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MATERIAL CERTIFICATION AND CERTIFICATE OF CONFORMANCE

Jun-30-2025

Customer: TFC LTD

Ship to: TFC LTD
HALE HOUSE
GHYLL INDUSTRIAL ESTATE
01144143586620
WWW.TFC.EU.COM
HEATHFIELD E SUSSEX, TN21 8AW
UNITED KINGDOM

Account: 2393

Customer PO: 2371441

Customer Part: YNSSB-0205L2-S17-X

Revision: NO PRINT

Supp Revision:

PO Line#: 6

Item Description

Customer Order: CO03390169

Line: 6

Smalley Part: NSSB-0205-L2-S17

Material: 17-7 PH STAINLESS STEEL, CONDITION CH 900

Revision: -

Lot Number(s): 10,000 PCS SHIPPED FROM LOT J032700770-0001

Alternate Part:

Material Description

Roll Job/PO: R000004893-0001

Heat: 564308

Wire Size: Fx177x024x148

Chemical Composition per	Mechanical Properties per	Heat Treatment per	DFARs 252.225-7014, ALT1 Compliant DFARs 252.225-7009 Compliant	Country of Melt
AMS5528J, AMS5529L, ASTM A313/313M-18	AMS 5529K, MIL-S-25043	AMS 5529K, AMS-H-6875 900°F +10/-10°F FOR 60-70	YES	SWEDEN

Mechanical Properties:

Tensile Strength (psi)			Hardness		
Tensile Before	Tensile After HT1	Tensile After HT2	Hardness Before (HRC)	Hardness After HT1 (HRC)	Hardness After HT2 (HRC)
227530	279582	N/A	45	48.7	N/A
Yield Strength @ 0.2% Offset (psi)			Elongation in 2 inches (%)		
Yield Before	Yield After HT1	Yield After HT2	Elongation Before	Elongation After HT1	Elongation After HT2
210679	265351	N/A	1.2	1.3	N/A

Chemical Analysis:

C	Mn	Si	P	S	Cr	Ni	Mo	Ti	B	V
.079	.86	.26	.024	.0005	16.55	7.65	.16	N/A	N/A	N/A
Co	Al	Cu	Zr	Fe	N	Sn	Be	Nb	Ta	W
N/A	.88	.094	N/A	BALANCE	N/A	N/A	N/A	N/A	N/A	N/A

Notes



PASSED

SIG.

DATE: 01 JUL 2025

J. Smyer

Smalley Steel Ring Company certifies that the material used and/or work performed by Smalley conforms, as applicable, to (1) Smalley's specifications for stocked products, or (2) Buyer's specifications for the specific products if Provided by Buyer to Smalley and/or the specifications on the drawing. Smalley assumes no liability for specifications agreed upon, reviewed or provided by Buyer. Test and/or inspection reports are on file with Smalley or its suppliers for examination. Material, to the best of Smalley's knowledge, is free of Mercury contamination.

Leo Gelera