McMASTER-CARR®

Certificate

330-995-5500
330-995-9600 (fax)
cle.sales@mcmaster.com

Purchase Order	Order Date	Placed By	McMaster-Carr Number	Number of Certificates
P1588850	11/6/2026	Jenny Mills	8419698-02	1

Line		Product	Ordered	Status	Certificate
13	93776A500	18-8 Stainless Steel Serrated Flange Nuts, 1/2"-13 Thread Size	3 packs	3 packs deliver November 9	415–4469

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

STARSTAINLESS SCREW CO.



Inspection Certificate

Supplier# D-560

Inspection certificate and test report

Contract No.:	SNFT25-20385	Date:	SEPT.11,2025
P.O. No.:	210998	Invoice No:	I25-20195
Commodity:	304 Stainless Steel Serrated Hex Flange Nut	Material Type:	304
Size:	1/2-13	Heat No.:	DY250611AM17-E1
Part No.:	1-FLN-50C	Head Mark:	NS 304

Dimensional Inspection Specification: ANSI/ASME B 18.2.2-2a — Unit: mm

Characteristics	Specified	Actual Result	Acc.	Rej.
Visual Appearance	ASTM F812/F812M	PASS	100	0
Go Guage	2B	PASS	32	0
No-go Guage	2B	PASS	32	0
Width Across Flats	18.7-19.05	18.89-18.99	8	0
Width Across Corners	21.34min	21.52-21.62	8	0
Thickness	11.1-11.63	11.55-11.60	8	0
Flange Outer Diameter	25.4-26.18	25.78-25.94	8	0
Flange Thickness	1.27min	1.58-1.67	8	0

Inspection Result:Sample tested conform to all of the specification as above.

Chemical Analysis%

Heat Number	C X100	SI X100	MN X100	P X1000	S X1000	NI X100	CR X100	MO X100	TI X100
DY250611AM17-E1	2.1	30	98	36	1	802	1817		

Mechanical Properties According to ASTM F594 Specification

Item	Proof Load (KSI)	Hardness (HRB-HRC)
Standard	100	B95-C35
Test Result	100	C32

Country of Melt for the material:China

Materials cleaned, descaled and passivated acc. to ASTM A380 standard

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND TO THE ITEM(S) TESTED ONLY.THIS TEST REPORT WAS PREPARED FOR STAR STAINLESS SCREW COMPANY BY VENDOR #D-560.WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURE FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR,THEY WILL BE SHOWN IN REMARK.