

KEY FEATURES

- Designed to meet the tensile strength requirements of high magnesium alloys
- For 5083 and 5654 base materials

ADVANTAGE INDALCO

- All-position aluminum MIG wire
- Superior wire surface finish for the best feedability and arc performance
- Optimal manufacturing process to precisely control chemical composition
- State-of-the-art testing equipment to ensure trouble-free performance of the weld wire
- Manufactured under a quality system certified to ISO 9001 requirements

TYPICAL APPLICATIONS

- Marine fabrication and repair
- Cryogenic tanks
- Shipbuilding and other high strength structural aluminum applications
- Railway Industry
- Automotive Industry
- Trailer Industry and Offshore

CONFORMS TO

AWS/ASTM A5.10/A5.10M:1999
EN ISO 18273:2004

APPROVALS FOR 5183

TUV

DB DEUTSCHE BAHN
CWB CANADIAN WELDING BUREAU
ABS AMERICAN BUREAU OF SHIPPING
LR LLOYD'S REGISTER
GL GERMANISCHER LLOYD
DNV DET NORSKE VERITAS
BV BUREAU VERITAS
KR KOREAN REGISTER OF SHIPPING

WELDING POSITIONS

All

SHIELDING GAS

- 100% Argon
- Argon/Helium Mixtures
- Flow Rate: 30 - 50 CFH (14.2 - 23.6 L/min)

DEPOSIT COMPOSITION		%Al	%Si	%Fe	%Cu	%Mn	%Mg	%Cr	%Zn	%Ti	%Be
Aluminum Association	5183	Remainder	0.4 Max.	0.4 Max.	0.1 Max.	0.05-1.0	4.3-5.2	0.05-0.25	0.25 Max.	0.15 Max.	0.0003
AWS/ASTM A5.10 1999/A5.10M 1999	ER5183										
EN ISO 18273:2004 Numeral	S Al 5183										
EN ISO 18273:2004 Chemical	AlMg4,5Mn0,7(A)										
EN 573.3	EN AW-AlMg4,5Mn										
Typical Performance		Remainder	0.05	0.12	0.005	0.66	4.8	0.08	0.005	0.08	<0.0003