + He 25% Ar 50% + He 50%								
ANALISI CHIMICA DI COLATA (TIPICA) <i>Analyse de colée / Cast analysis / schmelzanalyse</i>									
Al	Si	Fe	Mg	Zn	Cu	Mn	Cr	Ti	Be
Rem	<0.25	<0.40	4,30-5.25	<0.25	<0.05	0.60-1.00	0.05-0.25	0.07-0.15	<0.0008
VALORI MINIMI DELLE CARATTERISTICHE MECCANICHE (METALLO SALDATO) <i>Valeurs Min des Propriétés mecaniques du metal soudé / Min . Values of the meccanical properties (welded metal)</i>									
TENSILE STRENGHT(Rm) N/mm2 resistenza alla trazione(Rm) N/mm2 275	YELD STRENGHT Rp 0.2 N/mm2 Resistenza allo snervamento N/mm2 125	ELONGATION L=5d (%) allungamento L=5d (%) 17							
Available sizes: Mig: 0.80 – 2.40 mm Tig Rods: 1.60 – 4.00 mm Packaging: Mig 0.5(D-100) – 7 Kgs (BS/D 300) TIG Rods: 2.5/kgs tubes APPROVALS: TUV,CE,ABS,LR,ISO 9001									