



TECHNICAL DATA SHEET
 DIN EN ISO 18273: **S AI 5087 A**
 Al Mg 4,5 Mn Zr
 NO EQUIVALENT IN AWS A 5.10

DESCRIPTION:	Aluminium used to weld Al alloys with max Mg content of 5 %. The Zirconium acts as a grain-refiner to improve the bending and the corrosion resistance.									
USE:	Ship building, off shore, railways and automotive industries									
Material to be welded					Shielding gas for Gmaw/Gtaw					
Al Mg 4,5 Mn – Al Mg 5 Mn– Al Zn Mg Cu 1,5 – Al Mg 5 Mn G-Al Mg3 Si – G-Al Mg 5 Si- G-Al Mg10- Al Mg 1 Si Cu Al Mg Mn- Al Zn Mg1- Al Mg 3 – Al Mg 5					Ar 99,99% min Ar 75% + He 25% Ar 50% + He 50%					
CHEMICAL ANALYSIS (TYPICAL) <i>Analyse de colée / Cast analysis / schmelzanalyse</i>										
Al Rem	Mg 4,50-5,10	Zr 0,10-0,20	Fe <0,40	Si <0,25	Zn <0,2 5	Cu <0,05	Mn 0,70-0,10	Cr 0,05-0,25	Ti <0,15	Be <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 Resistenza alla trazione(Rm) N/mm ₂			YELD STRENGHT Rp 0.2 N/mm ₂ Resistenza allo snervamento N/mm ₂				ELONGATION Allungamento L=5d (%)			
275			125				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							