

## CERTIFICATE OF ANALYSIS

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ORDER # : 242892  
PART NUMBER: 242206357

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

CUSTOMERS ORDER NO: 31853  
DIAMETER & LENGTH: 1/16  
TRADE NAME: CORESHIELD  
TYPE : 8  
WEIGHT: 9,450  
LOT NO: 81326  
CLASSIFICATION : E71T-8  
TEST KEY : 5850520000A

This material conforms to :  
AWS A5.20-95

CHEMICAL ANALYSIS :

Carbon	.2006
Manganese	.4723
Chromium	.0152
Nickel	.0162
Silicon	.1508
Columbium	.0028
Tantalum	.0020
Molybdenum	.0082
Copper	.0360
Titanium	.0701
Phosphorus	.0041
Sulphur	.0033
Vanadium	.0099
Cobalt	.0033
Aluminium	.8500

( 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	MAX TENSILE (MPa) :
MIN ELONG :	22.0	

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  
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Fax: 1-800-444-8911  
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By: K. Wildasin

K. Wildasin, Supervisor, Q.A. Services



## CERTIFICATE OF ANALYSIS

ORDER # : 242892  
PART NUMBER: 242206357CALCULATE TENSILE (Mpa) : 542  
% ELONGATION : 25.0  
% REDUCTION OF AREA : 57.5CHARPY V-NOTCH REQUIREMENTS:AS-WELDED :CVN TEMPERATURE (F) : -20  
CVN TEMPERATURE (C) : -29  
CVN AW MIN (FT-LBS) : 20  
CVN AW MIN (JOULES) : 27CHARPY 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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