

**Bremick Pty Ltd**

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**ATTESTATION OF PRODUCT CONFORMITY****TEST REPORT NUMBER:** 56786-24K08-824101374**DATE OF ISSUE:** 28/01/2025**CERTIFICATE NUMBER:** 00120Q31689R6M/3302

Bremick Fasteners manufactured K0 CL.8 STRUCTURAL NUTS M24, job number 56786 to meet the technical requirements of AS/NZS 1252.1:2016, and comply with the verification testing requirements of AS/NZS 1252.2:2016.

Initial Type Third Party Testing has been conducted by Ningbo Zhongji Inspection of Machinery Parts Co, Ltd, an ILAC accredited laboratory.

The Assembly Test requirements (as required by AS/NZS1252.2:2016) have also been conducted by the same ILAC Laboratory.

The remainder of the testing requirements for AS/NZS 1252.2:2016 have been performed by the Bremick NATA accredited Laboratory that complies to ISO/IEC 17025. The Bremick NATA accreditation number is 15567.

**Product K0 CL.8 STRUCTURAL NUTS M24, job number 56786 has been tested and complies with AS/NZS 1252.1:2016 and AS/NZS 1252.2:2016 and are supported by the attached documentation.**

Authorised Bremick representative



Afshin Mohammadiazar,  
Quality and Technical Manager

Structural Assembly K0 Range

TEST REPORT No:56786-24K08-824101374

DATE OF ISSUE:28/01/2025

HEAD No:

Product Information

CODE	NSTMG24K082	JOB NUMBER	56786
DESCRIPTION	K0 CL.8 STRUCT NUT GAL M24	MANUFACTURE LOT QTY	9000
STANDARD	AS 1252.1-2016	TEST QTY	0
QUALITY SYSTEM	GB/T19001-2016/ISO9001:2015	CERTIFICATE NUMBER	00120Q31689R6M/3302

Chemical Composition

Complies to ISO898.1~2/AS4291.1~2

PART	HEAT No	C %	Mn %	P %	S %	B %
REQUIRED		N/A	N/A	N/A	N/A	N/A
BOLT	N/A	N/A	N/A	N/A	N/A	N/A
REQUIRED		0.58 max	0.25 min	0.060 max	0.150 max	N/A
NUT	824101374	0.34	0.79	0.009	0.007	0
REQUIRED		N/A	N/A	N/A	N/A	N/A
WASHER	N/A	N/A	N/A	N/A	N/A	N/A

Mechanical Properties

Tested to AS/NZS1252.1-2016 Table B1

BOLT			NUT		
TEST	REQUIREMENT	RESULT	TEST	REQUIREMENT	RESULT
Hardness	N/A	N/A	Hardness	24~36 HRC	30-31
Wedge Test	N/A	N/A	Proof Stress (min)	1165 MPa	PASS
Yield	N/A	N/A	WASHER		
Proof Stress	N/A	N/A	Hardness	N/A	N/A

Hardness Test to ASTM E18     - Wedge test and proof load to ISO 898-1, Nut proof load test to AS 1252.1-2016

Assembly Test

Tested to AS/NZS1252.1-2016

TEST CONDITIONS				REQUIREMENT			RESULTS		
CLAMP LENGTH (mm)	No. OF SHIMS	ROTATION SPEED	LUBRICATION CONDITIONS	BOLT LENGTH	MIN NUT Rotation °	TENSION kN MINIMUM	SAMPLE No.	NUT ROTATION DEGREES	BOLT TENSION (kN)
N/A	N/A	N/A	N/A	N/A			SAMPLE 1	N/A	N/A
							SAMPLE 2	N/A	N/A
							SAMPLE 3	N/A	N/A
							SAMPLE 4	N/A	N/A
							SAMPLE 5	N/A	N/A

Visual, Dimensions, Coating & Markings

VISUAL INSPECTION ISO 6157-1. 2.		DIMENSIONS AS/NZS1252-2016	COATING COMPLIES TO AS/NZS1214 REQUIREMENT 50 min		MARKINGS
PART			TYPE	Av µm	
BOLT	N/A	N/A	HDG	N/A	N/A
NUT	PASS	PASS	HDG	61	Nut : BF 8 THREE ARC LINES
WASHER	N/A	N/A	HDG	N/A	N/A

This certificate complies with AS/NZS1252.1-2016  
\*The results relate only to the item tested\*

Name: Afshin Mohammadiazar  
Position: Quality Manager

Signature :  


# TEST REPORT

TEST REPORT No: 56786-24K08-824101374

DATE OF ISSUE: 28/01/2025

## PRODUCT DETAILS

ITEM CODE	NSTMG24K082	DESCRIPTION	K0 CL.8 STRUCT NUT GAL M24
BOLT HEAT No.		MATERIAL STANDARD	AS/NZS 1252-2016
NUT HEAT No.	824101374	JOB No.	56786
WASHER HEAT No.		HEAD MARK	

## NUT

### PROOF LOAD

TEST DATE: 21/03/2025

DESCRIPTION	Proof load testing of Nut to SOP 22-09, AS/NZS 1252.1 and ISO 898.2		TEST TEMP °C
TEST METHOD	Proof load to ISO 898.2 and ISO 6892-1		25
REQUIREMENTS	Minimum hold time 15 seconds - Minimum proof load		411.20 kN
	PROOF LOAD (Kn)	NUT REMOVED BY FINGER	COMPLIANCE
SAMPLE 1	PASS	YES	COMPLIES
SAMPLE 2	PASS	YES	COMPLIES
SAMPLE 3	PASS	YES	COMPLIES

### HARDNESS

TEST DATE: 12/03/2025

DESCRIPTION	K0 CL.8 STRUCT NUT GAL M24- AS/NZS 1252-2016				
TEST METHOD	Rockwell Hardness test using scale "C" from 98N to 147N by the methods of ASTM E18				
REQUIREMENTS	24 - 36 HRC				
	AVERAGE * HARDNESS (HRC)	COMPLIANCE	SAMPLE	AVERAGE * HARDNESS (HRC)	COMPLIANCE
SAMPLE 1	30	COMPLIES	SAMPLE 5	31	COMPLIES
SAMPLE 2	31	COMPLIES	SAMPLE 6	31	COMPLIES
SAMPLE 3	32	COMPLIES	SAMPLE 7	29	COMPLIES
SAMPLE 4	30	COMPLIES	SAMPLE 8	33	COMPLIES

\* Average of 3 measurements per sample

Signed:



Afshin Mohammadiazar

Accredited for compliance with  
ISO/IEC 17025 - testing.  
NATA Accredited Laboratory 15567



Issue Date:

28/01/2025

Note that this report is based on the products supplied to the laboratory and it remains the responsibility of the client to ensure the samples presented are representative of the whole batch. Reproduction of this report, other than in its entirety, must be approved by Bremick Pty Ltd

\*The results relate only to the item tested\*



M5/M7 Logistics Park, Warehouse 4B, 290 Kurrajong Road, Prestons NSW 2170



客户名称 Sold To		上海资申实业有限公司								产品名称 Product		热轧盘条 Hot rolled wire rods											
收货单位 Consignee		上海资申实业有限公司								提货编单号 Delivery no.		FB2411120796			证明书编号 Certificate no.		241112Q00578						
执行标准 Spec.		ZTJX-24-5021		牌号 Grade		10B33		加工用途 Purpose				客户编号 Customer no.		0201187			订单编号 Order no.		02411121035				
												客户采购案号 Cust Order No.					证明书日期 Issue Date		20241112				
生产许可证号 Approvalcerf No.				钢筋标识 Bar Mark								交货状态 Cond. Of Supply		热轧			车船号 Train/Ship No.		苏G7782E				
项次 Item No.	轧制序号 Lot No.	炉号 Heat No.		尺寸及规格Material Description			化学成分 % Chemical Analysis											*A01 屈服 强度 (Re)	*A02 抗拉 强度 (Rm)	*A03 断后 伸长 率(A)	*A05 断面 收缩 率(Z)	*E09 总脱 碳层 深度	*O01 冷顶 锻试 验
				C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Al	Ti	B								
规格 Specification				X10 <sup>-2</sup>	X10 <sup>-2</sup>	X10 <sup>-2</sup>	X10 <sup>-3</sup>	X10 <sup>-3</sup>	X10 <sup>-2</sup>	X10 <sup>-2</sup>	X10 <sup>-2</sup>	X10 <sup>-2</sup>	X10 <sup>-3</sup>	X10 <sup>-3</sup>	X10 <sup>-4</sup>	MPa	MPa	%	%	mm			
				30 36	30 MAX	70 100	25 MAX	25 MAX	10 30	20 MAX	20 MAX	10 MAX	20 MIN	20 MIN	8 35					0.24 MAX			
001	K2409280017	824091147	Φ24mm	1	2.339	34	7	78	16	4	18	2	2	0	23	32	25	313 306 / 					