

AFC Europe

INITIAL SAMPLE REPORT - DIMENSIONAL

ISIR 19391

AFC PART NUMBER	YNSSB-0205L2S17-X
CUSTOMER PART NUMBER	
SUPPLIER / MANUFACTURER	AFC Europe /
PART DESCRIPTION	Wave Spring - Nested, Metric, 17/7PH S/St
I.R. CERT NO.	CO03390169
I.R. BATCH NO.	J032700770-0001

[illegible]

Total quantity checked:	10		
Inspector:	Andy Seymour		
Date:	07 July 2025		
Conforms to customer requirement	<input checked="checked" type="checkbox"/> Yes	<input type="checkbox"/> No	Reason:

ISO 9001, AS9120 and AS9100 REGISTERED



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Lake Zurich, IL 60047 USA
+1 847-719-5900
quality@smalley.com

MATERIAL CERTIFICATION AND CERTIFICATE OF CONFORMANCE

Jun-30-2025

Customer: TFC LTD

Ship to: TFC LTD
HALE HOUSE
GHYLL INDUSTRIAL ESTATE
011441435866620
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	270582	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

[Signature]

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.

Full Traceability Certificate for Delivery Note: 7153715



Deliver To:

Specialist Tooling Technologies Ltd
Unit 2, Park 32
Park Road
Pontefract
West Yorkshire
WF8 4PS

Hale House, Ghyll Industrial Estate, Heathfield,
East Sussex, TN21 8AW, United Kingdom
Tel: +44 (0) 1435 866011 Fax: +44 (0) 1435 866620
Email: sales@tfc.eu.com Web: www.tfc.eu.com

Your Order No.

36126

Our Order No.

1890735

Account No.

SPEC14

Date:

01/07/2025

Page:

1

Ordered	Shipped	TFC Product Code	Your Part Code
10	10	YNSSB-0205L2S17-X	
		Wave Spring - Nested, Metric, 17/7PH S/St	
Our Ref:	23941634	- Lot No:	@CO03390169/J032700770-0001 Qty: 10
1	1	FREIGHT	
		Carriage and Packing Charge per despatch	
1	1	CERT	
		Certification charge	

Full Traceability Certificate

Certified that the products detailed are supplied with full batch/lot traceability and covered by the sources of Certificates of Conformity referenced hereon and have been subjected to the quality requirements in accordance with the conditions of our Stockists registration ISO 9001

Where marked *, the products have been purchased from a recognised Quality Assured Source

Signed on behalf of TFC Ltd:

Date

- 7 JUL 2025

