



<p>Description <i>M12 DIN 934-18 Full nuts zinc plated</i> <i>Batch No. B20027886</i></p> <p>The test item was submitted to the laboratory for: <input type="checkbox"/> Fasteners - Nuts Tension</p>	<p>Specification: Din 267-4 Requirements:</p> <p>Date Sample(s) Received: 11/01/2019 Date(s) tested: 17/01/2019</p>	<p>Tested For: C ADAMS & SONS (MIDLANDS) LTD POTTERS LANE WEDNESBURY WEST MIDLANDS WS10 7LH</p>
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Sample: 19-00503-001

Fasteners - Nuts Tension

Tested in accordance with: BS EN ISO 898-2 - 2012

Sample ID	Proof load [N]	Comment	Observation
#1	67000	Nut was removed by hand	Resisted proof load without thread stripping or nut fracture

Comments: Test results conform to specification

**REPORT ISSUED AND
AUTHORISED BY**

Chris Jones
Technician



ITEM	DESCRIPTION	SIZE	SPECIFICATION	REPORT NUMBER	88937	ISSUE	1	PAGE	1	OF	1	
1	Hexagon Full Nut	M10 – 1.5mmp	DIN 267 – Part 4 Grade 8	REPORT DATE	06.05.11	SAMPLE RECEIPT DATE	05.05.11	CUSTOMER	C. Adams & Sons (Midlands) Limited Potters Lane Wednesbury West Midlands, WS10 7LH.			
				ACCOUNT NO.	A009							
				ORDER NO.	W 24086							

MECHANICAL TESTS in accordance with: DIN 267 – Part 4

ITEM	PROOF LOAD
UNIT	46,000 Newtons
1	Satisfactory – The thread withstood the load
COMMENT: The proof load test result conforms to specification.	

Report Compiled By

W.K.LAWLEY (Technician)

Report Approved By

R K PRATT (Technologist Supervisor)

C. ADAMS & SONS LIMITED
CERTIFICATE OF INSPECTION

Certificate No: 201811261000

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Customer:			
Commodity:	ISO4032-10 HEXAGON NUTS STYLE 1 MARKED"CA 10SB" BLACK BULK (TARIC CODE : 7318 169999)		
Size:	39	Contract No.:	70021324
Grade:	10	Invoice No.:	
Head Marks:	CA 10SB	Lot No.:	WW0002283
Surface finished:	BLACK	Order No.:	
Quantity:		Date:	2018-11-26

Percentage Composition Of Chemicals								
Material	Heat No.	C	Si	Mn	S	P		
45#	11801151A	0.46	0.25	0.580	0.006	0.008		

Dimensional Inspection:ISO4032						
Inspection Items	Sample	Standard		Test Result		Remarks
		Min.	Max.	Min.	Max.	
Thickness (n)	13	31.8	33.4	32.87	33.11	PASS
Width across corners	13	66.4	/	67.82	68.05	PASS
Width across flats	13	58.8	60	58.94	59.05	PASS
Threads	13	6H		go gauge		PASS
		6H		no gauge		PASS

Mechanical Property: ISO898-2-2012						
Inspection Items	Sample	Standard		Test Result		Remarks
		Min.	Max.	Min.	Max.	
Hardness [HV]	3	272	353	298	312	PASS
Proof Load [KN]	3	1035	/	1035	/	PASS

Surface Finish:							
Surface Finished:	Thickness	Sample	Standard		Test Result		Remarks
			Min.	Max.	Min.	Max.	

Inspection certificate is acc. to EN10204-3.1.

The product described above has been tested and complies with the terms/conditions of order/contract

Quality Control Department:  **Adams**