



ORDER # : 257743  
PART NUMBER: 242206365

CUSTOMER NAME: PACIFIC INDUSTRIAL SUPPLIES  
UNIT 1/19 CHIPLEY STREET  
SMITHFIELD NSW 2164  
AUSTRALIA

CUSTOMERS ORDER NO: 40232  
DIAMETER & LENGTH: .072  
TRADE NAME: CORESHIELD  
TYPE : 8  
WEIGHT: 19,800  
LOT NO: 82001  
CLASSIFICATION : E71T-8  
TEST KEY : 5857900000A

This material conforms to :  
AWS A5.20-95

CHEMICAL ANALYSIS :

Carbon	.2028
Manganese	.4715
Chromium	.0303
Nickel	.0173
Silicon	.1604
Columbium	.0036
Tantalum	.0010
Molybdenum	.0109
Copper	.0500
Titanium	.0674
Phosphorus	.0041
Sulphur	.0029
Vanadium	.0097
Cobalt	.0030
Aluminium	.7850

( P=Predicted/W=Wet )

RADIOGRAPHY :

XRAY Satisfactory

TENSILE REQUIREMENTS:

AS WELDED

MIN YIELD(psi) : 58000  
MIN YIELD(MPa) : 400  
MIN TENSILE(psi) : 70000  
MIN TENSILE(MPa) : 480  
MIN ELONG : 22.0

MAX TENSILE(MPa) :

TENSILE RESULTS :

AS WELDED

CALCULATE YIELD(psi) : 68000  
CALCULATE YIELD(Mpa) : 469  
CALCULATE TENSILE(psi) : 78500

The ESAB Group, Inc.

1500 Karen Lane  
Hanover, PA 17331  
www.esab.com  
Fax: 1-800-444-8911  
Phone: 1-800-123ESAB

By:

*K. Wildasin*  
K. Wildasin, Supervisor, Q.A. Services



## CERTIFICATE OF ANALYSIS



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CALCULATE TENSILE(Mpa) : 542  
% ELONGATION : 25.0  
% REDUCTION OF AREA : 57.5

CHARPY V-NOTCH REQUIREMENTS:AS-WELDED :

CVN TEMPERATURE (F) : -20  
CVN TEMPERATURE (C) : -29  
CVN AW MIN (FT-LBS) : 20  
CVN AW MIN (JOULES) : 27

CHARPY V-NOTCH RESULTS:AS-WELDED :

TEMP (F)	FT-LBS	TEMP (C)	JOULES	GAS
-20	44	-29	60	

FILLET : Satisfactory

This material is certified to be free of any mercury.

The undersigned certifies that the product supplied will meet the requirements of the applicable AWS Filler Metal Specification when tested in accordance with that specification, and that no significant change has been made in the elements described in the qualification approval

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