

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0127B3T1X0P0800	PO# NO:
SIZE: M8	MATERIAL TYPE: A2(304)	ITEM NO: 94457
MARKING: NO MARK	SHIP QTY: 30000 PC	HEAT NO: S241114AA20
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN127-1987	LOT NO: C20250402W741
MFR. DATE: 2025/03/27	Product Name: Lock Washers Type B-SquareEnds	Surface: Passivated
Sampling Date: 2025/04/02	Test Date: 2025/04/02	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS (mm)	SPECIFICATION	SAMPLE STANDARD: ACTUAL RESULT	SAMPLE DETERMINANT
CHARACTERISTICS			
Incision width	1.05 max	1.05 <---> 1.05	Qualified

DIMENSIONAL INSPECTIONS (mm)	SPECIFICATION	SAMPLE STANDARD: ACTUAL RESULT	SAMPLE DETERMINANT
CHARACTERISTICS			
INNER DIAMETER	8.1 <---> 8.5	8.33 <---> 8.35	Qualified
OUTER DIAMETER	14.8 max	14.22 <---> 14.34	Qualified
THICKNESS	1.9 <---> 2.1	2.03 <---> 2.1	Qualified
Height	4 <---> 4.7	4.16 <---> 4.26	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD: ACTUAL RESULT	SAMPLE DETERMINANT
CHARACTERISTICS			
Free Height	3.2 min	3.2 <---> 3.2	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S241114AA20	0.053	0.31	1.01	0.034	0.002	8.01	18.1		00	00	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiaoyang.W

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

Tel: +86-573-82203125	Fax: +86-573-82207588	Web: www.tongming.com.cn	E-mail: export@tongming.com.cn
ADD: 88 ChangSheng RD., E. D. Zone, JiaXing, ZheJiang, China	Zip: 314003		1

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0934N34C6NP0800	PO# NO:
SIZE: M8-0.75	MATERIAL TYPE: A2(304)	ITEM NO: 268167
MARKING: A2-70 THE	SHIP QTY: 4800 PC	HEAT NO: 216267
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN934-1987	LOT NO: C217861170001
MFR. DATE: 2022/01/06	Product Name: Hex Nuts	Surface: Passivated
Sampling Date: 2022/01/12	Test Date: 2022/01/12	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN934-1987	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Width Across Flats	12.73	<---> 13	12.82 <---> 12.85		Qualified
Across Corner		14.38 min	14.45 <---> 14.52		Qualified
Thickness	6.14	<---> 6.5	6.2 <---> 6.23		Qualified
Minor Diameter	7.188	<---> 7.378	7.23 <---> 7.26		Qualified
Pitch Diameter(G0/NOGO)	7.513	<---> 7.645	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-2:2009	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Proof Load(N/mm ²)	700 min	PASSED		Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
216267	0.021	0.37	0.98	0.034	0.002	8.01	18.18	0.08	0.77	0.034	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Sampler

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP05001600	PO# NO:
SIZE: M5-0.8 X 16	MATERIAL TYPE: A2(304)	ITEM NO: 392
MARKING: A2-70 THE	SHIP QTY: 6500 PC	HEAT NO: S231114AA23
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C225109250002
MFR. DATE: 2024/02/17	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2024/02/23	Test Date: 2024/02/23	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Head Diameter	8.28	<--->	8.72	8.45 <--->	8.49	Qualified
Head Height	4.82	<--->	5	4.91 <--->	4.95	Qualified
Nominal Length	15.65	<--->	16.35	16 <--->	16.1	Qualified
Drive Depth			2.5 min	2.88 <--->	2.94	Qualified
Drive Width	4.02	<--->	4.09	4.04 <--->	4.06	Qualified
Major Diameter	4.826	<--->	4.976	4.88 <--->	4.9	Qualified
Pitch Diameter(GO/NOGO)	4.361	<--->	4.456	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700	min	1002 <--->	1030	Qualified
Yield Strength(N/mm ²)	450	min	908 <--->	926	Qualified
Elongation after fracture(mm)	2	min	3 <--->	4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S231114AA23	0.014	0.27	0.94	0.031	0.002	8.02	18.36	0.03	0.33	0.063	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu.Wu

Sampler

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0931N316CNP12006000	PO# NO:	
SIZE:	M12-1.75 X 60	MATERIAL TYPE:	A4(316)	ITEM NO:	2560
MARKING:	A4-70 THE	SHIP QTY:	200 PC	HEAT NO:	NY241114AV16
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN931-1987	LOT NO:	C737708750001
MFR. DATE:	2024/11/17	Product Name:	Hex Head Bolts with Shank	Surface:	Passivated
Sampling Date:	2024/11/23	Test Date:	2024/11/23	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN931-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	18.67	<---> 19	18.74	<---> 18.82	Qualified
Across Corner		21.1 min	21.44	<---> 21.56	Qualified
Head Height	7.32	<---> 7.68	7.51	<---> 7.55	Qualified
Body Diameter	11.73	<---> 12	11.84	<---> 11.87	Qualified
Length of Thread	30	<---> 38	31.13	<---> 31.55	Qualified
Nominal Length	59.4	<---> 60.6	59.51	<---> 59.7	Qualified
Major Diameter	11.701	<---> 11.966	11.854	<---> 11.881	Qualified
Pitch Diameter(GO/NOGO)	10.679	<---> 10.829	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.31	<---> 0.34	Qualified
washer face diameter		17.4 min	17.53	<---> 17.56	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)		700 min	948	<---> 963	Qualified
Yield Strength(N/mm ²)		450 min	800	<---> 810	Qualified
Elongation after fracture(mm)		4.8 min	5	<---> 6	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY241114AV16	0.027	0.37	1.03	0.033	0.001	10.02	16.22	2.01	0.37	0.035	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yuncong. Zh

Sampler

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ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0931N316CNP12006000	PO# NO:	
SIZE:	M12-1.75 X 60	MATERIAL TYPE:	A4(316)	ITEM NO:	2560
MARKING:	A4-70 THE	SHIP QTY:	300 PC	HEAT NO:	NY241114AV16
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN931-1987	LOT NO:	C737778850001
MFR. DATE:	2024/11/21	Product Name:	Hex Head Bolts with Shank	Surface:	Passivated
Sampling Date:	2024/11/27	Test Date:	2024/11/27	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN931-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	18.67	<---> 19	18.85	<---> 18.88	Qualified
Across Corner		21.1 min	21.54	<---> 21.58	Qualified
Head Height	7.32	<---> 7.68	7.47	<---> 7.53	Qualified
Body Diameter	11.73	<---> 12	11.82	<---> 11.84	Qualified
Length of Thread	30	<---> 38	31.21	<---> 31.24	Qualified
Nominal Length	59.4	<---> 60.6	59.49	<---> 59.83	Qualified
Major Diameter	11.701	<---> 11.966	11.838	<---> 11.851	Qualified
Pitch Diameter(GO/NOGO)	10.679	<---> 10.829	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.41	<---> 0.43	Qualified
washer face diameter		17.4 min	17.77	<---> 17.8	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		963	<---> 978	Qualified
Yield Strength(N/mm ²)	450 min		813	<---> 825	Qualified
Elongation after fracture(mm)	4.8 min		5	<---> 6	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY241114AV16	0.027	0.37	1.03	0.033	0.001	10.02	16.22	2.01	0.37	0.035	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Yuncong. Zh

Sampler

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PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0931N316CNP1000D130B	PO# NO:	
SIZE:	M10-1.5 X 130	MATERIAL TYPE:	A4(316)	ITEM NO:	314343
MARKING:	A4-70 THE	SHIP QTY:	240 PC	HEAT NO:	S241027AA07
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN931-1987	LOT NO:	C738120550001
MFR. DATE:	2024/12/17	Product Name:	Hex Head Bolts with Shank	Surface:	Passivated
Sampling Date:	2024/12/23	Test Date:	2024/12/23	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN931-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<---> 17	16.8	<---> 16.82	Qualified
Across Corner	18.9 min		19.3	<---> 19.36	Qualified
Head Height	6.22	<---> 6.56	6.48	<---> 6.53	Qualified
Body Diameter	9.78	<---> 10	9.88	<---> 9.92	Qualified
Length of Thread	32	<---> 39	33.7	<---> 33.72	Qualified
Nominal Length	129.2	<---> 130.8	130.3	<---> 130.36	Qualified
Major Diameter	9.732	<---> 9.968	9.752	<---> 9.896	Qualified
Pitch Diameter(GO/NOGO)	8.862	<---> 8.994	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.25	<---> 0.36	Qualified
washer face diameter	15.6 min		15.62	<---> 15.68	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		850	<---> 864	Qualified
Yield Strength(N/mm ²)	450 min		700	<---> 710	Qualified
Elongation after fracture(mm)	4 min		4	<---> 5	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S241027AA07	0.034	0.4	1.07	0.031	0.001	10.03	16.18	2.05	0.35	0.02	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP12003500	PO# NO:	
SIZE:	M12-1.75 X 35	MATERIAL TYPE:	A4(316)	ITEM NO:	2534
MARKING:	A4-70 THE	SHIP QTY:	1200 PC	HEAT NO:	NY240616AS08
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C738744400001
MFR. DATE:	2025/02/20	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/02/26	Test Date:	2025/02/26	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Width Across Flats	18.67	<--->	19	18.78	<--->	18.8	Qualified
Across Corner			21.1 min	21.54	<--->	21.59	Qualified
Head Height	7.32	<--->	7.68	7.58	<--->	7.53	Qualified
Nominal Length	34.5	<--->	35.5	34.94	<--->	35.01	Qualified
Major Diameter	11.701	<--->	11.966	11.802	<--->	11.9	Qualified
Pitch Diameter(GO/NOGO)	10.679	<--->	10.829	PASSED			Qualified
Thickness of washer face	0.15	<--->	0.6	0.32	<--->	0.35	Qualified
washer face diameter			17.4 min	17.42	<--->	17.45	Qualified

MECHANICAL PROPERTIES				SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)			700 min	827	<--->	842	Qualified
Yield Strength(N/mm ²)			450 min	692	<--->	708	Qualified
Elongation after fracture(mm)			4.8 min	5	<--->	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY240616AS08	0.026	0.39	0.95	0.034	0.001	10.03	16.44	2.02	0.3	0.035	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

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ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D7991N316CNP08002000	PO# NO:
SIZE: M8-1.25 X 20	MATERIAL TYPE: A4(316)	ITEM NO: 115463
MARKING: A4-70 THE	SHIP QTY: 2400 PC	HEAT NO: 241229CE03
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN7991-1986	LOT NO: C739117410001
MFR. DATE: 2025/04/13	Product Name: Hex Socket C. S. Head Screws	Surface: Passivated
Sampling Date: 2025/04/19	Test Date: 2025/04/19	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN7991-1986	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Head Diameter	15.57	<---> 16	15.76 <---> 15.87		Qualified
Head Height		4.96 max	4.85 <---> 4.9		Qualified
Nominal Length	19.58	<---> 20.42	19.87 <---> 19.91		Qualified
Drive Depth	3.2	<---> 3.5	3.45 <---> 3.49		Qualified
Drive Width	5.02	<---> 5.14	5.05 <---> 5.08		Qualified
Major Diameter	7.76	<---> 7.972	7.8 <---> 7.83		Qualified
Pitch Diameter(GO/NOGO)	7.042	<---> 7.16	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Tensile Strength(N/mm ²)	700 min	780 <---> 795		Qualified
Yield Strength(N/mm ²)	450 min	630 <---> 640		Qualified
Elongation after fracture(mm)	3.2 min	4 <---> 5		Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
241229CE03	0.033	0.279	0.961	0.0379	0.0007	10.01	16.75	2.03	0.318	0.0291	Qualified

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Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CANP08004000	PO# NO:	
SIZE:	M8-1.25 X 40	MATERIAL TYPE:	A2(304)	ITEM NO:	1368
MARKING:	A2-70 THE	SHIP QTY:	1200 PC	HEAT NO:	DY250405AP08
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739151900001
MFR. DATE:	2025/04/18	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/04/24	Test Date:	2025/04/24	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	12.73	<---> 13.27	12.89	<---> 12.92	Qualified
Head Height	7.64	<---> 8	7.85	<---> 7.9	Qualified
Nominal Length	39.5	<---> 40.5	39.9	<---> 40	Qualified
Drive Depth		4 min	4.4	<---> 4.43	Qualified
Drive Width	6.02	<---> 6.14	6.12	<---> 6.14	Qualified
Major Diameter	7.76	<---> 7.972	7.762	<---> 7.762	Qualified
Pitch Diameter(GO/NOGO)	7.042	<---> 7.16	PASSED		Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		780	<---> 794	Qualified
Yield Strength(N/mm ²)	450 min		630	<---> 640	Qualified
Elongation after fracture(mm)	3.2 min		4	<---> 5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250405AP08	0.012	0.34	0.92	0.027	0.003	8.03	18.19	0.04	0.24	0.058	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

Tel: +86-573-82203125 Fax: +86-573-82207588 Web: www.tongming.com.cn E-mail: export@tongming.com.cn
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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CANP06005000	PO# NO:	
SIZE:	M6-1 X 50	MATERIAL TYPE:	A2(304)	ITEM NO:	880
MARKING:	A2-70 THE	SHIP QTY:	1500 PC	HEAT NO:	DY250504AP20
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739190660007
MFR. DATE:	2025/06/25	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/07/01	Test Date:	2025/07/01	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	9.78	<---> 10.22			9.91 <---> 9.95	Qualified
Head Height	5.7	<---> 6			5.85 <---> 5.89	Qualified
Nominal Length	49.5	<---> 50.5			50.15 <---> 50.17	Qualified
Drive Depth		3 min			3.3 <---> 3.35	Qualified
Drive Width	5.02	<---> 5.14			5.06 <---> 5.08	Qualified
Major Diameter	5.794	<---> 5.974			5.815 <---> 5.896	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324			PASSED	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min			723 <---> 738	Qualified
Yield Strength(N/mm ²)	450 min			580 <---> 592	Qualified
Elongation after fracture(mm)	2.4 min			3 <---> 4	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
DY250504AP20	0.015	0.32	0.91	0.036	0.002	8.01	18.21	0.04	0.26	0.07	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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Zip: 314003

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D09121316CNP08003500	PO# NO:	
SIZE:	M8-1.25 X 35	MATERIAL TYPE:	A4(316)	ITEM NO:	113588
MARKING:	A4-70 THE	SHIP QTY:	1200 PC	HEAT NO:	250321CE11
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739209860001
MFR. DATE:	2025/04/30	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/05/06	Test Date:	2025/05/06	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Head Diameter	12.73	<--->	13.27	13 <--->	13.03	Qualified
Head Height	7.64	<--->	8	7.71 <--->	7.74	Qualified
Nominal Length	34.5	<--->	35.5	35.05 <--->	35.14	Qualified
Drive Depth		4 min		4.5 <--->	4.53	Qualified
Drive Width	6.02	<--->	6.14	6.05 <--->	6.08	Qualified
Major Diameter	7.76	<--->	7.972	7.8 <--->	7.83	Qualified
Pitch Diameter(GO/NOGO)	7.042	<--->	7.16	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		760 <--->	776	Qualified
Yield Strength(N/mm ²)	450 min		610 <--->	620	Qualified
Elongation after fracture(mm)	3.2 min		4 <--->	5	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
250321CE11	0.035	0.278	1.056	0.0375	0.0009	10.03	16.7	2.01	0.321	0.0348	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP16006500	PO# NO:	
SIZE:	M16-2 X 65	MATERIAL TYPE:	A4(316)	ITEM NO:	4058
MARKING:	A4-70 THE	SHIP QTY:	720 PC	HEAT NO:	NY250422AV07
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739237440001
MFR. DATE:	2025/05/06	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/05/12	Test Date:	2025/05/12	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	23.67	<--->	24	23.82 <---> 23.85	Qualified
Across Corner	26.75 min			27.25 <---> 27.3	Qualified
Head Height	9.82	<--->	10.18	9.95 <---> 9.98	Qualified
Nominal Length	64.4	<--->	65.6	65.25 <---> 65.29	Qualified
Major Diameter	15.682	<--->	15.962	15.715 <---> 15.796	Qualified
Pitch Diameter(GO/NOGO)	14.503	<--->	14.663	PASSED	Qualified
Thickness of washer face	0.2	<--->	0.8	0.72 <---> 0.75	Qualified
washer face diameter	22.5 min			22.52 <---> 22.55	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		770 <---> 784		Qualified
Yield Strength(N/mm ²)	450 min		620 <---> 630		Qualified
Elongation after fracture(mm)	6.4 min		7 <---> 8		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY250422AV07	0.03	0.29	1.14	0.038	0.001	10.01	16.42	2.02	0.28	0.033	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CANP08006500	PO# NO:
SIZE: M8-1.25 X 65	MATERIAL TYPE: A2(304)	ITEM NO: 1391
MARKING: A2-70 THE	SHIP QTY: 540 PC	HEAT NO: S250504AA07
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739308070003
MFR. DATE: 2025/05/18	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/05/24	Test Date: 2025/05/24	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	12.73	<---> 13.27			12.8 <---> 12.82	Qualified
Head Height	7.64	<---> 8			7.85 <---> 7.87	Qualified
Nominal Length	64.4	<---> 65.6			65.05 <---> 65.09	Qualified
Drive Depth		4 min			4.02 <---> 4.05	Qualified
Drive Width	6.02	<---> 6.14			6.06 <---> 6.08	Qualified
Major Diameter	7.76	<---> 7.972			7.815 <---> 7.889	Qualified
Pitch Diameter(GO/NOGO)	7.042	<---> 7.16			PASSED	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min			800 <---> 815	Qualified
Yield Strength(N/mm ²)	450 min			650 <---> 660	Qualified
Elongation after fracture(mm)	3.2 min			4 <---> 5	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250504AA07	0.022	0.45	1.09	0.031	0.003	8.02	18.05	0.05	0.25	0.056	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N36LCNP06001600	PO# NO:
SIZE: M6-1 X 16	MATERIAL TYPE:	ITEM NO: 209652
MARKING: A4-070 TonG	SHIP QTY: 5400 PC	HEAT NO: NY250422AW07
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2010	LOT NO: C739326730001
MFR. DATE: 2025/05/20	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/05/26	Test Date: 2025/05/26	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	ISO7380-1:2011
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	10.07	<---> 10.5	10.16	<---> 10.19	Qualified
Drive Depth	2.08 min		2.3	<---> 2.32	Qualified
Head Height	3	<---> 3.3	3.2	<---> 3.22	Qualified
Drive Width	4.02	<---> 4.09	4.05	<---> 4.07	Qualified
Nominal Length	15.65	<---> 16.35	15.72	<---> 15.74	Qualified
Major Diameter	5.794	<---> 5.974	5.815	<---> 5.882	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO 3506-1:2009	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	560 min		776	<---> 791	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY250422AW07	0.018	0.52	1	0.033	0.001	10.03	16.18	2.01	0.31	0.042	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut, Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP16007500	PO# NO:	
SIZE:	M16-2 X 75	MATERIAL TYPE:	A4(316)	ITEM NO:	4068
MARKING:	A4-70 THE	SHIP QTY:	600 PC	HEAT NO:	NY250505AS18
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739380430001
MFR. DATE:	2025/05/19	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/05/25	Test Date:	2025/05/25	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	23.67	<---> 24	23.74	<---> 23.78	Qualified
Across Corner	26.75 min		27.32	<---> 27.36	Qualified
Head Height	9.82	<---> 10.18	9.91	<---> 9.97	Qualified
Nominal Length	74.4	<---> 75.6	74.84	<---> 74.9	Qualified
Major Diameter	15.682	<---> 15.962	15.742	<---> 15.798	Qualified
Pitch Diameter(GO/NOGO)	14.503	<---> 14.663	PASSED		Qualified
Thickness of washer face	0.2	<---> 0.8	0.3	<---> 0.4	Qualified
washer face diameter	22.5 min		22.56	<---> 22.6	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		772	<---> 787	Qualified
Yield Strength(N/mm ²)	450 min		622	<---> 632	Qualified
Elongation after fracture(mm)	6.4 min		7	<---> 8	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY250505AS18	0.031	0.44	0.93	0.039	0.001	10.02	16.19	2.02	0.2	0.037	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP06002000	PO# NO:
SIZE: M6-1 X 20	MATERIAL TYPE: A2(304)	ITEM NO: 573
MARKING: A2-70 THE	SHIP QTY: 12600 PC	HEAT NO: 250403BE10
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739458240006
MFR. DATE: 2025/07/05	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/07/11	Test Date: 2025/07/11	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN933-1987	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	9.78	<---> 10	9.85	<--->	9.87	Qualified
Across Corner		11.05 min	11.12	<--->	11.17	Qualified
Head Height	3.85	<---> 4.15	4.03	<--->	4.05	Qualified
Nominal Length	19.58	<---> 20.42	19.82	<--->	19.96	Qualified
Major Diameter	5.794	<---> 5.974	5.812	<--->	5.831	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED			Qualified
Thickness of washer face	0.15	<---> 0.5	0.15	<--->	0.17	Qualified
washer face diameter		8.9 min	9.12	<--->	9.23	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	IS03506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min	840	<--->	854	Qualified
Yield Strength(N/mm ²)	450 min	692	<--->	708	Qualified
Elongation after fracture(mm)	2.4 min	3	<--->	4	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
250403BE10	0.02	0.338	0.976	0.0339	0.0023	8.01	18.08	0.09	0.358	0.0608	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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Zip: 314003

16

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0603N36LC0P06001600	PO# NO:	
SIZE:	M6-1 X 16	MATERIAL TYPE:		ITEM NO:	108918
MARKING:	NO MARK	SHIP QTY:	9900 PC	HEAT NO:	DY250510AP17
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN603-2010	LOT NO:	C739490830001
MFR. DATE:	2025/06/18	Product Name:	Mushroom Head Square Neck Bolt	Surface:	Passivated
Sampling Date:	2025/06/24	Test Date:	2025/06/24	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN603-2010
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	15.45	<---> 16.55	15.52	<---> 15.88	Qualified
Square Width	5.52	<---> 6.48	6	<---> 6.03	Qualified
Square NK. Height	3.4	<---> 4.6	3.52	<---> 3.56	Qualified
Head Height	3.12	<---> 3.88	3.47	<---> 3.51	Qualified
Radius		1.5 max	1.25	<---> 1.5	Qualified
Nominal Length	15.1	<---> 16.9	15.9	<---> 15.95	Qualified
Major Diameter	5.694	<---> 5.974	5.82	<---> 5.84	Qualified
Pitch Diameter(GO/NOGO)	5.144	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:	
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Yield Strength(N/mm ²)	450 min	700 <---> 712	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:	
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min	803 <---> 818	Qualified
Elongation after fracture(mm)	2.4 min	3 <---> 4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250510AP17	0.014	0.36	0.93	0.033	0.003	10.07	16.41	2.04	0.34	0.027	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1
 INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL.
 WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN
 IN REMARK.
 a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CANP12006000	PO# NO:	
SIZE:	M12-1.75 X 60	MATERIAL TYPE:	A2(304)	ITEM NO:	2881
MARKING:	A2-70 THE	SHIP QTY:	600 PC	HEAT NO:	S250322AA21
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739566230004
MFR. DATE:	2025/06/12	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/06/18	Test Date:	2025/06/18	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SPECIFICATION		SAMPLE STANDARD: DIN912-1983		ACTUAL RESULT		SAMPLE DETERMINANT
CHARACTERISTICS									
Head Diameter	17.73	<--->	18.27	17.85	<--->	17.87			Qualified
Head Height	11.57	<--->	12	11.85	<--->	11.87			Qualified
Nominal Length	59.4	<--->	60.6	60.02	<--->	60.06			Qualified
Drive Depth			6 min	6.65	<--->	6.69			Qualified
Drive Width	10.03	<--->	10.17	10.05	<--->	10.08			Qualified
Major Diameter	11.701	<--->	11.966	11.765	<--->	11.896			Qualified
Pitch Diameter(GO/NOGO)	10.679	<--->	10.829	PASSED					Qualified

MECHANICAL PROPERTIES		SPECIFICATION		SAMPLE STANDARD: ISO3506-1 :2020		ACTUAL RESULT		SAMPLE DETERMINANT
CHARACTERISTICS								
Tensile Strength(N/mm ²)		700 min		770	<--->	785		Qualified
Yield Strength(N/mm ²)		450 min		620	<--->	630		Qualified
Elongation after fracture(mm)		4.8 min		5	<--->	6		Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250322AA21	0.02	0.28	0.92	0.033	0.001	8.01	18.08	0.04	0.24	0.066	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP12006000	PO# NO:	
SIZE:	M12-1.75 X 60	MATERIAL TYPE:	A4(316)	ITEM NO:	2562
MARKING:	A4-70 THE	SHIP QTY:	600 PC	HEAT NO:	S250310AA09
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739569660001
MFR. DATE:	2025/06/08	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/14	Test Date:	2025/06/14	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	18.67	<---> 19	18.82	<---> 18.84	Qualified
Across Corner		21.1 min	21.28	<---> 21.45	Qualified
Head Height	7.32	<---> 7.68	7.46	<---> 7.5	Qualified
Nominal Length	59.4	<---> 60.6	60.07	<---> 60.1	Qualified
Major Diameter	11.701	<---> 11.966	11.831	<---> 11.852	Qualified
Pitch Diameter(G0/N0G0)	10.679	<---> 10.829	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.2	<---> 0.25	Qualified
washer face diameter		17.4 min	17.44	<---> 17.53	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)		700 min	793	<---> 808	Qualified
Yield Strength(N/mm ²)		450 min	646	<---> 656	Qualified
Elongation after fracture(mm)		4.8 min	5	<---> 6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250310AA09	0.03	0.28	0.9	0.032	0.001	10.03	16.31	2.03	0.35	0.035	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP12004000	PO# NO:	
SIZE:	M12-1.75 X 40	MATERIAL TYPE:	A4(316)	ITEM NO:	2538
MARKING:	A4-70 THE	SHIP QTY:	1920 PC	HEAT NO:	S250611AA19
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739586920002
MFR. DATE:	2025/07/10	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/07/16	Test Date:	2025/07/16	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	18.67	<---> 19	18.81	<---> 18.89	Qualified
Across Corner	21.1 min		21.56	<---> 21.61	Qualified
Head Height	7.32	<---> 7.68	7.43	<---> 7.47	Qualified
Nominal Length	39.5	<---> 40.5	39.72	<---> 40	Qualified
Major Diameter	11.701	<---> 11.966	11.76	<---> 11.8	Qualified
Pitch Diameter(GO/NOGO)	10.679	<---> 10.829	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.32	<---> 0.36	Qualified
washer face diameter	17.4 min		17.42	<---> 17.45	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		802	<---> 817	Qualified
Yield Strength(N/mm ²)	450 min		650	<---> 660	Qualified
Elongation after fracture(mm)	4.8 min		5	<---> 6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250611AA19	0.03	0.31	0.95	0.033	0.001	10.01	16.18	2.03	0.22	0.025	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP06002000	PO# NO:
SIZE: M6-1 X 20	MATERIAL TYPE: A2(304)	ITEM NO: 573
MARKING: A2-70 THE	SHIP QTY: 12600 PC	HEAT NO: S250614AA16
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739605960004
MFR. DATE: 2025/06/25	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/07/01	Test Date: 2025/07/01	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN933-1987	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Width Across Flats	9.78	<---> 10	9.83 <---> 9.87		Qualified
Across Corner		11.05 min	11.25 <---> 11.29		Qualified
Head Height	3.85	<---> 4.15	4 <---> 4.06		Qualified
Nominal Length	19.58	<---> 20.42	19.76 <---> 19.81		Qualified
Major Diameter	5.794	<---> 5.974	5.81 <---> 5.84		Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.5	0.15 <---> 0.23		Qualified
washer face diameter		8.9 min	8.92 <---> 8.95		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Tensile Strength(N/mm ²)	700 min	895 <---> 910		Qualified
Yield Strength(N/mm ²)	450 min	745 <---> 755		Qualified
Elongation after fracture(mm)	2.4 min	3 <---> 4		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250614AA16	0.022	0.21	0.69	0.034	0.001	8.01	18.15	0.02	0.22	0.041	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP10003500	PO# NO:
SIZE: M10-1.5 X 35	MATERIAL TYPE: A2(304)	ITEM NO: 2264
MARKING: A2-70 THE	SHIP QTY: 600 PC	HEAT NO: S250523AA24
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739655340004
MFR. DATE: 2025/06/20	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/06/26	Test Date: 2025/06/26	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	15.73	<--->	16.27	15.74	<--->	15.78	Qualified
Head Height	9.64	<--->	10	9.81	<--->	9.91	Qualified
Nominal Length	34.5	<--->	35.5	34.84	<--->	35.03	Qualified
Drive Depth			5 min	5.52	<--->	5.58	Qualified
Drive Width	8.03	<--->	8.17	8.15	<--->	8.17	Qualified
Major Diameter	9.732	<--->	9.968	9.812	<--->	9.835	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700	min	777	<--->	793	Qualified
Yield Strength(N/mm ²)	450	min	623	<--->	633	Qualified
Elongation after fracture(mm)	4	min	5	<--->	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250523AA24	0.028	0.29	0.9	0.037	0.002	8.01	18.3		0.25	0.066	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CCNP06001000	PO# NO:	
SIZE:	M6-1 X 10	MATERIAL TYPE:	A2(304)	ITEM NO:	828
MARKING:	A2-70 THE	SHIP QTY:	4800 PC	HEAT NO:	DY250508AN07
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739813950003
MFR. DATE:	2025/07/09	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/07/15	Test Date:	2025/07/15	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	9.78	<---> 10.22	9.93	<---> 9.95	Qualified
Head Height	5.7	<---> 6	5.73	<---> 5.8	Qualified
Nominal Length	9.71	<---> 10.29	9.96	<---> 10.01	Qualified
Drive Depth		3 min	3.03	<---> 3.19	Qualified
Drive Width	5.02	<---> 5.14	5.12	<---> 5.14	Qualified
Major Diameter	5.794	<---> 5.974	5.852	<---> 5.885	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque (N. m)		13 min	19.2	<---> 19.3	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250508AN07	0.015	0.35	1.01	0.041	0.002	8.02	18.2	0.03	0.24	0.065	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP12003500	PO# NO:
SIZE: M12-1.75 X 35	MATERIAL TYPE: A2(304)	ITEM NO: 2859
MARKING: A2-70 THE	SHIP QTY: 480 PC	HEAT NO: S250610AA05
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739933830002
MFR. DATE: 2025/07/11	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/07/17	Test Date: 2025/07/17	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Head Diameter	17.73	<--->	18.27	17.85 <--->	17.87	Qualified
Head Height	11.57	<--->	12	11.89 <--->	11.92	Qualified
Nominal Length	34.5	<--->	35.5	34.78 <--->	34.82	Qualified
Drive Depth		6 min		6.7 <--->	6.75	Qualified
Drive Width	10.03	<--->	10.17	10.06 <--->	10.09	Qualified
Major Diameter	11.701	<--->	11.966	11.815 <--->	11.889	Qualified
Pitch Diameter(GO/NOGO)	10.679	<--->	10.829	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		772 <--->	787	Qualified
Yield Strength(N/mm ²)	450 min		622 <--->	632	Qualified
Elongation after fracture(mm)	4.8 min		5 <--->	6	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250610AA05	0.03	0.29	1.2	0.033	0.002	8.03	18.17	0.01	0.76	0.042	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CC0P04001500B	PO# NO:
SIZE: M4-0.7 X 15	MATERIAL TYPE: A2(304)	ITEM NO: 320939
MARKING: NO MARK	SHIP QTY: 10800 PC	HEAT NO: NY240216AV18
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C800221360003
MFR. DATE: 2024/04/21	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2024/04/27	Test Date: 2024/04/27	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	6.78	<---> 7.22	6.92	<---> 6.94	Qualified
Head Height	3.82	<---> 4	3.9	<---> 3.98	Qualified
Nominal Length	14.65	<---> 15.35	15.18	<---> 15.28	Qualified
Drive Depth		2 min	2.33	<---> 2.43	Qualified
Drive Width	3.02	<---> 3.08	3.04	<---> 3.06	Qualified
Major Diameter	3.838	<---> 3.978	3.838	<---> 3.914	Qualified
Pitch Diameter(GO/NOGO)	3.433	<---> 3.523	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N.m)	3.8	min	4.7	<---> 4.9	Qualified
Tensile Strength(N/mm ²)	700	min	841	<---> 856	Qualified
Yield Strength(N/mm ²)	450	min	729	<---> 750	Qualified
Elongation after fracture(mm)	1.6	min	2.7	<---> 3	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY240216AV18	0.007	0.37	0.95	0.029	0.001	8.01	18.4	0.01	0.3	0.056	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu.Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: A1822534MFTP0308	PO# NO:
SIZE: 3/8-24 UNF	MATERIAL TYPE: A2(304)	ITEM NO: 1882
MARKING: THE	SHIP QTY: 4200 PC	HEAT NO: S250111AA21
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: ASME B18.2.2-15	LOT NO: C801260540003
MFR. DATE: 2025/02/18	Product Name: Hex Jam Nuts	Surface: Passivated
Sampling Date: 2025/02/24	Test Date: 2025/02/24	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(INCH)	SPECIFICATION	SAMPLE STANDARD:	ASME B18.2.2-15	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	0.551 <--->	0.562	0.558 <--->	0.559	0.558 <---> 0.559	Qualified
Across Corner	0.628 <--->	0.65	0.635 <--->	0.636	0.635 <---> 0.636	Qualified
Thickness	0.21 <--->	0.227	0.22 <--->	0.222	0.22 <---> 0.222	Qualified
Minor Diameter	0.33 <--->	0.34	0.337 <--->	0.3398	0.337 <---> 0.3398	Qualified
Pitch Diameter(GO/NOGO)	0.3479 <--->	0.3528	PASSED			Qualified
FIM		0.017 max	0.004 <--->	0.008	0.004 <---> 0.008	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ASTM F594-09	ACTUAL RESULT	SAMPLE DETERMINANT
Core Hardness ^a	95 <---> 107	102 <--->	104	102 <---> 104	Qualified

CHEMICAL COMPOSITION%										
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	N	SAMPLE DETERMINANT
S250111AA21	0.02	0.21	0.99	0.039	0.003	8.03	18.27	0.03	0.055	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xinyu. Wu

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0934N34CFNP1200	PO# NO:
SIZE: M12-1.5	MATERIAL TYPE: A2(304)	ITEM NO: 2766
MARKING: A2-70 THE	SHIP QTY: 1500 PC	HEAT NO: DY250207AN02
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN934-1987	LOT NO: C801419820001
MFR. DATE: 2025/03/19	Product Name: Hex Nuts	Surface: Passivated
Sampling Date: 2025/03/25	Test Date: 2025/03/25	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN934-1987	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	18.67	<---> 19	18.86	<--->	18.94	Qualified
Across Corner		21.1 min	21.49	<--->	21.53	Qualified
Thickness	9.64	<---> 10	9.76	<--->	9.81	Qualified
Minor Diameter	10.376	<---> 10.676	10.55	<--->	10.58	Qualified
Pitch Diameter(GO/NOGO)	11.026	<---> 11.216	PASSED			Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-2:2009	ACTUAL RESULT	SAMPLE DETERMINANT
Proof Load(N/mm ²)	700 min			PASSED	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250207AN02	0.013	0.31	1.02	0.04	0.003	8	18.17		0.28	0.051	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xuliang. Sh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0982N34CCNP0600	PO# NO:
SIZE: M6-1	MATERIAL TYPE: A2(304)	ITEM NO: 136014
MARKING: A2-70 TonG	SHIP QTY: 7500 PC	HEAT NO: S250309AA02
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN982-1987	LOT NO: C801464580001
MFR. DATE: 2025/04/18	Product Name: Hex Nylon Nuts	Surface: Passivated
Sampling Date: 2025/04/24	Test Date: 2025/04/24	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN982-1987	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Width Across Flats	9.78	<---> 10	9.85 <---> 9.92		Qualified
Across Corner		11.05 min	11.21 <---> 11.32		Qualified
Thickness	7.7	<---> 8	7.81 <---> 7.96		Qualified
Minor Diameter	4.917	<---> 5.153	5.08 <---> 5.14		Qualified
Pitch Diameter(G0/NOG0)	5.35	<---> 5.5	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	DIN 267 PART 11-1980	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Proof Load(N/mm ²)	700 min	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	DIN982-1987	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
First Install (N.m)	1.35 max	1 <---> 1.2		Qualified
First Removal (N.m)	0.45 min	0.8 <---> 0.85		Qualified
Third Removal (N.m)	0.3 min	0.4 <---> 0.47		Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250309AA02	0.019	0.22	1.05	0.036	0.004	8	18.19	0.02	0.23	0.065	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiong. Wang

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965712	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D6923N34CCNY0800	PO# NO:
SIZE: M8-1.25	MATERIAL TYPE: A2(304)	ITEM NO: 150902
MARKING: A2-70 TonG	SHIP QTY: 30000 PC	HEAT NO: S250322AA17
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN6923-1983	LOT NO: C801483170003
MFR. DATE: 2025/04/19	Product Name: Hex Nuts With Flange	Surface: Anti-galling Treated
Sampling Date: 2025/04/25	Test Date: 2025/04/25	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN6923-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	12.73	<---> 13	12.9	<---> 12.92	Qualified
Across Corner	14.38 min		14.76	<---> 14.78	Qualified
Thickness	7.6	<---> 8	7.65	<---> 7.68	Qualified
Flange Diameter	15.8	<---> 17.9	16.89	<---> 17.03	Qualified
Flange Height	1.2 min		1.58	<---> 1.76	Qualified
Minor Diameter	6.647	<---> 6.912	6.88	<---> 6.9	Qualified
Pitch Diameter(GO/NOGO)	7.188	<---> 7.348	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO 3506-2:2009	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Proof Load(N/mm ²)	700 min		PASSED		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250322AA17	0.014	0.23	0.93	0.031	0.001	8	18.14		0.21	0.051	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu. Wu

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965712	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	A1822434MCTP0102	PO# NO:	
SIZE:	1/2-13	MATERIAL TYPE:	A2(304)	ITEM NO:	3387
MARKING:	F594C THE	SHIP QTY:	3000 PC	HEAT NO:	DY250206AP12
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	ASME B18.2.2-15	LOT NO:	C801520400009
MFR. DATE:	2025/07/05	Product Name:	Hex Nuts	Surface:	Passivated
Sampling Date:	2025/07/11	Test Date:	2025/07/11	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(INCH)	SAMPLE STANDARD:		ASME B18.2.2-15
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	0.736	<---> 0.75	0.743	<---> 0.744	Qualified
Across Corner	0.84	<---> 0.866	0.846	<---> 0.847	Qualified
Thickness	0.427	<---> 0.448	0.431	<---> 0.433	Qualified
Minor Diameter	0.417	<---> 0.434	0.4319	<---> 0.4327	Qualified
Pitch Diameter(GO/NOGO)	0.45	<---> 0.4565	PASSED		Qualified
FIM	0.019 max		0.008	<---> 0.01	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ASTM F594-09	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Core Hardness ^a	95	<---> 107	105	<---> 107	Qualified
Proof Load(ksi)	100 min		PASSED		Qualified

CHEMICAL COMPOSITION%										
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	N	SAMPLE DETERMINANT
DY250206AP12	0.015	0.36	0.98	0.039	0.005	8	18.39	0.05	0.055	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiong. Wang

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D7984N34HCAW05001600	PO# NO:
SIZE: M5-0.8X16	MATERIAL TYPE: A2(304)	ITEM NO: 212832
MARKING: A2-70 TonG	SHIP QTY: 9000 PC	HEAT NO: S220401AB05
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN7984-2009	LOT NO: C20230711W813
MFR. DATE: 2023/07/05	Product Name: Low Head Socket Cap Screw	Surface: Passivated
Sampling Date: 2023/07/11	Test Date: 2023/07/11	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN7984-1985
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	8.28	<---> 8.5	8.38	<---> 8.4	Qualified
Drive Depth	2.58	<---> 2.82	2.78	<---> 2.8	Qualified
Head Height	3.32	<---> 3.5	3.37	<---> 3.41	Qualified
Drive Width	3.02	<---> 3.1	3.02	<---> 3.04	Qualified
Nominal Length	15.65	<---> 16.35	15.7	<---> 15.83	Qualified
Major Diameter	4.826	<---> 4.976	4.88	<---> 4.9	Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1:2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		780	<---> 794	Qualified
Yield Strength(N/mm ²)	450 min		630	<---> 640	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S220401AB05	0.012	0.32	0.77	0.029	0.003	8.04	18.21	0.03	2.05	0.022	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Lijie.Mo

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0127B316X0P2400	PO# NO:	
SIZE:	M24	MATERIAL TYPE:	A4(316)	ITEM NO:	94485
MARKING:	NO MARK	SHIP QTY:	500 PC	HEAT NO:	240905BE09
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN127-1987	LOT NO:	C20250221W716
MFR. DATE:	2025/02/15	Product Name:	Lock Washers Type B-SquareEnds	Surface:	Passivated
Sampling Date:	2025/02/21	Test Date:	2025/02/21	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	ACTUAL RESULT	SAMPLE DETERMINANT
CHARACTERISTICS					
Incision width		3 max		3 <---> 3	Qualified

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	ACTUAL RESULT	SAMPLE DETERMINANT
CHARACTERISTICS			DIN127-1987		
INNER DIAMETER		24.5 <---> 25.5		24.82 <---> 24.9	Qualified
OUTER DIAMETER		40 max		38.68 <---> 38.91	Qualified
THICKNESS		4.8 <---> 5.2		5.05 <---> 5.09	Qualified
Height		10 <---> 11.8		10.03 <---> 10.05	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ACTUAL RESULT	SAMPLE DETERMINANT
CHARACTERISTICS		DIN127 1987 TYPE B		
Free Height	8 min		8 <---> 8	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
240905BE09	0.034	0.27	1.01	0.037	0.002	10.03	16.7	2.02			Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiaoyang.W

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D9021A304X0P1000	PO# NO:
SIZE: M10整板	MATERIAL TYPE: A2(304)	ITEM NO: 278778
MARKING: NO MARK	SHIP QTY: 2000 PC	HEAT NO: DL2471426B
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN9021-1990	LOT NO: C20250302W702
MFR. DATE: 2025/02/24	Product Name: Large size washers Type A	Surface: .
Sampling Date: 2025/03/02	Test Date: 2025/03/02	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN9021-1990		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
INNER DIAMETER	10.5	<--->	10.77	10.7	<--->	10.72	Qualified
OUTER DIAMETER	29.48	<--->	30	29.58	<--->	29.69	Qualified
THICKNESS	2.3	<--->	2.7	2.37	<--->	2.4	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:				
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Hardness HV10	140	<--->	250	140	<--->	140	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiaoyang.W

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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E-mail: export@tongming.com.cn

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Zip: 314003

33

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0125A316XAW1600	PO# NO:
SIZE: M16	MATERIAL TYPE: A4(316)	ITEM NO: 93203
MARKING: A4 THE	SHIP QTY: 2000 PC	HEAT NO: N240218AX01
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN125-1990	LOT NO: C20250524W760
MFR. DATE: 2025/05/18	Product Name: Washers Type A(Unchamfered)	Surface: .
Sampling Date: 2025/05/24	Test Date: 2025/05/24	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN125-1990	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
INNER DIAMETER	17 <--->	17.27	17.27 <--->	17.27	Qualified
OUTER DIAMETER	29.48 <--->	30	29.59 <--->	29.63	Qualified
THICKNESS	2.7 <--->	3.3	2.76 <--->	2.81	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	DIN125-1990	SAMPLE DETERMINANT	
CHARACTERISTICS		ACTUAL RESULT			
Hardness HV10	140 <--->	250	160 <--->	170	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiaoyang. W

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0125A316XAW2000	PO# NO:
SIZE: M20	MATERIAL TYPE: A4(316)	ITEM NO: 93204
MARKING: A4 THE	SHIP QTY: 1200 PC	HEAT NO: S619730
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN125-1990	LOT NO: C20250621W727
MFR. DATE: 2025/06/15	Product Name: Washers Type A(Unchamfered)	Surface: .
Sampling Date: 2025/06/21	Test Date: 2025/06/21	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN125-1990		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
INNER DIAMETER	21	<--->	21.33	21.25	<--->	21.33	Qualified
OUTER DIAMETER	36.38	<--->	37	36.61	<--->	36.63	Qualified
THICKNESS	2.7	<--->	3.3	2.77	<--->	2.79	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	DIN125-1990			
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Hardness HV10	140	<--->	250	160	<--->	170	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiaoyang.W

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0125A304X0P1400	PO# NO:	
SIZE:	M14整板	MATERIAL TYPE:	A2(304)	ITEM NO:	335350
MARKING:	NO MARK	SHIP QTY:	3000 PC	HEAT NO:	DL5530680B
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN125-1990	LOT NO:	C20250624W760
MFR. DATE:	2025/06/18	Product Name:	Washers Type A	Surface:	.
Sampling Date:	2025/06/24	Test Date:	2025/06/24	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN125-1990
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
INNER DIAMETER	15	<---> 15.27	15.21	<---> 15.24	Qualified
OUTER DIAMETER	27.48	<---> 28	27.69	<---> 27.79	Qualified
THICKNESS	2.3	<---> 2.7	2.37	<---> 2.44	Qualified

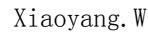
MECHANICAL PROPERTIES		SAMPLE STANDARD:		DIN125-1990	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Hardness HV10	140	<---> 250	160	<---> 170	Qualified



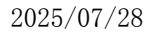
Authorization



Verification



Sampler



Date

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Zip: 314003

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0125A304X0W0400	PO# NO:
SIZE: M4整板	MATERIAL TYPE: A2(304)	ITEM NO: 47522
MARKING: NO MARK	SHIP QTY: 72000 PC	HEAT NO: DL8380816B
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN125-1990	LOT NO: C20250703W711
MFR. DATE: 2025/06/27	Product Name: Washers Type A(Unchamfered)	Surface: .
Sampling Date: 2025/07/03	Test Date: 2025/07/03	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SAMPLE STANDARD:	DIN125-1990
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
INNER DIAMETER	4.3 <---> 4.48	4.4 <---> 4.43	Qualified
OUTER DIAMETER	8.64 <---> 9	8.82 <---> 8.84	Qualified
THICKNESS	0.7 <---> 0.9	0.7 <---> 0.74	Qualified

MECHANICAL PROPERTIES	SAMPLE STANDARD:	DIN125-1990	
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Hardness HV10	140 <---> 250	170 <---> 175	Qualified



Authorization



Verification

Xiaoyang.W

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0125A304X0P1000	PO# NO:
SIZE: M10整板	MATERIAL TYPE: A2(304)	ITEM NO: 278776
MARKING: NO MARK	SHIP QTY: 14000 PC	HEAT NO:
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN125-1990	LOT NO: C20250715W712
MFR. DATE: 2025/07/09	Product Name: Washers Type A	Surface: .
Sampling Date: 2025/07/15	Test Date: 2025/07/15	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN125-1990	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
INNER DIAMETER	10.5 <--->	10.77	10.63 <--->	10.74	Qualified
OUTER DIAMETER	19.48 <--->	20	19.54 <--->	19.58	Qualified
THICKNESS	1.8 <--->	2.2	1.81 <--->	1.86	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ACTUAL RESULT	SAMPLE DETERMINANT	
CHARACTERISTICS					
Hardness HV10	140 <--->	250	165 <--->	172	Qualified



Authorization



Verification

Xiaoyang.W

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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38

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP05002000	PO# NO:
SIZE: M5-0.8 X 20	MATERIAL TYPE: A2(304)	ITEM NO: 394
MARKING: A2-70 THE	SHIP QTY: 11000 PC	HEAT NO: S230706AA08
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C224923690003
MFR. DATE: 2023/12/23	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2023/12/29	Test Date: 2023/12/29	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	8.28	<---> 8.72	8.4	<---> 8.48	Qualified	
Head Height	4.82	<---> 5	4.87	<---> 4.92	Qualified	
Nominal Length	19.58	<---> 20.42	20.02	<---> 20.11	Qualified	
Drive Depth		2.5 min	2.95	<---> 2.97	Qualified	
Drive Width	4.02	<---> 4.09	4.07	<---> 4.09	Qualified	
Major Diameter	4.826	<---> 4.976	4.829	<---> 4.865	Qualified	
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456	PASSED		Qualified	

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1:2009	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min	878	<---> 886	Qualified	
Yield Strength(N/mm ²)	450 min	778	<---> 792	Qualified	
Elongation after fracture(mm)	2 min	4	<---> 5	Qualified	

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S230706AA08	0.021	0.27	0.94	0.031	0.001	8.04	18.27		0.21	0.062	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

zhuokai.me

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	J1111434CC0P04001500	PO# NO:	
SIZE:	M4-0.7 X 15	MATERIAL TYPE:	A2(304)	ITEM NO:	6498
MARKING:	NO MARK	SHIP QTY:	16000 PC	HEAT NO:	S240725AA21
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	JIS B1111-1996	LOT NO:	C226044340001
MFR. DATE:	2024/08/16	Product Name:	C. R. Truss Head Screws	Surface:	Passivated
Sampling Date:	2024/08/22	Test Date:	2024/08/22	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		JIS B1111-1996
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	8.9	<---> 9.4	9.07	<---> 9.31	Qualified
Head Height	2.35	<---> 2.65	2.48	<---> 2.52	Qualified
Nominal Length	14.4	<---> 15	14.63	<---> 14.99	Qualified
Major Diameter	3.838	<---> 3.978	3.888	<---> 3.923	Qualified
Pitch Diameter(GO/NOGO)	0 max		PASSED		Qualified
Cross Recesses Number	2 min		2	<---> 2	Qualified
Groove Depth	1.6	<---> 2.13	1.74	<---> 1.91	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		767	<---> 779	Qualified
Yield Strength(N/mm ²)	450 min		667	<---> 679	Qualified
Elongation after fracture(mm)	1.6 min		3.6	<---> 4	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		JIS B1054-95	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N.m)	3.8 min		5	<---> 5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S240725AA21	0.011	0.32	0.78	0.035	0.002	8.06	18.29	0.06	2.03	0.034	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiong.Wang

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP05001600	PO# NO:
SIZE: M5-0.8 X 16	MATERIAL TYPE: A2(304)	ITEM NO: 392
MARKING: A2-70 THE	SHIP QTY: 6500 PC	HEAT NO: S240520AA16
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C226204640001
MFR. DATE: 2024/07/07	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2024/07/13	Test Date: 2024/07/13	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Head Diameter	8.28	<---> 8.72	8.45 <---> 8.51		Qualified
Head Height	4.82	<---> 5	4.94 <---> 4.99		Qualified
Nominal Length	15.65	<---> 16.35	16.11 <---> 16.17		Qualified
Drive Depth		2.5 min	3.05 <---> 3.12		Qualified
Drive Width	4.02	<---> 4.09	4.04 <---> 4.06		Qualified
Major Diameter	4.826	<---> 4.976	4.891 <---> 4.897		Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Tensile Strength(N/mm ²)	700 min	848 <---> 864		Qualified
Yield Strength(N/mm ²)	450 min	750 <---> 771		Qualified
Elongation after fracture(mm)	2 min	2.4 <---> 2.7		Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S240520AA16	0.02	0.31	0.96	0.033	0.001	8.02	18.23	0.08	0.39	0.054	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yuliang. Sh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CC0P04000800B	PO# NO:
SIZE: M4-0.7 X 8	MATERIAL TYPE: A2(304)	ITEM NO: 320907
MARKING: NO MARK	SHIP QTY: 14400 PC	HEAT NO: S240619AA04
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C226609000001
MFR. DATE: 2024/09/12	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2024/09/18	Test Date: 2024/09/18	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	6.78	<---> 7.22	6.91	<---> 6.99	Qualified
Head Height	3.82	<---> 4	3.95	<---> 3.99	Qualified
Nominal Length	7.71	<---> 8.29	8.07	<---> 8.25	Qualified
Drive Depth		2 min	2.21	<---> 2.26	Qualified
Drive Width	3.02	<---> 3.08	3.03	<---> 3.08	Qualified
Major Diameter	3.838	<---> 3.978	3.888	<---> 3.921	Qualified
Pitch Diameter(GO/NOGO)	3.433	<---> 3.523	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque (N.m)		3.8 min	5	<---> 5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S240619AA04	0.016	0.33	0.94	0.035	0.002	8.02	18.2	0.04	0.35	0.07	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiong.Wang

Sampler

2025/07/28

Date

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ADD: 88 ChangSheng RD., E. D. Zone, JiaXing, ZheJiang, China	Zip: 314003		42

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CC0P04001000B	PO# NO:	
SIZE:	M4-0.7 X 10	MATERIAL TYPE:	A2(304)	ITEM NO:	320915
MARKING:	NO MARK	SHIP QTY:	14400 PC	HEAT NO:	S240716AA29
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C227550200001
MFR. DATE:	2025/01/14	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/01/20	Test Date:	2025/01/20	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	6.78	<---> 7.22	6.95	<---> 6.98	Qualified
Head Height	3.82	<---> 4	3.93	<---> 3.96	Qualified
Nominal Length	9.71	<---> 10.29	9.93	<---> 10.09	Qualified
Drive Width	3.02	<---> 3.08	3.02	<---> 3.06	Qualified
Drive Depth		2 min	2.33	<---> 2.35	Qualified
Major Diameter	3.838	<---> 3.978	3.862	<---> 3.889	Qualified
Pitch Diameter(GO/NOGO)	3.433	<---> 3.523	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N.m)	3.8	min	4.2	<---> 4	Qualified
Tensile Strength(N/mm ²)	700	min	819	<---> 802	Qualified
Yield Strength(N/mm ²)	450	min	719	<---> 702	Qualified
Elongation after fracture(mm)	1.6	min	2.4	<---> 2.6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S240716AA29	0.018	0.38	0.99	0.035	0.003	8.07	18.16	0.03	0.33	0.053	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu.Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0934N34CCNP2400	PO# NO:
SIZE: M24-3	MATERIAL TYPE: A2(304)	ITEM NO: 5542
MARKING: A2-70 THE	SHIP QTY: 420 PC	HEAT NO: S230327AA26
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN934-1987	LOT NO: C228374430007
MFR. DATE: 2025/06/14	Product Name: Hex Nuts	Surface: Passivated
Sampling Date: 2025/06/20	Test Date: 2025/06/20	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN934-1987	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Width Across Flats	35 <---> 36		35.27 <---> 35.29		Qualified
Across Corner	39.55 min		40.23 <---> 40.32		Qualified
Thickness	17.7 <---> 19		18.33 <---> 18.4		Qualified
Minor Diameter	20.752 <---> 21.252		21.08 <---> 21.22		Qualified
Pitch Diameter(GO/NOGO)	22.051 <---> 22.316		PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-2:2009	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Proof Load(N/mm ²)	700 min	PASSED		Qualified

CHEMICAL COMPOSITION%												SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N		
S230327AA26	0.023	0.37	1.11	0.033	0.001	8.03	18.11		0.74	0.05	Qualified	

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu. Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0934N34CCNP0800	PO# NO:
SIZE: M8-1.25	MATERIAL TYPE: A2(304)	ITEM NO: 1271
MARKING: A2-70 THE	SHIP QTY: 28800 PC	HEAT NO: S250526AA17
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN934-1987	LOT NO: C228454590008
MFR. DATE: 2025/06/24	Product Name: Hex Nuts	Surface: Passivated
Sampling Date: 2025/06/30	Test Date: 2025/06/30	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN934-1987	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	12.73 <--->	13	12.85 <--->	12.89	Qualified	
Across Corner		14.38 min	14.61 <--->	14.69	Qualified	
Thickness	6.14 <--->	6.5	6.25 <--->	6.32	Qualified	
Minor Diameter	6.647 <--->	6.912	6.75 <--->	6.81	Qualified	
Pitch Diameter(G0/NOGO)	7.188 <--->	7.348	PASSED		Qualified	

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-2:2009	ACTUAL RESULT	SAMPLE DETERMINANT
Proof Load(N/mm ²)	700 min	PASSED		Qualified	

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250526AA17	0.023	0.31	0.77	0.033	0.001	8.03	18.05	0.04	0.25	0.047	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiong.Wang

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP05003000	PO# NO:
SIZE: M5-0.8 X 30	MATERIAL TYPE: A2(304)	ITEM NO: 350
MARKING: A2-70 THE	SHIP QTY: 4000 PC	HEAT NO: S240914AA08
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C738309280001
MFR. DATE: 2025/01/10	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/01/16	Test Date: 2025/01/16	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN933-1987	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	7.78	<---> 8	7.83	<--->	7.85	Qualified
Across Corner		8.79 min	8.95	<--->	8.94	Qualified
Head Height	3.35	<---> 3.65	3.48	<--->	3.5	Qualified
Nominal Length	29.58	<---> 30.42	30.24	<--->	30.26	Qualified
Major Diameter	4.826	<---> 4.976	4.85	<--->	4.87	Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456	PASSED			Qualified
Thickness of washer face	0.15	<---> 0.5	0.25	<--->	0.3	Qualified
washer face diameter		6.9 min	7	<--->	7	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	IS03506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min	823	<--->	838	Qualified
Yield Strength(N/mm ²)	450 min	692	<--->	708	Qualified
Elongation after fracture(mm)	2 min	2	<--->	2	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S240914AA08	0.028	0.27	1.08	0.033	0.002	8.02	18.31	0.06	0.71	0.033	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiaoyang.W

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut, Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D7991N316ANP12007000	PO# NO:	
SIZE:	M12-1.75 X 70	MATERIAL TYPE:	A4(316)	ITEM NO:	115498
MARKING:	A4-70 THE	SHIP QTY:	300 PC	HEAT NO:	S241125AA15
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN7991-1986	LOT NO:	C738693300001
MFR. DATE:	2025/02/20	Product Name:	Hex Socket C. S. Head Screws	Surface:	Passivated
Sampling Date:	2025/02/26	Test Date:	2025/02/26	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN7991-1986
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	23.48	<---> 24	23.71	<---> 23.74	Qualified
Head Height	7.44 max		6.69	<---> 6.76	Qualified
Nominal Length	69.4	<---> 70.6	69.73	<---> 69.89	Qualified
Drive Depth	4.3	<---> 4.6	4.47	<---> 4.55	Qualified
Drive Width	8.03	<---> 8.17	8.15	<---> 8.17	Qualified
Major Diameter	11.701	<---> 11.966	11.752	<---> 11.846	Qualified
Pitch Diameter(GO/NOGO)	10.679	<---> 10.829	PASSED		Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		747	<---> 762	Qualified
Elongation after fracture(mm)	4.8 min		5	<---> 6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S241125AA15	0.028	0.39	1.03	0.034	0.001	10.01	16.36	2.03	0.36	0.023	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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Zip: 314003

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CCNP12004000	PO# NO:	
SIZE:	M12-1.75 X 40	MATERIAL TYPE:	A2(304)	ITEM NO:	2863
MARKING:	A2-70 THE	SHIP QTY:	840 PC	HEAT NO:	S250210AA24
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C738742540002
MFR. DATE:	2025/03/13	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/03/19	Test Date:	2025/03/19	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Head Diameter	17.73	<--->	18.27	17.77 <--->	17.82	Qualified
Head Height	11.57	<--->	12	11.71 <--->	11.72	Qualified
Nominal Length	39.5	<--->	40.5	39.99 <--->	40.01	Qualified
Drive Depth		6 min		6.3 <--->	6.35	Qualified
Drive Width	10.03	<--->	10.17	10.05 <--->	10.09	Qualified
Major Diameter	11.701	<--->	11.966	11.775 <--->	11.852	Qualified
Pitch Diameter(GO/NOGO)	10.679	<--->	10.829	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		804 <--->	819	Qualified
Yield Strength(N/mm ²)	450 min		650 <--->	660	Qualified
Elongation after fracture(mm)	4.8 min		5 <--->	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250210AA24	0.011	0.27	0.97	0.028	0.002	8.04	18.34	0.03	0.27	0.057	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0931N34CCNP10008000	PO# NO:	
SIZE:	M10-1.5 X 80	MATERIAL TYPE:	A2(304)	ITEM NO:	1948
MARKING:	A2-70 THE	SHIP QTY:	600 PC	HEAT NO:	S241218AA11
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN931-1987	LOT NO:	C738881880001
MFR. DATE:	2025/03/12	Product Name:	Hex Head Bolts with Shank	Surface:	Passivated
Sampling Date:	2025/03/18	Test Date:	2025/03/18	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SPECIFICATION		SAMPLE STANDARD: DIN931-1987		ACTUAL RESULT		SAMPLE DETERMINANT
CHARACTERISTICS									
Width Across Flats	16.73	<--->	17	16.86	<--->	16.89		Qualified	
Across Corner			18.9 min	19.33	<--->	19.35		Qualified	
Head Height	6.22	<--->	6.56	6.42	<--->	6.45		Qualified	
Body Diameter	9.78	<--->	10	9.91	<--->	9.93		Qualified	
Length of Thread	26	<--->	33	26.9	<--->	27.1		Qualified	
Nominal Length	79.4	<--->	80.6	79.99	<--->	80.05		Qualified	
Major Diameter	9.732	<--->	9.968	9.821	<--->	9.842		Qualified	
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED				Qualified	
Thickness of washer face	0.15	<--->	0.6	0.2	<--->	0.25		Qualified	
washer face diameter			15.6 min	15.66	<--->	15.73		Qualified	

MECHANICAL PROPERTIES		SPECIFICATION		SAMPLE STANDARD: ISO3506-1 :2020		ACTUAL RESULT		SAMPLE DETERMINANT
CHARACTERISTICS								
Tensile Strength(N/mm ²)		700	min	900	<--->	916		Qualified
Yield Strength(N/mm ²)		450	min	750	<--->	760		Qualified
Elongation after fracture(mm)		4	min	5	<--->	6		Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S241218AA11	0.027	0.26	1.16	0.036	0.001	8.04	18.39	0.01	0.73	0.049	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N316CNP12005500	PO# NO:
SIZE: M12-1.75 X 55	MATERIAL TYPE: A4(316)	ITEM NO: 2558
MARKING: A4-70 THE	SHIP QTY: 300 PC	HEAT NO: S240902AA23
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C738907510001
MFR. DATE: 2025/04/01	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/04/07	Test Date: 2025/04/07	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Width Across Flats	18.67	<--->	19	18.85	<--->	18.89	Qualified
Across Corner	21.1 min			21.62	<--->	21.66	Qualified
Head Height	7.32	<--->	7.68	7.52	<--->	7.56	Qualified
Nominal Length	54.4	<--->	55.6	54.85	<--->	54.89	Qualified
Major Diameter	11.701	<--->	11.966	11.752	<--->	11.856	Qualified
Pitch Diameter(GO/NOGO)	10.679	<--->	10.829	PASSED			Qualified
Thickness of washer face	0.15	<--->	0.6	0.5	<--->	0.55	Qualified
washer face diameter	17.4 min			17.41	<--->	17.45	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700 min		834	<--->	849	Qualified
Yield Strength(N/mm ²)	450 min		692	<--->	708	Qualified
Elongation after fracture(mm)	4.8 min		5	<--->	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S240902AA23	0.03	0.36	0.87	0.036	0.002	10.02	16.17	2.07	0.33	0.013	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CANP10007000	PO# NO:
SIZE: M10-1.5 X 70	MATERIAL TYPE: A2(304)	ITEM NO: 2293
MARKING: A2-70 THE	SHIP QTY: 360 PC	HEAT NO: S250322AA20
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C738967570012
MFR. DATE: 2025/05/15	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/05/21	Test Date: 2025/05/21	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	ACTUAL RESULT	SAMPLE DETERMINANT
<u>CHARACTERISTICS</u>						
Head Diameter	15.73	<---> 16.27	15.8	<---> 15.83	15.83	Qualified
Head Height	9.64	<---> 10	9.76	<---> 9.81	9.81	Qualified
Drive Depth		5 min	5.51	<---> 5.56	5.56	Qualified
Nominal Length	69.4	<---> 70.6	70.25	<---> 70.31	70.31	Qualified
Drive Width	8.03	<---> 8.17	8.05	<---> 8.08	8.08	Qualified
Major Diameter	9.732	<---> 9.968	9.85	<---> 9.88	9.88	Qualified
Pitch Diameter(GO/NOGO)	8.862	<---> 8.994	PASSED			Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
<u>CHARACTERISTICS</u>					
Tensile Strength(N/mm ²)	700 min	762	<---> 777	777	Qualified
Yield Strength(N/mm ²)	450 min	612	<---> 622	622	Qualified
Elongation after fracture(mm)	4 min	5	<---> 6	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250322AA20	0.016	0.28	0.92	0.033	0.001	8.01	18.1	0.04	0.24	0.068	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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Zip: 314003

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP10004000	PO# NO:
SIZE: M10-1.5 X 40	MATERIAL TYPE: A2(304)	ITEM NO: 2268
MARKING: A2-70 THE	SHIP QTY: 600 PC	HEAT NO: 250330CE06
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C738968900005
MFR. DATE: 2025/04/22	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/04/28	Test Date: 2025/04/28	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	15.73	<--->	16.27	15.88	<--->	15.9	Qualified
Head Height	9.64	<--->	10	9.92	<--->	9.99	Qualified
Nominal Length	39.5	<--->	40.5	39.9	<--->	39.95	Qualified
Drive Depth			5 min	5.41	<--->	5.44	Qualified
Drive Width	8.03	<--->	8.17	8.07	<--->	8.1	Qualified
Major Diameter	9.732	<--->	9.968	9.781	<--->	9.862	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700	min	768	<--->	783	Qualified
Yield Strength(N/mm ²)	450	min	613	<--->	626	Qualified
Elongation after fracture(mm)	4	min	5	<--->	6	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250330CE06	0.017	0.355	0.939	0.0339	0.0032	8.03	18.11	0.12	0.313	0.0643	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP14005000	PO# NO:	
SIZE:	M14-2 X 50	MATERIAL TYPE:	A2(304)	ITEM NO:	3577
MARKING:	A2-70 THE	SHIP QTY:	300 PC	HEAT NO:	S250609AA04
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C738974090001
MFR. DATE:	2025/06/17	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/23	Test Date:	2025/06/23	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	21.67	<---> 22	21.81	<---> 21.83	Qualified
Across Corner	24.49 min		24.78	<---> 24.83	Qualified
Head Height	8.62	<---> 8.98	8.93	<---> 8.97	Qualified
Nominal Length	49.5	<---> 50.5	50.23	<---> 50.39	Qualified
Major Diameter	13.682	<---> 13.962	13.741	<---> 13.772	Qualified
Pitch Diameter(GO/NOGO)	12.503	<---> 12.663	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.3	<---> 0.35	Qualified
washer face diameter	20.5 min		20.55	<---> 20.63	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		799	<---> 810	Qualified
Yield Strength(N/mm ²)	450 min		698	<---> 709	Qualified
Elongation after fracture(mm)	5.6 min		6	<---> 7	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250609AA04	0.017	0.27	0.66	0.035	0.002	8.02	18.26	0.03	0.22	0.05	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP16007000	PO# NO:	
SIZE:	M16-2 X 70	MATERIAL TYPE:	A2(304)	ITEM NO:	4064
MARKING:	A2-70 THE	SHIP QTY:	180 PC	HEAT NO:	S250421AA24
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C738974360021
MFR. DATE:	2025/05/29	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/04	Test Date:	2025/06/04	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	23.67	<---> 24	23.77	<---> 23.96	Qualified
Across Corner	26.75 min		27.32	<---> 27.35	Qualified
Head Height	9.82	<---> 10.18	9.93	<---> 10.14	Qualified
Nominal Length	69.4	<---> 70.6	70.16	<---> 70.25	Qualified
Major Diameter	15.682	<---> 15.962	15.714	<---> 15.77	Qualified
Pitch Diameter(GO/NOGO)	14.503	<---> 14.663	PASSED		Qualified
Thickness of washer face	0.2	<---> 0.8	0.47	<---> 0.52	Qualified
washer face diameter	22.5 min		22.52	<---> 22.55	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		760	<---> 774	Qualified
Yield Strength(N/mm ²)	450 min		610	<---> 620	Qualified
Elongation after fracture(mm)	6.4 min		7	<---> 8	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250421AA24	0.026	0.29	0.84	0.034	0.002	8.02	18.29	0.05	0.2	0.034	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N34CCNP10005000	PO# NO:
SIZE: M10-1.5 X 50	MATERIAL TYPE: A2(304)	ITEM NO: 204846
MARKING: A2-070 TonG	SHIP QTY: 600 PC	HEAT NO: S250224AA26
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2011	LOT NO: C738977080002
MFR. DATE: 2025/03/30	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/04/05	Test Date: 2025/04/05	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	ISO7380-1:2011		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	17.07	<--->	17.5	17.26	<--->	17.44	Qualified
Drive Depth	3.12 min			4.1	<--->	4.2	Qualified
Head Height	5.2	<--->	5.5	5.24	<--->	5.28	Qualified
Drive Width	6.02	<--->	6.14	6.07	<--->	6.09	Qualified
Nominal Length	49.5	<--->	50.5	49.75	<--->	49.94	Qualified
Major Diameter	9.732	<--->	9.968	9.822	<--->	9.856	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO 3506-1:2009		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	560 min		774	<--->	789	Qualified
Elongation after fracture(mm)	6 min		7	<--->	8	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250224AA26	0.012	0.25	1.01	0.03	0.003	8.01	18.37		0.24	0.052	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Yuncong. Zh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CANP0800D100B	PO# NO:
SIZE: M8-1.25 X 100	MATERIAL TYPE: A2(304)	ITEM NO: 314322
MARKING: A2-70 THE	SHIP QTY: 420 PC	HEAT NO: 250101CE01
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C738990810003
MFR. DATE: 2025/04/10	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/04/16	Test Date: 2025/04/16	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	12.73	<--->	13.27	12.86	<--->	12.88	Qualified
Head Height	7.64	<--->	8	7.83	<--->	7.95	Qualified
Nominal Length	99.3	<--->	100.7	99.98	<--->	100.23	Qualified
Drive Depth			4 min	4.09	<--->	4.15	Qualified
Drive Width	6.02	<--->	6.14	6.12	<--->	6.14	Qualified
Major Diameter	7.76	<--->	7.972	7.825	<--->	7.846	Qualified
Pitch Diameter(GO/NOGO)	7.042	<--->	7.16	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700	min	740	<--->	754	Qualified
Yield Strength(N/mm ²)	450	min	590	<--->	600	Qualified
Elongation after fracture(mm)	3.2	min	4	<--->	5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250101CE01	0.018	0.342	1.022	0.0379	0.0023	8.05	18.13	0.13	0.323	0.0624	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CANP10005000	PO# NO:	
SIZE:	M10-1.5 X 50	MATERIAL TYPE:	A2(304)	ITEM NO:	2276
MARKING:	A2-70 THE	SHIP QTY:	480 PC	HEAT NO:	S250412AA20
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739000870008
MFR. DATE:	2025/05/24	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/05/30	Test Date:	2025/05/30	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	15.73	<---> 16.27	15.81	<---> 15.86	Qualified
Head Height	9.64	<---> 10	9.77	<---> 9.87	Qualified
Nominal Length	49.5	<---> 50.5	50.06	<---> 50.12	Qualified
Drive Depth		5 min	5.43	<---> 5.5	Qualified
Drive Width	8.03	<---> 8.17	8.03	<---> 8.1	Qualified
Major Diameter	9.732	<---> 9.968	9.861	<---> 9.882	Qualified
Pitch Diameter(GO/NOGO)	8.862	<---> 8.994	PASSED		Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		766	<---> 781	Qualified
Yield Strength(N/mm ²)	450 min		616	<---> 626	Qualified
Elongation after fracture(mm)	4 min		5	<---> 6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250412AA20	0.018	0.28	0.91	0.035	0.003	8.02	18.43	0.07	0.22	0.062	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP1000D100B	PO# NO:	
SIZE:	M10-1.5 X 100	MATERIAL TYPE:	A2(304)	ITEM NO:	314334
MARKING:	A2-70 THE	SHIP QTY:	300 PC	HEAT NO:	S250514AA10
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739027620021
MFR. DATE:	2025/05/29	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/04	Test Date:	2025/06/04	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SPECIFICATION		SAMPLE STANDARD:		DIN933-1987		SAMPLE DETERMINANT	
CHARACTERISTICS					ACTUAL RESULT					
Width Across Flats	16.73	<--->	17	16.76	<--->	16.82			Qualified	
Across Corner			18.9 min	19.23	<--->	19.26			Qualified	
Head Height	6.22	<--->	6.56	6.29	<--->	6.32			Qualified	
Nominal Length	99.3	<--->	100.7	100.14	<--->	100.2			Qualified	
Major Diameter	9.732	<--->	9.968	9.802	<--->	9.835			Qualified	
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED					Qualified	
Thickness of washer face	0.15	<--->	0.6	0.2	<--->	0.25			Qualified	
washer face diameter			15.6 min	15.63	<--->	15.65			Qualified	

MECHANICAL PROPERTIES		SPECIFICATION		SAMPLE STANDARD:		ISO3506-1 :2020		SAMPLE DETERMINANT	
CHARACTERISTICS				ACTUAL RESULT					
Tensile Strength(N/mm ²)		700 min		770	<--->	785			Qualified
Yield Strength(N/mm ²)		450 min		620	<--->	630			Qualified
Elongation after fracture(mm)		4 min		5	<--->	6			Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250514AA10	0.014	0.27	0.79	0.032	0.003	8.01	18.1	0.08	0.21	0.041	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

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58

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP12005000	PO# NO:
SIZE: M12-1.75 X 50	MATERIAL TYPE: A2(304)	ITEM NO: 2871
MARKING: A2-70 THE	SHIP QTY: 360 PC	HEAT NO: S250412AA15
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739038980003
MFR. DATE: 2025/05/07	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/05/13	Test Date: 2025/05/13	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	17.73	<--->	18.27	17.78	<--->	17.8	Qualified
Head Height	11.57	<--->	12	11.69	<--->	11.71	Qualified
Nominal Length	49.5	<--->	50.5	49.94	<--->	50.09	Qualified
Drive Depth	6 min			6.25	<--->	6.27	Qualified
Drive Width	10.03	<--->	10.17	10.15	<--->	10.17	Qualified
Major Diameter	11.701	<--->	11.966	11.825	<--->	11.846	Qualified
Pitch Diameter(GO/NOGO)	10.679	<--->	10.829	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700 min		750	<--->	764	Qualified
Yield Strength(N/mm ²)	450 min		600	<--->	610	Qualified
Elongation after fracture(mm)	4.8 min		5	<--->	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250412AA15	0.022	0.31	0.94	0.036	0.003	8.02	18.34	0.09	0.27	0.04	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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Zip: 314003

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP1000D120B	PO# NO:
SIZE: M10-1.5 X 120	MATERIAL TYPE: A2(304)	ITEM NO: 314342
MARKING: A2-70 THE	SHIP QTY: 240 PC	HEAT NO: S250514AA10
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739056840010
MFR. DATE: 2025/05/17	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/05/23	Test Date: 2025/05/23	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Width Across Flats	16.73	<--->	17	16.82	<--->	16.85	Qualified
Across Corner			18.9 min	19.28	<--->	19.36	Qualified
Head Height	6.22	<--->	6.56	6.4	<--->	6.42	Qualified
Nominal Length	119.3	<--->	120.7	119.96	<--->	120.01	Qualified
Major Diameter	9.732	<--->	9.968	9.81	<--->	9.83	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED			Qualified
Thickness of washer face	0.15	<--->	0.6	0.32	<--->	0.35	Qualified
washer face diameter			15.6 min	15.62	<--->	15.66	Qualified

MECHANICAL PROPERTIES				SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)			700 min	792	<--->	807	Qualified
Yield Strength(N/mm ²)			450 min	646	<--->	656	Qualified
Elongation after fracture(mm)			4 min	5	<--->	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250514AA10	0.014	0.27	0.79	0.032	0.003	8.01	18.1	0.08	0.21	0.041	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP08003500	PO# NO:
SIZE: M8-1.25 X 35	MATERIAL TYPE: A2(304)	ITEM NO: 1365
MARKING: A2-70 THE	SHIP QTY: 1200 PC	HEAT NO: NY250107AS12
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739059310006
MFR. DATE: 2025/04/09	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/04/15	Test Date: 2025/04/15	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	12.73	<--->	13.27	13.02	<--->	13.06	Qualified
Head Height	7.64	<--->	8	7.79	<--->	7.81	Qualified
Nominal Length	34.5	<--->	35.5	35.03	<--->	35.05	Qualified
Drive Depth	4 min			4.41	<--->	4.54	Qualified
Drive Width	6.02	<--->	6.14	6.03	<--->	6.05	Qualified
Major Diameter	7.76	<--->	7.972	7.761	<--->	7.792	Qualified
Pitch Diameter(GO/NOGO)	7.042	<--->	7.16	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700 min		745	<--->	755	Qualified
Yield Strength(N/mm ²)	450 min		600	<--->	610	Qualified
Elongation after fracture(mm)	3.2 min		4	<--->	5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY250107AS12	0.022	0.33	0.93	0.04	0.002	8.03	18.08	0.01	0.26	0.068	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0931N316C8P12008000	PO# NO:	
SIZE:	M12-1.75 X 80	MATERIAL TYPE:	A4(316)	ITEM NO:	217546
MARKING:	A4-80 THE	SHIP QTY:	240 PC	HEAT NO:	250520AE05
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN931-1987	LOT NO:	C739059420001
MFR. DATE:	2025/06/12	Product Name:	Hex Head Bolts with Shank	Surface:	Passivated
Sampling Date:	2025/06/18	Test Date:	2025/06/18	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN931-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	18.67	<---> 19	18.78	<---> 18.82	Qualified
Across Corner		21.1 min	21.45	<---> 21.48	Qualified
Head Height	7.32	<---> 7.68	7.39	<---> 7.41	Qualified
Body Diameter	11.73	<---> 12	11.8	<---> 11.83	Qualified
Length of Thread	30	<---> 38	31.34	<---> 31.6	Qualified
Nominal Length	79.4	<---> 80.6	80.13	<---> 80.2	Qualified
Major Diameter	11.701	<---> 11.966	11.712	<---> 11.775	Qualified
Pitch Diameter(GO/NOGO)	10.679	<---> 10.829	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.2	<---> 0.3	Qualified
washer face diameter		17.4 min	17.42	<---> 17.45	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	800 min		900	<---> 915	Qualified
Yield Strength(N/mm ²)	600 min		750	<---> 760	Qualified
Elongation after fracture(mm)	3.6 min		4	<---> 5	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250520AE05	0.034	0.259	0.93	0.0386	0.0008	10.01	16.57	2.01	0.31	0.0252	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP06002000	PO# NO:
SIZE: M6-1 X 20	MATERIAL TYPE: A2(304)	ITEM NO: 845
MARKING: A2-70 THE	SHIP QTY: 9000 PC	HEAT NO: S241125AA03
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739068250003
MFR. DATE: 2025/04/08	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/04/14	Test Date: 2025/04/14	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	ACTUAL RESULT	SAMPLE DETERMINANT
<u>CHARACTERISTICS</u>						
Head Diameter	9.78	<---> 10.22	9.86	<---> 9.88	9.88	Qualified
Head Height	5.7	<---> 6	5.79	<---> 5.81	5.81	Qualified
Nominal Length	19.58	<---> 20.42	19.95	<---> 20.06	20.06	Qualified
Drive Depth		3 min	3.41	<---> 3.56	3.56	Qualified
Drive Width	5.02	<---> 5.14	5.05	<---> 5.11	5.11	Qualified
Major Diameter	5.794	<---> 5.974	5.831	<---> 5.862	5.862	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED			Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
<u>CHARACTERISTICS</u>					
Tensile Strength(N/mm ²)	700 min	770	<---> 784	784	Qualified
Yield Strength(N/mm ²)	450 min	620	<---> 630	630	Qualified
Elongation after fracture(mm)	2.4 min	3	<---> 4	4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S241125AA03	0.019	0.31	1.38	0.029	0.001	8.02	18.43	0.02	0.23	0.079	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N316CNP08004500	PO# NO:
SIZE: M8-1.25 X 45	MATERIAL TYPE: A4(316)	ITEM NO: 1077
MARKING: A4-70 THE	SHIP QTY: 1020 PC	HEAT NO: 250227BE07
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739086880001
MFR. DATE: 2025/04/20	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/04/26	Test Date: 2025/04/26	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Width Across Flats	12.73	<--->	13	12.79	<--->	12.82	Qualified
Across Corner	14.38 min			14.52	<--->	14.54	Qualified
Head Height	5.15	<--->	5.45	5.27	<--->	5.34	Qualified
Nominal Length	44.5	<--->	45.5	44.88	<--->	44.94	Qualified
Major Diameter	7.76	<--->	7.972	7.821	<--->	7.842	Qualified
Pitch Diameter(GO/NOGO)	7.042	<--->	7.16	PASSED			Qualified
Thickness of washer face	0.15	<--->	0.6	0.18	<--->	0.2	Qualified
washer face diameter	11.6 min			11.66	<--->	11.73	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700 min		820	<--->	836	Qualified
Yield Strength(N/mm ²)	450 min		680	<--->	692	Qualified
Elongation after fracture(mm)	3.2 min		4	<--->	5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250227BE07	0.03	0.338	0.946	0.0376	0.0009	10.01	16.6	2.01	0.313	0.0332	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP10004000	PO# NO:
SIZE: M10-1.5 X 40	MATERIAL TYPE: A2(304)	ITEM NO: 1899
MARKING: A2-70 THE	SHIP QTY: 2400 PC	HEAT NO: S250514AA11
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739088550012
MFR. DATE: 2025/05/28	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/06/03	Test Date: 2025/06/03	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<--->	17	16.81 <---> 16.83	Qualified
Across Corner	18.9 min			19.31 <---> 19.34	Qualified
Head Height	6.22	<--->	6.56	6.43 <---> 6.47	Qualified
Nominal Length	39.5	<--->	40.5	39.9 <---> 39.95	Qualified
Major Diameter	9.732	<--->	9.968	9.8 <---> 9.83	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED	Qualified
Thickness of washer face	0.15	<--->	0.6	0.32 <---> 0.36	Qualified
washer face diameter	15.6 min			15.62 <---> 15.66	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		824 <--->	839	Qualified
Yield Strength(N/mm ²)	450 min		680 <--->	692	Qualified
Elongation after fracture(mm)	4 min		5 <--->	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250514AA11	0.017	0.25	0.72	0.032	0.001	8.02	18.53	0.05	0.23	0.042	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N316CNP10003000	PO# NO:
SIZE: M10-1.5 X 30	MATERIAL TYPE: A4(316)	ITEM NO: 1889
MARKING: A4-70 THE	SHIP QTY: 1800 PC	HEAT NO: NY250506AS02
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739105290005
MFR. DATE: 2025/05/23	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/05/29	Test Date: 2025/05/29	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Width Across Flats	16.73	<--->	17	16.83	<--->	16.87	Qualified
Across Corner			18.9 min	19.23	<--->	19.27	Qualified
Head Height	6.22	<--->	6.56	6.46	<--->	6.48	Qualified
Nominal Length	29.58	<--->	30.42	30.09	<--->	30.12	Qualified
Major Diameter	9.732	<--->	9.968	9.841	<--->	9.862	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED			Qualified
Thickness of washer face	0.15	<--->	0.6	0.2	<--->	0.25	Qualified
washer face diameter			15.6 min	15.66	<--->	15.73	Qualified

MECHANICAL PROPERTIES				SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)			700 min	828	<--->	843	Qualified
Yield Strength(N/mm ²)			450 min	680	<--->	692	Qualified
Elongation after fracture(mm)			4 min	5	<--->	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY250506AS02	0.038	0.39	0.96	0.037	0.001	10.02	16.3	2.01	0.18	0.037	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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Zip: 314003

66

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP10003500	PO# NO:	
SIZE:	M10-1.5 X 35	MATERIAL TYPE:	A4(316)	ITEM NO:	1893
MARKING:	A4-70 THE	SHIP QTY:	1560 PC	HEAT NO:	NY250506AT01
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739105310001
MFR. DATE:	2025/05/22	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/05/28	Test Date:	2025/05/28	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<---> 17	16.78	<---> 16.8	Qualified
Across Corner	18.9 min		19.3	<---> 19.41	Qualified
Head Height	6.22	<---> 6.56	6.34	<---> 6.36	Qualified
Nominal Length	34.5	<---> 35.5	34.82	<---> 34.9	Qualified
Major Diameter	9.732	<---> 9.968	9.84	<---> 9.87	Qualified
Pitch Diameter(GO/NOGO)	8.862	<---> 8.994	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.25	<---> 0.3	Qualified
washer face diameter	15.6 min		15.62	<---> 15.66	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		817	<---> 832	Qualified
Yield Strength(N/mm ²)	450 min		666	<---> 678	Qualified
Elongation after fracture(mm)	4 min		5	<---> 6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY250506AT01	0.031	0.42	1.01	0.038	0.001	10.04	16.25	2.01	0.2	0.035	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0931N316CNP2400D100	PO# NO:	
SIZE:	M24-3 X 100	MATERIAL TYPE:	A4(316)	ITEM NO:	5447
MARKING:	A4-70 THE	SHIP QTY:	48 PC	HEAT NO:	DY240831AL04
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN931-1987	LOT NO:	C739124690002
MFR. DATE:	2025/04/20	Product Name:	Hex Head Bolts with Shank	Surface:	Passivated
Sampling Date:	2025/04/26	Test Date:	2025/04/26	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN931-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	35.38	<---> 36	35.52	<---> 35.56	Qualified
Across Corner	39.98 min		40.66	<---> 40.75	Qualified
Head Height	14.78	<---> 15.22	15.13	<---> 15.19	Qualified
Body Diameter	23.67	<---> 24	23.77	<---> 23.79	Qualified
Length of Thread	54	<---> 69	55.24	<---> 55.38	Qualified
Nominal Length	99.3	<---> 100.7	99.8	<---> 99.94	Qualified
Major Diameter	23.577	<---> 23.952	23.582	<---> 23.645	Qualified
Pitch Diameter(GO/NOGO)	21.803	<---> 22.003	PASSED		Qualified
Thickness of washer face	0.2	<---> 0.8	0.6	<---> 0.7	Qualified
washer face diameter	33.6 min		33.62	<---> 33.65	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		747	<---> 762	Qualified
Yield Strength(N/mm ²)	450 min		590	<---> 600	Qualified
Elongation after fracture(mm)	9.6 min		22	<---> 23	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY240831AL04	0.014	0.34	0.95	0.041	0.001	10.07	16.24	2.02	0.32	0.037	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP1000D150B	PO# NO:	
SIZE:	M10-1.5 X 150	MATERIAL TYPE:	A2(304)	ITEM NO:	314354
MARKING:	A2-70 THE	SHIP QTY:	200 PC	HEAT NO:	YDT250416H09
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739141020006
MFR. DATE:	2025/06/06	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/12	Test Date:	2025/06/12	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<---> 17	16.85	<---> 16.87	Qualified
Across Corner	18.9 min		19.33	<---> 19.36	Qualified
Head Height	6.22	<---> 6.56	6.39	<---> 6.42	Qualified
Nominal Length	149.2	<---> 150.8	150.02	<---> 150.08	Qualified
Major Diameter	9.732	<---> 9.968	9.815	<---> 9.896	Qualified
Pitch Diameter(GO/NOGO)	8.862	<---> 8.994	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.55	<---> 0.57	Qualified
washer face diameter	15.6 min		15.65	<---> 15.67	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		858	<---> 873	Qualified
Yield Strength(N/mm ²)	450 min		703	<---> 715	Qualified
Elongation after fracture(mm)	4 min		4	<---> 5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
YDT250416H09	0.037	0.434	1.06	0.034	0.002	8.05	18.13	0.033	0.322	0.061	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

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Zip: 314003

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP1600D150B	PO# NO:	
SIZE:	M16-2 X 150	MATERIAL TYPE:	A2(304)	ITEM NO:	314420
MARKING:	A2-70 THE	SHIP QTY:	160 PC	HEAT NO:	S250305AA07
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739141050002
MFR. DATE:	2025/04/18	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/04/24	Test Date:	2025/04/24	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	23.67	<---> 24	23.75	<---> 23.79	Qualified
Across Corner	26.75 min		27.5	<---> 27.56	Qualified
Head Height	9.82	<---> 10.18	10.02	<---> 10.05	Qualified
Nominal Length	149.2	<---> 150.8	150.2	<---> 150.26	Qualified
Major Diameter	15.682	<---> 15.962	15.715	<---> 15.796	Qualified
Pitch Diameter(GO/NOGO)	14.503	<---> 14.663	PASSED		Qualified
Thickness of washer face	0.2	<---> 0.8	0.6	<---> 0.62	Qualified
washer face diameter	22.5 min		22.51	<---> 22.56	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		833	<---> 848	Qualified
Yield Strength(N/mm ²)	450 min		680	<---> 692	Qualified
Elongation after fracture(mm)	6.4 min		7	<---> 8	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250305AA07	0.023	0.21	0.75	0.036	0.002	8.01	18.28	0.02	0.25	0.052	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Shihao.Wan

Sampler

2025/07/28

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N34CCNP06001000	PO# NO:
SIZE: M6-1 X 10	MATERIAL TYPE: A2(304)	ITEM NO: 210810
MARKING: A2-070 TonG	SHIP QTY: 7800 PC	HEAT NO: S241217AA22
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2011	LOT NO: C739146920001
MFR. DATE: 2025/04/21	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/04/27	Test Date: 2025/04/27	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	ISO7380-1:2011
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	10.07	<---> 10.5	10.2	<---> 10.25	Qualified
Drive Depth	2.08 min		2.32	<---> 2.36	Qualified
Head Height	3	<---> 3.3	3.23	<---> 3.24	Qualified
Drive Width	4.02	<---> 4.09	4.05	<---> 4.07	Qualified
Nominal Length	9.71	<---> 10.29	10.09	<---> 10.1	Qualified
Major Diameter	5.794	<---> 5.974	5.815	<---> 5.882	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO 3506-1:2009	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N.m)	13 min		17.2	<---> 17.3	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S241217AA22	0.015	0.29	0.93	0.034	0.002	8.02	18.28	0.07	0.38	0.062	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP16008000	PO# NO:
SIZE: M16-2 X 80	MATERIAL TYPE: A2(304)	ITEM NO: 4074
MARKING: A2-70 THE	SHIP QTY: 600 PC	HEAT NO: S250305AA08
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739155490015
MFR. DATE: 2025/04/22	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/04/28	Test Date: 2025/04/28	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	23.67	<--->	24	23.72 <---> 23.74	Qualified
Across Corner	26.75 min			27.2 <---> 27.32	Qualified
Head Height	9.82	<--->	10.18	9.94 <---> 9.98	Qualified
Nominal Length	79.4	<--->	80.6	80.08 <---> 80.25	Qualified
Major Diameter	15.682	<--->	15.962	15.682 <---> 15.682	Qualified
Pitch Diameter(GO/NOGO)	14.503	<--->	14.663	PASSED	Qualified
Thickness of washer face	0.2	<--->	0.8	0.45 <---> 0.52	Qualified
washer face diameter	22.5 min			22.52 <---> 22.55	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		784 <---> 799		Qualified
Yield Strength(N/mm ²)	450 min		635 <---> 645		Qualified
Elongation after fracture(mm)	6.4 min		7 <---> 8		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250305AA08	0.016	0.2	0.74	0.037	0.004	8.02	18.19	0.02	0.24	0.055	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP12008000	PO# NO:	
SIZE:	M12-1.75 X 80	MATERIAL TYPE:	A2(304)	ITEM NO:	2588
MARKING:	A2-70 THE	SHIP QTY:	240 PC	HEAT NO:	S250414AA19
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739183540002
MFR. DATE:	2025/04/24	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/04/30	Test Date:	2025/04/30	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987	
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	18.67	<--->	19	18.74 <---> 18.77		Qualified
Across Corner		21.1 min		21.51 <---> 21.57		Qualified
Head Height	7.32	<--->	7.68	7.41 <---> 7.44		Qualified
Nominal Length	79.4	<--->	80.6	80.29 <---> 80.34		Qualified
Major Diameter	11.701	<--->	11.966	11.782 <---> 11.825		Qualified
Pitch Diameter(GO/NOGO)	10.679	<--->	10.829	PASSED		Qualified
Thickness of washer face	0.15	<--->	0.6	0.2 <---> 0.3		Qualified
washer face diameter		17.4 min		17.42 <---> 17.45		Qualified

MECHANICAL PROPERTIES				SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)		700 min		840 <---> 854		Qualified
Yield Strength(N/mm ²)		450 min		690 <---> 700		Qualified
Elongation after fracture(mm)		4.8 min		5 <---> 6		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250414AA19	0.024	0.34	0.99	0.037	0.002	8.02	18.16	0.05	0.28	0.037	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiuqiong.H

Sampler

2025/07/28

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: A0183334CCTP03080101	PO# NO:
SIZE: 3/8-16 X 1"	MATERIAL TYPE: A2(304)	ITEM NO: 116792
MARKING: F837B TONG	SHIP QTY: 1200 PC	HEAT NO: S250221AA02
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: ASME B18.3-12	LOT NO: C739189790001
MFR. DATE: 2025/04/30	Product Name: Hexagon Socket Head Cap Screws	Surface: Passivated
Sampling Date: 2025/05/06	Test Date: 2025/05/06	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(INCH)	SAMPLE STANDARD:		ASME B18.3-12
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	0.55 <---> 0.562	0.554 <--->	0.555	Qualified
Head Height	0.368 <---> 0.375	0.374 <--->	0.375	Qualified
Drive Depth	0.182 <---> 0.225	0.211 <--->	0.212	Qualified
Drive Width	0.313 <---> 0.316	0.313 <--->	0.314	Qualified
Nominal Length	0.97 <---> 1	0.978 <--->	0.985	Qualified
Major Diameter	0.3656 <---> 0.375	0.3673 <--->	0.3681	Qualified
Pitch Diameter(GO/NOGO)	0.3311 <---> 0.3344	PASSED		Qualified

MECHANICAL PROPERTIES	SAMPLE STANDARD:		ASTM F837-08
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	
Core Hardness(HRA)	59 min	59 <--->	59

CHEMICAL COMPOSITION%										
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	N	SAMPLE DETERMINANT
S250221AA02	0.011	0.27	0.93	0.033	0.003	8.02	18.15		0.052	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut, Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CANP06007000B	PO# NO:	
SIZE:	M6-1 X 70	MATERIAL TYPE:	A2(304)	ITEM NO:	314581
MARKING:	A2-70 THE	SHIP QTY:	1080 PC	HEAT NO:	S250121AB27
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739198050003
MFR. DATE:	2025/04/30	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/05/06	Test Date:	2025/05/06	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	9.78	<---> 10.22	9.84	<---> 9.86	Qualified
Head Height	5.7	<---> 6	5.81	<---> 5.97	Qualified
Nominal Length	69.4	<---> 70.6	70.34	<---> 70.36	Qualified
Drive Depth		3 min	3.14	<---> 3.24	Qualified
Drive Width	5.02	<---> 5.14	5.12	<---> 5.14	Qualified
Major Diameter	5.794	<---> 5.974	5.862	<---> 5.885	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)		700 min	777	<---> 793	Qualified
Yield Strength(N/mm ²)		450 min	623	<---> 633	Qualified
Elongation after fracture(mm)		2.4 min	3	<---> 4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250121AB27	0.018	0.24	0.99	0.027	0.001	8.05	18.24	0.01	0.31	0.05	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: J1111434CC0P06002000	PO# NO:
SIZE: M6-1 X 20	MATERIAL TYPE: A2(304)	ITEM NO: 6578
MARKING: NO MARK	SHIP QTY: 4000 PC	HEAT NO: S241127AA14
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: JIS B1111-1996	LOT NO: C739223530001
MFR. DATE: 2025/05/15	Product Name: C.R. Truss Head Screws	Surface: Passivated
Sampling Date: 2025/05/21	Test Date: 2025/05/21	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		JIS B1111-1996
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	13.3	<---> 14	13.56	<---> 13.58	Qualified
Head Height	3.5	<---> 3.9	3.9	<---> 3.9	Qualified
Nominal Length	19	<---> 20	19.42	<---> 19.44	Qualified
Major Diameter	5.794	<---> 5.974	5.9	<---> 5.92	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified
Groove Depth	2.31	<---> 2.86	2.54	<---> 2.58	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		JIS B1054-2001	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	500 min		820	<---> 834	Qualified
Yield Strength(N/mm ²)	210 min		673	<---> 684	Qualified
Elongation after fracture(mm)	3 min		3.5	<---> 3.8	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S241127AA14	0.013	0.28	0.76	0.035	0.001	8.04	18.32	0.03	2.02	0.037	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiaoyang.W

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP10008000	PO# NO:	
SIZE:	M10-1.5 X 80	MATERIAL TYPE:	A2(304)	ITEM NO:	1951
MARKING:	A2-70 THE	SHIP QTY:	300 PC	HEAT NO:	S250426AA26
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739228930001
MFR. DATE:	2025/05/07	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/05/13	Test Date:	2025/05/13	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987	
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<--->	17	16.82 <---> 16.85		Qualified
Across Corner			18.9 min	19.2 <---> 19.22		Qualified
Head Height	6.22	<--->	6.56	6.42 <---> 6.45		Qualified
Nominal Length	79.4	<--->	80.6	79.92 <---> 79.97		Qualified
Major Diameter	9.732	<--->	9.968	9.815 <---> 9.882		Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED		Qualified
Thickness of washer face	0.15	<--->	0.6	0.52 <---> 0.55		Qualified
washer face diameter			15.6 min	15.62 <---> 15.64		Qualified

MECHANICAL PROPERTIES				SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)			700 min	868 <---> 882		Qualified
Yield Strength(N/mm ²)			450 min	715 <---> 725		Qualified
Elongation after fracture(mm)			4 min	4 <---> 5		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250426AA26	0.021	0.36	0.82	0.033	0.002	8.03	18.34	0.04	0.26	0.047	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP06007000B	PO# NO:
SIZE: M6-1 X 70	MATERIAL TYPE: A2(304)	ITEM NO: 314238
MARKING: A2-70 THE	SHIP QTY: 1080 PC	HEAT NO: S250526AA20
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739245680005
MFR. DATE: 2025/06/04	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/06/10	Test Date: 2025/06/10	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SAMPLE STANDARD: DIN933-1987		SAMPLE DETERMINANT
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	9.78 <---> 10	9.8 <--->	9.84	Qualified
Across Corner	11.05 min	11.2 <--->	11.22	Qualified
Head Height	3.85 <---> 4.15	3.95 <--->	3.97	Qualified
Nominal Length	69.4 <---> 70.6	69.79 <--->	69.81	Qualified
Major Diameter	5.794 <---> 5.974	5.794 <--->	5.794	Qualified
Pitch Diameter(GO/NOGO)	5.212 <---> 5.324	PASSED		Qualified
Thickness of washer face	0.15 <---> 0.5	0.15 <--->	0.18	Qualified
washer face diameter	8.9 min	8.9 <--->	8.93	Qualified

MECHANICAL PROPERTIES	SAMPLE STANDARD: ISO3506-1 :2020		SAMPLE DETERMINANT	
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT		
Tensile Strength(N/mm ²)	700 min	835 <--->	850	Qualified
Yield Strength(N/mm ²)	450 min	680 <--->	692	Qualified
Elongation after fracture(mm)	2.4 min	3 <--->	4	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250526AA20	0.022	0.29	0.77	0.031	0.001	8.01	18.1		0.22	0.043	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CC0P04001000B	PO# NO:	
SIZE:	M4-0.7 X 10	MATERIAL TYPE:	A2(304)	ITEM NO:	320918
MARKING:	NO MARK	SHIP QTY:	14400 PC	HEAT NO:	S250225AA17
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739277830001
MFR. DATE:	2025/05/24	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/05/30	Test Date:	2025/05/30	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	6.78	<---> 7	6.86	<---> 6.88	Qualified
Across Corner	7.66 min		7.75	<---> 7.77	Qualified
Head Height	2.68	<---> 2.92	2.84	<---> 2.86	Qualified
Nominal Length	9.71	<---> 10.29	10.18	<---> 10.2	Qualified
Major Diameter	3.838	<---> 3.978	3.9	<---> 3.92	Qualified
Pitch Diameter(GO/NOGO)	3.433	<---> 3.523	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.4	0.25	<---> 0.3	Qualified
washer face diameter	5.9 min		6	<---> 6	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		858	<---> 872	Qualified
Yield Strength(N/mm ²)	450 min		702	<---> 712	Qualified
Elongation after fracture(mm)	1.6 min		2	<---> 2	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250225AA17	0.033	0.37	1.09	0.031	0.002	8.01	18.33	0.02	0.75	0.045	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiaoyang.W

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP08003000	PO# NO:	
SIZE:	M8-1.25 X 30	MATERIAL TYPE:	A4(316)	ITEM NO:	1063
MARKING:	A4-70 THE	SHIP QTY:	1500 PC	HEAT NO:	250510BE04
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739300120003
MFR. DATE:	2025/05/29	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/04	Test Date:	2025/06/04	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Width Across Flats	12.73	<--->	13	12.8 <--->	12.84	Qualified
Across Corner	14.38 min			14.63 <--->	14.65	Qualified
Head Height	5.15	<--->	5.45	5.32 <--->	5.35	Qualified
Nominal Length	29.58	<--->	30.42	29.82 <--->	29.88	Qualified
Major Diameter	7.76	<--->	7.972	7.788 <--->	7.861	Qualified
Pitch Diameter(GO/NOGO)	7.042	<--->	7.16	PASSED		Qualified
Thickness of washer face	0.15	<--->	0.6	0.23 <--->	0.26	Qualified
washer face diameter	11.6 min			11.8 <--->	11.96	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		837 <--->	852	Qualified
Yield Strength(N/mm ²)	450 min		680 <--->	692	Qualified
Elongation after fracture(mm)	3.2 min		4 <--->	5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250510BE04	0.034	0.265	0.971	0.0401	0.0016	10.03	16.74	2.01	0.315	0.037	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Yuncong. Zh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP08003000	PO# NO:	
SIZE:	M8-1.25 X 30	MATERIAL TYPE:	A4(316)	ITEM NO:	1063
MARKING:	A4-70 THE	SHIP QTY:	1500 PC	HEAT NO:	250322BE01
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739300120005
MFR. DATE:	2025/06/01	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/07	Test Date:	2025/06/07	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	12.73	<---> 13	12.8	<---> 12.82	Qualified
Across Corner	14.38 min		14.58	<---> 14.6	Qualified
Head Height	5.15	<---> 5.45	5.22	<---> 5.25	Qualified
Nominal Length	29.58	<---> 30.42	29.7	<---> 29.77	Qualified
Major Diameter	7.76	<---> 7.972	7.8	<---> 7.82	Qualified
Pitch Diameter(GO/NOGO)	7.042	<---> 7.16	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.23	<---> 0.3	Qualified
washer face diameter	11.6 min		11.62	<---> 11.66	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		836	<---> 851	Qualified
Yield Strength(N/mm ²)	450 min		680	<---> 692	Qualified
Elongation after fracture(mm)	3.2 min		4	<---> 5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250322BE01	0.033	0.27	0.976	0.0386	0.0005	10.01	16.58	2.01	0.323	0.0362	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

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Zip: 314003

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N34CC0P06001200	PO# NO:
SIZE: M6-1 X 12	MATERIAL TYPE: A2(304)	ITEM NO: 7478
MARKING: NO MARK	SHIP QTY: 7200 PC	HEAT NO: DY250504AN19
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2011	LOT NO: C739302490002
MFR. DATE: 2025/05/27	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/06/02	Test Date: 2025/06/02	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	ISO7380-1:2011
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	10.07	<---> 10.5	10.12	<---> 10.15	Qualified
Drive Depth	2.08 min		2.34	<---> 2.61	Qualified
Head Height	3	<---> 3.3	3.14	<---> 3.18	Qualified
Drive Width	4.02	<---> 4.09	4.07	<---> 4.09	Qualified
Nominal Length	11.65	<---> 12.35	11.76	<---> 11.92	Qualified
Major Diameter	5.794	<---> 5.974	5.852	<---> 5.876	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO 3506-1:2009	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N.m)	13 min		17.5	<---> 17.6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250504AN19	0.014	0.3	0.95	0.035	0.003	8.04	18.17	0.06	0.25	0.061	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CANP08005000	PO# NO:
SIZE: M8-1.25 X 50	MATERIAL TYPE: A2(304)	ITEM NO: 1376
MARKING: A2-70 THE	SHIP QTY: 780 PC	HEAT NO: S250504AA09
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739308020002
MFR. DATE: 2025/05/17	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/05/23	Test Date: 2025/05/23	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	12.73	<--->	13.27	12.79	<--->	12.82	Qualified
Head Height	7.64	<--->	8	7.77	<--->	7.97	Qualified
Nominal Length	49.5	<--->	50.5	50	<--->	50.13	Qualified
Drive Depth			4 min	4.15	<--->	4.21	Qualified
Drive Width	6.02	<--->	6.14	6.12	<--->	6.14	Qualified
Major Diameter	7.76	<--->	7.972	7.812	<--->	7.856	Qualified
Pitch Diameter(GO/NOGO)	7.042	<--->	7.16	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700	min	768	<--->	777	Qualified
Yield Strength(N/mm ²)	450	min	612	<--->	622	Qualified
Elongation after fracture(mm)	3.2	min	4	<--->	5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250504AA09	0.027	0.32	0.99	0.032	0.002	8.02	18.22	0.07	0.27	0.06	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CANP05005000	PO# NO:
SIZE: M5-0.8 X 50	MATERIAL TYPE: A2(304)	ITEM NO: 413
MARKING: A2-70 THE	SHIP QTY: 2000 PC	HEAT NO: S250418AA24
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739321230001
MFR. DATE: 2025/05/30	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/06/05	Test Date: 2025/06/05	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Head Diameter	8.28	<--->	8.72	8.35 <--->	8.37	Qualified
Head Height	4.82	<--->	5	4.88 <--->	4.9	Qualified
Nominal Length	49.5	<--->	50.5	49.89 <--->	50.13	Qualified
Drive Depth	2.5 min			2.91 <--->	2.93	Qualified
Drive Width	4.02	<--->	4.09	4.05 <--->	4.08	Qualified
Major Diameter	4.826	<--->	4.976	4.83 <--->	4.85	Qualified
Pitch Diameter(GO/NOGO)	4.361	<--->	4.456	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		855 <--->	870	Qualified
Yield Strength(N/mm ²)	450 min		700 <--->	710	Qualified
Elongation after fracture(mm)	2 min		3 <--->	4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250418AA24	0.031	0.33	1.05	0.033	0.002	8.01	18.24	0.02	0.72	0.043	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP06003000	PO# NO:
SIZE: M6-1 X 30	MATERIAL TYPE: A2(304)	ITEM NO: 863
MARKING: A2-70 THE	SHIP QTY: 2400 PC	HEAT NO: DY250308AP01
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739322000003
MFR. DATE: 2025/05/16	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/05/22	Test Date: 2025/05/22	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Head Diameter	9.78	<---> 10.22	9.86 <---> 9.92		Qualified
Head Height	5.7	<---> 6	5.78 <---> 5.8		Qualified
Nominal Length	29.58	<---> 30.42	29.99 <---> 30.01		Qualified
Drive Depth		3 min	3.36 <---> 3.56		Qualified
Drive Width	5.02	<---> 5.14	5.12 <---> 5.14		Qualified
Major Diameter	5.794	<---> 5.974	5.852 <---> 5.876		Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Tensile Strength(N/mm ²)	700 min	752 <---> 767		Qualified
Yield Strength(N/mm ²)	450 min	602 <---> 612		Qualified
Elongation after fracture(mm)	2.4 min	3 <---> 4		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250308AP01	0.016	0.41	1.01	0.027	0.002	8.03	18.11	0.03	0.26	0.065	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP06004000	PO# NO:	
SIZE:	M6-1 X 40	MATERIAL TYPE:	A4(316)	ITEM NO:	589
MARKING:	A4-70 THE	SHIP QTY:	2100 PC	HEAT NO:	NY240514AW14
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739322870004
MFR. DATE:	2025/05/29	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/04	Test Date:	2025/06/04	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION		SAMPLE STANDARD:	DIN933-1987	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats		9.78	<---> 10			9.85 <---> 9.9	Qualified
Across Corner			11.05 min			11.25 <---> 11.28	Qualified
Head Height		3.85	<---> 4.15			4.04 <---> 4.06	Qualified
Nominal Length		39.5	<---> 40.5			39.95 <---> 39.97	Qualified
Major Diameter		5.794	<---> 5.974			5.877 <---> 5.915	Qualified
Pitch Diameter(GO/NOGO)		5.212	<---> 5.324			PASSED	Qualified
Thickness of washer face		0.15	<---> 0.5			0.23 <---> 0.26	Qualified
washer face diameter			8.9 min			9.11 <---> 9.14	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	IS03506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min			824 <---> 839	Qualified
Yield Strength(N/mm ²)	450 min			680 <---> 692	Qualified
Elongation after fracture(mm)	2.4 min			3 <---> 4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY240514AW14	0.016	0.39	1.07	0.035	0.002	10.01	16.2	2.01	0.33	0.041	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Yuncong. Zh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP1600D100	PO# NO:
SIZE: M16-2 X 100	MATERIAL TYPE: A2(304)	ITEM NO: 4094
MARKING: A2-70 THE	SHIP QTY: 120 PC	HEAT NO: S250421AA25
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739348120012
MFR. DATE: 2025/05/19	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/05/25	Test Date: 2025/05/25	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION		SAMPLE STANDARD: DIN933-1987		ACTUAL RESULT	SAMPLE DETERMINANT
CHARACTERISTICS							
Width Across Flats	23.67	<--->	24	23.74	<--->	23.78	Qualified
Across Corner			26.75 min	27.32	<--->	27.37	Qualified
Head Height	9.82	<--->	10.18	9.93	<--->	9.96	Qualified
Nominal Length	99.3	<--->	100.7	100.22	<--->	100.42	Qualified
Major Diameter	15.682	<--->	15.962	15.702	<--->	15.745	Qualified
Pitch Diameter(GO/NOGO)	14.503	<--->	14.663	PASSED			Qualified
Thickness of washer face	0.2	<--->	0.8	0.3	<--->	0.4	Qualified
washer face diameter			22.5 min	22.56	<--->	22.6	Qualified

MECHANICAL PROPERTIES	SPECIFICATION		SAMPLE STANDARD: ISO3506-1 :2020		ACTUAL RESULT	SAMPLE DETERMINANT	
CHARACTERISTICS							
Tensile Strength(N/mm ²)		700 min		792	<--->	807	Qualified
Yield Strength(N/mm ²)		450 min		646	<--->	656	Qualified
Elongation after fracture(mm)		6.4 min		7	<--->	8	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250421AA25	0.023	0.33	0.82	0.028	0.003	8.15	18.37	0.03	0.21	0.034	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

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87

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CCNP06003000	PO# NO:	
SIZE:	M6-1 X 30	MATERIAL TYPE:	A2(304)	ITEM NO:	863
MARKING:	A2-70 THE	SHIP QTY:	2400 PC	HEAT NO:	DY250405AP15
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739356340003
MFR. DATE:	2025/05/19	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/05/25	Test Date:	2025/05/25	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	9.78	<---> 10.22	9.93	<---> 9.98	Qualified
Head Height	5.7	<---> 6	5.84	<---> 5.86	Qualified
Nominal Length	29.58	<---> 30.42	30.01	<---> 30.03	Qualified
Drive Depth		3 min	3.45	<---> 3.53	Qualified
Drive Width	5.02	<---> 5.14	5.08	<---> 5.1	Qualified
Major Diameter	5.794	<---> 5.974	5.912	<---> 5.931	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)		700 min	756	<---> 771	Qualified
Yield Strength(N/mm ²)		450 min	606	<---> 616	Qualified
Elongation after fracture(mm)		2.4 min	3	<---> 4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250405AP15	0.014	0.43	0.96	0.034	0.002	8	18.11	0.05	0.23	0.063	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

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Zip: 314003

88

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP06005000	PO# NO:
SIZE: M6-1 X 50	MATERIAL TYPE: A2(304)	ITEM NO: 600
MARKING: A2-70 THE	SHIP QTY: 1500 PC	HEAT NO: 250523BE14
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739381340003
MFR. DATE: 2025/05/30	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/06/05	Test Date: 2025/06/05	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION		SAMPLE STANDARD:	DIN933-1987	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	9.78	<--->	10	9.85	<--->	9.88	Qualified
Across Corner			11.05 min	11.14	<--->	11.16	Qualified
Head Height	3.85	<--->	4.15	4.01	<--->	4.04	Qualified
Nominal Length	49.5	<--->	50.5	49.96	<--->	50.04	Qualified
Major Diameter	5.794	<--->	5.974	5.861	<--->	5.912	Qualified
Pitch Diameter(GO/NOGO)	5.212	<--->	5.324	PASSED			Qualified
Thickness of washer face	0.15	<--->	0.5	0.15	<--->	0.17	Qualified
washer face diameter			8.9 min	9.12	<--->	9.23	Qualified

MECHANICAL PROPERTIES	SPECIFICATION		SAMPLE STANDARD:	ISO3506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)		700 min	856	<--->	873	Qualified
Yield Strength(N/mm ²)		450 min	703	<--->	715	Qualified
Elongation after fracture(mm)		2.4 min	3	<--->	4	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
250523BE14	0.019	0.404	1.064	0.0364	0.002	8.02	18.11	0.09	0.307	0.0651	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP0600D100B	PO# NO:
SIZE: M6-1 X 100	MATERIAL TYPE: A2(304)	ITEM NO: 314257
MARKING: A2-70 THE	SHIP QTY: 720 PC	HEAT NO: S250526AA20
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739388760008
MFR. DATE: 2025/06/03	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/06/09	Test Date: 2025/06/09	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SAMPLE STANDARD: DIN933-1987		SAMPLE DETERMINANT
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	9.78 <---> 10	9.86 <--->	9.94	Qualified
Across Corner	11.05 min	11.27 <--->	11.29	Qualified
Head Height	3.85 <---> 4.15	4.03 <--->	4.05	Qualified
Nominal Length	99.3 <---> 100.7	100.28 <--->	100.31	Qualified
Major Diameter	5.794 <---> 5.974	5.794 <--->	5.865	Qualified
Pitch Diameter(GO/NOGO)	5.212 <---> 5.324	PASSED		Qualified
Thickness of washer face	0.15 <---> 0.5	0.15 <--->	0.18	Qualified
washer face diameter	8.9 min	8.9 <--->	8.93	Qualified

MECHANICAL PROPERTIES	SAMPLE STANDARD: ISO3506-1 :2020		SAMPLE DETERMINANT	
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT		
Tensile Strength(N/mm ²)	700 min	809 <--->	824	Qualified
Yield Strength(N/mm ²)	450 min	650 <--->	660	Qualified
Elongation after fracture(mm)	2.4 min	3 <--->	4	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250526AA20	0.022	0.29	0.77	0.031	0.001	8.01	18.1		0.22	0.043	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP08003500	PO# NO:	
SIZE:	M8-1.25 X 35	MATERIAL TYPE:	A4(316)	ITEM NO:	1068
MARKING:	A4-70 THE	SHIP QTY:	1380 PC	HEAT NO:	250510BE04
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739413470003
MFR. DATE:	2025/05/31	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/06	Test Date:	2025/06/06	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	12.73	<---> 13	12.84	<---> 12.86	Qualified
Across Corner	14.38 min		14.67	<---> 14.7	Qualified
Head Height	5.15	<---> 5.45	5.27	<---> 5.29	Qualified
Nominal Length	34.5	<---> 35.5	35.11	<---> 35.13	Qualified
Major Diameter	7.76	<---> 7.972	7.841	<---> 7.872	Qualified
Pitch Diameter(GO/NOGO)	7.042	<---> 7.16	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.18	<---> 0.2	Qualified
washer face diameter	11.6 min		11.66	<---> 11.73	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		818	<---> 833	Qualified
Yield Strength(N/mm ²)	450 min		666	<---> 678	Qualified
Elongation after fracture(mm)	3.2 min		4	<---> 5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250510BE04	0.034	0.265	0.971	0.0401	0.0016	10.03	16.74	2.01	0.315	0.037	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP06004000	PO# NO:
SIZE: M6-1 X 40	MATERIAL TYPE: A2(304)	ITEM NO: 590
MARKING: A2-70 THE	SHIP QTY: 4200 PC	HEAT NO: S250609AA07
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739414110003
MFR. DATE: 2025/07/04	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/07/10	Test Date: 2025/07/10	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SAMPLE STANDARD: DIN933-1987		SAMPLE DETERMINANT
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	9.78 <---> 10	9.82 <--->	9.85	Qualified
Across Corner	11.05 min	11.25 <--->	11.28	Qualified
Head Height	3.85 <---> 4.15	4 <--->	4.08	Qualified
Nominal Length	39.5 <---> 40.5	40.03 <--->	40.08	Qualified
Major Diameter	5.794 <---> 5.974	5.85 <--->	5.87	Qualified
Pitch Diameter(GO/NOGO)	5.212 <---> 5.324	PASSED		Qualified
Thickness of washer face	0.15 <---> 0.5	0.15 <--->	0.23	Qualified
washer face diameter	8.9 min	8.92 <--->	8.95	Qualified

MECHANICAL PROPERTIES	SAMPLE STANDARD: ISO3506-1 :2020		SAMPLE DETERMINANT
CHARACTERISTICS	SPECIFICATION	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min	810 <---> 825	Qualified
Yield Strength(N/mm ²)	450 min	660 <---> 670	Qualified
Elongation after fracture(mm)	2.4 min	3 <---> 4	Qualified

CHEMICAL COMPOSITION%												SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT	
S250609AA07	0.021	0.27	0.78	0.035	0.001	8.02	18.22	0.06	0.23	0.047	Qualified	

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP08004000	PO# NO:	
SIZE:	M8-1.25 X 40	MATERIAL TYPE:	A4(316)	ITEM NO:	1073
MARKING:	A4-70 THE	SHIP QTY:	1200 PC	HEAT NO:	250421BE03
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739423180005
MFR. DATE:	2025/06/16	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/22	Test Date:	2025/06/22	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	12.73	<---> 13	12.8	<---> 12.84	Qualified
Across Corner	14.38 min		14.63	<---> 14.65	Qualified
Head Height	5.15	<---> 5.45	5.25	<---> 5.3	Qualified
Nominal Length	39.5	<---> 40.5	39.72	<---> 39.84	Qualified
Major Diameter	7.76	<---> 7.972	7.842	<---> 7.875	Qualified
Pitch Diameter(GO/NOGO)	7.042	<---> 7.16	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.15	<---> 0.2	Qualified
washer face diameter	11.6 min		11.6	<---> 11.65	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		853	<---> 868	Qualified
Yield Strength(N/mm ²)	450 min		703	<---> 715	Qualified
Elongation after fracture(mm)	3.2 min		4	<---> 5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250421BE03	0.034	0.22	0.969	0.0355	0.0014	10.02	16.62	2.02	0.312	0.0287	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CCNP08002000	PO# NO:	
SIZE:	M8-1.25 X 20	MATERIAL TYPE:	A2(304)	ITEM NO:	1350
MARKING:	A2-70 THE	SHIP QTY:	3000 PC	HEAT NO:	DY250508AP10
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739443200001
MFR. DATE:	2025/06/07	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/06/13	Test Date:	2025/06/13	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	12.73	<--->	13.27	12.88	<--->	12.9	Qualified
Head Height	7.64	<--->	8	7.84	<--->	7.86	Qualified
Nominal Length	19.58	<--->	20.42	20.03	<--->	20.16	Qualified
Drive Depth		4 min		4.5	<--->	4.52	Qualified
Drive Width	6.02	<--->	6.14	6.04	<--->	6.07	Qualified
Major Diameter	7.76	<--->	7.972	7.76	<--->	7.76	Qualified
Pitch Diameter(GO/NOGO)	7.042	<--->	7.16	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700 min		768	<--->	783	Qualified
Yield Strength(N/mm ²)	450 min		613	<--->	622	Qualified
Elongation after fracture(mm)	3.2 min		4	<--->	5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250508AP10	0.012	0.35	1.03	0.037	0.002	8.03	18.18	0.01	0.2	0.072	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yuncong. Zh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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94

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CANP05004000	PO# NO:
SIZE: M5-0.8 X 40	MATERIAL TYPE: A2(304)	ITEM NO: 409
MARKING: A2-70 THE	SHIP QTY: 2500 PC	HEAT NO: S250610AA02
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739491440003
MFR. DATE: 2025/06/28	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/07/04	Test Date: 2025/07/04	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Head Diameter	8.28	<---> 8.72	8.3 <---> 8.32		Qualified
Head Height	4.82	<---> 5	4.86 <---> 4.96		Qualified
Nominal Length	39.5	<---> 40.5	40.02 <---> 40.05		Qualified
Drive Depth		2.5 min	3.24 <---> 3.35		Qualified
Drive Width	4.02	<---> 4.09	4.07 <---> 4.09		Qualified
Major Diameter	4.826	<---> 4.976	4.862 <---> 4.885		Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Tensile Strength(N/mm ²)	700 min	835 <---> 850		Qualified
Yield Strength(N/mm ²)	450 min	680 <---> 692		Qualified
Elongation after fracture(mm)	2 min	3 <---> 4		Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250610AA02	0.025	0.32	1.17	0.033	0.003	8.02	18.3	0.02	0.73	0.038	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP10004000	PO# NO:	
SIZE:	M10-1.5 X 40	MATERIAL TYPE:	A4(316)	ITEM NO:	1898
MARKING:	A4-70 THE	SHIP QTY:	600 PC	HEAT NO:	S250330AA19
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739514440002
MFR. DATE:	2025/06/05	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/11	Test Date:	2025/06/11	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<--->	17	16.88 <---> 16.91	Qualified
Across Corner	18.9 min		19.32 <---> 19.34		Qualified
Head Height	6.22	<--->	6.56	6.5 <---> 6.53	Qualified
Nominal Length	39.5	<--->	40.5	39.9 <---> 39.93	Qualified
Major Diameter	9.732	<--->	9.968	9.805 <---> 9.844	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED	Qualified
Thickness of washer face	0.15	<--->	0.6	0.22 <---> 0.25	Qualified
washer face diameter	15.6 min		15.68 <---> 15.7		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		814 <---> 829		Qualified
Yield Strength(N/mm ²)	450 min		666 <---> 678		Qualified
Elongation after fracture(mm)	4 min		5 <---> 6		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250330AA19	0.033	0.33	0.96	0.029	0.001	10.01	16.4	2.03	0.33	0.036	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Yuncong. Zh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP10002000	PO# NO:	
SIZE:	M10-1.5 X 20	MATERIAL TYPE:	A2(304)	ITEM NO:	1886
MARKING:	A2-70 THE	SHIP QTY:	1200 PC	HEAT NO:	YDT250216G02
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739516620006
MFR. DATE:	2025/06/12	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/18	Test Date:	2025/06/18	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Width Across Flats	16.73	<--->	17	16.78	<--->	16.82	Qualified
Across Corner	18.9 min			19.12	<--->	19.2	Qualified
Head Height	6.22	<--->	6.56	6.27	<--->	6.4	Qualified
Nominal Length	19.58	<--->	20.42	19.81	<--->	19.83	Qualified
Major Diameter	9.732	<--->	9.968	9.752	<--->	9.785	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED			Qualified
Thickness of washer face	0.15	<--->	0.6	0.2	<--->	0.25	Qualified
washer face diameter	15.6 min			15.63	<--->	15.65	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Breaking Torque(N.m)	65 min		95	<--->	98	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
YDT250216G02	0.036	0.351	1.09	0.03	0.002	8.04	18.13	0.05	0.32	0.062	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP08002000	PO# NO:	
SIZE:	M8-1.25 X 20	MATERIAL TYPE:	A2(304)	ITEM NO:	1058
MARKING:	A2-70 THE	SHIP QTY:	8400 PC	HEAT NO:	250523BE07
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739534530002
MFR. DATE:	2025/06/17	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/23	Test Date:	2025/06/23	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Width Across Flats	12.73	<--->	13	12.78	<--->	12.8	Qualified
Across Corner			14.38 min	14.6	<--->	14.62	Qualified
Head Height	5.15	<--->	5.45	5.25	<--->	5.29	Qualified
Nominal Length	19.58	<--->	20.42	20	<--->	20.02	Qualified
Major Diameter	7.76	<--->	7.972	7.762	<--->	7.835	Qualified
Pitch Diameter(GO/NOGO)	7.042	<--->	7.16	PASSED			Qualified
Thickness of washer face	0.15	<--->	0.6	0.15	<--->	0.2	Qualified
washer face diameter			11.6 min	11.6	<--->	11.65	Qualified

MECHANICAL PROPERTIES				SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)			700 min	835	<--->	850	Qualified
Yield Strength(N/mm ²)			450 min	680	<--->	692	Qualified
Elongation after fracture(mm)			3.2 min	4	<--->	5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250523BE07	0.02	0.318	0.985	0.0356	0.0017	8.01	18.23	0.11	0.479	0.0638	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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ADD: 88 ChangSheng RD., E. D. Zone, JiaXing, ZheJiang, China	Zip: 314003		98

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP08006000	PO# NO:	
SIZE:	M8-1.25 X 60	MATERIAL TYPE:	A2(304)	ITEM NO:	1093
MARKING:	A2-70 THE	SHIP QTY:	720 PC	HEAT NO:	250523CE11
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739534750003
MFR. DATE:	2025/06/13	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/19	Test Date:	2025/06/19	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	12.73	<---> 13	12.84	<---> 12.86	Qualified
Across Corner	14.38 min		14.67	<---> 14.7	Qualified
Head Height	5.15	<---> 5.45	5.28	<---> 5.31	Qualified
Nominal Length	59.4	<---> 60.6	60.1	<---> 60.18	Qualified
Major Diameter	7.76	<---> 7.972	7.84	<---> 7.87	Qualified
Pitch Diameter(GO/NOGO)	7.042	<---> 7.16	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.23	<---> 0.3	Qualified
washer face diameter	11.6 min		11.62	<---> 11.66	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		834	<---> 849	Qualified
Yield Strength(N/mm ²)	450 min		680	<---> 692	Qualified
Elongation after fracture(mm)	3.2 min		4	<---> 5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
250523CE11	0.017	0.338	1.022	0.0354	0.002	8.03	18.24	0.12	0.383	0.0647	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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99

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP08005000	PO# NO:	
SIZE:	M8-1.25 X 50	MATERIAL TYPE:	A2(304)	ITEM NO:	1083
MARKING:	A2-70 THE	SHIP QTY:	3600 PC	HEAT NO:	S250504AA01
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739552680005
MFR. DATE:	2025/07/04	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/07/10	Test Date:	2025/07/10	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Width Across Flats	12.73	<--->	13	12.82	<--->	12.85	Qualified
Across Corner			14.38 min	14.62	<--->	14.64	Qualified
Head Height	5.15	<--->	5.45	5.36	<--->	5.39	Qualified
Nominal Length	49.5	<--->	50.5	49.96	<--->	50.2	Qualified
Major Diameter	7.76	<--->	7.972	7.785	<--->	7.889	Qualified
Pitch Diameter(GO/NOGO)	7.042	<--->	7.16	PASSED			Qualified
Thickness of washer face	0.15	<--->	0.6	0.5	<--->	0.51	Qualified
washer face diameter			11.6 min	11.62	<--->	11.65	Qualified

MECHANICAL PROPERTIES				SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)			700 min	809	<--->	824	Qualified
Yield Strength(N/mm ²)			450 min	650	<--->	660	Qualified
Elongation after fracture(mm)			3.2 min	4	<--->	5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250504AA01	0.023	0.32	0.79	0.028	0.002	8.02	18.21	0.05	0.21	0.048	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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100

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N34CCNP06001600	PO# NO:
SIZE: M6-1 X 16	MATERIAL TYPE: A2(304)	ITEM NO: 211417
MARKING: A2-070 TonG	SHIP QTY: 5400 PC	HEAT NO: DY241004AP18
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2011	LOT NO: C739557020001
MFR. DATE: 2025/06/16	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/06/22	Test Date: 2025/06/22	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	ISO7380-1:2011
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	10.07	<---> 10.5	10.2	<---> 10.24	Qualified
Drive Depth	2.08 min		2.3	<---> 2.33	Qualified
Head Height	3	<---> 3.3	3.1	<---> 3.12	Qualified
Drive Width	4.02	<---> 4.09	4.05	<---> 4.08	Qualified
Nominal Length	15.65	<---> 16.35	15.85	<---> 15.93	Qualified
Major Diameter	5.794	<---> 5.974	5.8	<---> 5.84	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO 3506-1:2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	560 min		758	<---> 772	Qualified
Yield Strength(N/mm ²)	450 min		603	<---> 615	Qualified
Elongation after fracture(mm)	2.4 min		3	<---> 4	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
DY241004AP18	0.021	0.36	1.15	0.034	0.003	8.01	18.34	0.16	0.72	0.047	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP06006000B	PO# NO:
SIZE: M6-1 X 60	MATERIAL TYPE: A2(304)	ITEM NO: 314230
MARKING: A2-70 THE	SHIP QTY: 1200 PC	HEAT NO: S250623AA16
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739562270002
MFR. DATE: 2025/06/29	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/07/05	Test Date: 2025/07/05	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN933-1987	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	9.78	<---> 10	9.85	<--->	9.87	Qualified
Across Corner		11.05 min	11.08	<--->	11.1	Qualified
Head Height	3.85	<---> 4.15	3.94	<--->	3.96	Qualified
Nominal Length	59.4	<---> 60.6	59.98	<--->	60.06	Qualified
Major Diameter	5.794	<---> 5.974	5.891	<--->	5.942	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED			Qualified
Thickness of washer face	0.15	<---> 0.5	0.15	<--->	0.17	Qualified
washer face diameter		8.9 min	9.12	<--->	9.23	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	IS03506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min	773	<--->	788	Qualified
Yield Strength(N/mm ²)	450 min	623	<--->	633	Qualified
Elongation after fracture(mm)	2.4 min	3	<--->	4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250623AA16	0.017	0.29	0.75	0.034	0.002	8.02	18.19	0.02	0.27	0.031	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP10005000	PO# NO:	
SIZE:	M10-1.5 X 50	MATERIAL TYPE:	A2(304)	ITEM NO:	1910
MARKING:	A2-70 THE	SHIP QTY:	3000 PC	HEAT NO:	S250519AA13
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739588890002
MFR. DATE:	2025/06/11	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/17	Test Date:	2025/06/17	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<--->	17	16.82 <---> 16.85	Qualified
Across Corner	18.9 min		19.32 <---> 19.36		Qualified
Head Height	6.22	<--->	6.56	6.35 <---> 6.38	Qualified
Nominal Length	49.5	<--->	50.5	50.05 <---> 50.09	Qualified
Major Diameter	9.732	<--->	9.968	9.815 <---> 9.889	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED	Qualified
Thickness of washer face	0.15	<--->	0.6	0.55 <---> 0.57	Qualified
washer face diameter	15.6 min		15.62 <---> 15.66		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		780 <---> 795		Qualified
Yield Strength(N/mm ²)	450 min		630 <---> 640		Qualified
Elongation after fracture(mm)	4 min		4 <---> 5		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250519AA13	0.023	0.29	0.73	0.032	0.001	8.01	18.26	0.02	0.26	0.035	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N316CNP06001600	PO# NO:
SIZE: M6-1 X 16	MATERIAL TYPE: A4(316)	ITEM NO: 568
MARKING: A4-70 THE	SHIP QTY: 4800 PC	HEAT NO: S250504AA29
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739604450001
MFR. DATE: 2025/06/16	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/06/22	Test Date: 2025/06/22	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	9.78	<---> 10	9.86	<---> 9.88	Qualified
Across Corner	11.05 min		11.25	<---> 11.3	Qualified
Head Height	3.85	<---> 4.15	3.95	<---> 3.98	Qualified
Nominal Length	15.65	<---> 16.35	16	<---> 16.05	Qualified
Major Diameter	5.794	<---> 5.974	5.91	<---> 5.93	Qualified
Pitch Diameter(G0/N0G0)	5.212	<---> 5.324	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.5	0.15	<---> 0.23	Qualified
washer face diameter	8.9 min		8.92	<---> 8.95	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		820	<---> 834	Qualified
Elongation after fracture(mm)	2.4 min		3	<---> 4	Qualified
Yield Strength(N/mm ²)	450 min		718	<---> 730	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250504AA29	0.03	0.28	1.04	0.03	0.001	10.03	16.21	2.04	0.19	0.033	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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104

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP16004000	PO# NO:
SIZE: M16-2 X 40	MATERIAL TYPE: A2(304)	ITEM NO: 4032
MARKING: A2-70 THE	SHIP QTY: 240 PC	HEAT NO: S250526AA19
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739608320005
MFR. DATE: 2025/06/30	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/07/06	Test Date: 2025/07/06	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	23.67	<---> 24	23.75	<---> 23.78	Qualified
Across Corner	26.75 min		27.23	<---> 27.25	Qualified
Head Height	9.82	<---> 10.18	10.07	<---> 10.18	Qualified
Nominal Length	39.5	<---> 40.5	40.15	<---> 40.21	Qualified
Major Diameter	15.682	<---> 15.962	15.77	<---> 15.81	Qualified
Pitch Diameter(GO/NOGO)	14.503	<---> 14.663	PASSED		Qualified
Thickness of washer face	0.2	<---> 0.8	0.45	<---> 0.52	Qualified
washer face diameter	22.5 min		22.52	<---> 22.55	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		796	<---> 809	Qualified
Yield Strength(N/mm ²)	450 min		646	<---> 656	Qualified
Elongation after fracture(mm)	6.4 min		7	<---> 8	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250526AA19	0.022	0.47	0.76	0.033	0.001	8.02	18.08	0.03	0.22	0.054	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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Zip: 314003

105

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CA0P04004000B	PO# NO:	
SIZE:	M4-0.7 X 40	MATERIAL TYPE:	A2(304)	ITEM NO:	320995
MARKING:	NO MARK	SHIP QTY:	4000 PC	HEAT NO:	S250104AA15
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739618120001
MFR. DATE:	2025/06/19	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/06/25	Test Date:	2025/06/25	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	6.78	<---> 7.22	6.92	<---> 6.94	Qualified
Head Height	3.82	<---> 4	4	<---> 4	Qualified
Nominal Length	39.5	<---> 40.5	40.05	<---> 40.07	Qualified
Major Diameter	3.838	<---> 3.978	3.9	<---> 3.92	Qualified
Pitch Diameter(GO/NOGO)	3.433	<---> 3.523	PASSED		Qualified
Drive Depth		2 min	2	<---> 2.02	Qualified
Drive Width	3.02	<---> 3.08	3.02	<---> 3.04	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		817	<---> 822	Qualified
Yield Strength(N/mm ²)	450 min		683	<---> 693	Qualified
Elongation after fracture(mm)	1.6 min		2	<---> 2	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250104AA15	0.025	0.23	1.05	0.029	0.002	8.01	18.18	0.04	0.72	0.038	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiaoyang.W

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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ADD: 88 ChangSheng RD., E. D. Zone, JiaXing, ZheJiang, China	Zip: 314003		106

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CANP06003500	PO# NO:
SIZE: M6-1 X 35	MATERIAL TYPE: A2(304)	ITEM NO: 866
MARKING: A2-70 THE	SHIP QTY: 4200 PC	HEAT NO: DY240712AP21
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739620540002
MFR. DATE: 2025/06/17	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/06/23	Test Date: 2025/06/23	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	9.78	<--->	10.22	9.89	<--->	9.93	Qualified
Head Height	5.7	<--->	6	5.78	<--->	5.9	Qualified
Nominal Length	34.5	<--->	35.5	35.1	<--->	35.12	Qualified
Drive Depth			3 min	3.62	<--->	3.69	Qualified
Drive Width	5.02	<--->	5.14	5.04	<--->	5.08	Qualified
Major Diameter	5.794	<--->	5.974	5.891	<--->	5.912	Qualified
Pitch Diameter(GO/NOGO)	5.212	<--->	5.324	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Tensile Strength(N/mm ²)	700	min	766	<--->	781	Qualified
Yield Strength(N/mm ²)	450	min	616	<--->	626	Qualified
Elongation after fracture(mm)	2.4	min	3	<--->	4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY240712AP21	0.017	0.38	1.01	0.034	0.005	8.01	18.29	0.01	0.28	0.054	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CANP06004000	PO# NO:	
SIZE:	M6-1 X 40	MATERIAL TYPE:	A2(304)	ITEM NO:	871
MARKING:	A2-70 THE	SHIP QTY:	1800 PC	HEAT NO:	DY250508AN07
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739620580002
MFR. DATE:	2025/06/30	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/07/06	Test Date:	2025/07/06	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	9.78	<---> 10.22	9.98	<---> 10.02	Qualified
Head Height	5.7	<---> 6	5.82	<---> 5.87	Qualified
Nominal Length	39.5	<---> 40.5	40.13	<---> 40.16	Qualified
Drive Depth		3 min	3.92	<---> 3.95	Qualified
Drive Width	5.02	<---> 5.14	5.06	<---> 5.08	Qualified
Major Diameter	5.794	<---> 5.974	5.852	<---> 5.916	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)		700 min	716	<---> 731	Qualified
Yield Strength(N/mm ²)		450 min	565	<---> 578	Qualified
Elongation after fracture(mm)		2.4 min	3	<---> 4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250508AN07	0.015	0.35	1.01	0.041	0.002	8.02	18.2	0.03	0.24	0.065	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D7991N34CCNP06002000	PO# NO:
SIZE: M6-1.0 X 20	MATERIAL TYPE: A2(304)	ITEM NO: 115252
MARKING: A2-70 THE	SHIP QTY: 4200 PC	HEAT NO: DY250409AP20
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN7991-1986	LOT NO: C739644600001
MFR. DATE: 2025/06/20	Product Name: Hex Socket C. S. Head Screws	Surface: Passivated
Sampling Date: 2025/06/26	Test Date: 2025/06/26	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN7991-1986
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	11.57	<--->	12	11.7 <---> 11.78	Qualified
Head Height			3.72 max	3.58 <---> 3.6	Qualified
Head Anglae	90	<--->	92	90 <---> 92	Qualified
Nominal Length	19.65	<--->	20.35	19.74 <---> 19.91	Qualified
Drive Depth	2.25	<--->	2.5	2.5 <---> 2.5	Qualified
Drive Width	4.02	<--->	4.09	4.06 <---> 4.08	Qualified
Major Diameter	5.794	<--->	5.974	5.891 <---> 5.912	Qualified
Pitch Diameter(GO/NOGO)	5.212	<--->	5.324	PASSED	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT
Tensile Strength(N/mm ²)		700 min		770 <---> 784
Yield Strength(N/mm ²)		450 min		620 <---> 630
Elongation after fracture(mm)		2.4 min		3 <---> 4

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250409AP20	0.021	0.31	1.02	0.026	0.003	8.02	18.34	0.03	0.72	0.041	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP10002500	PO# NO:	
SIZE:	M10-1.5 X 25	MATERIAL TYPE:	A2(304)	ITEM NO:	1888
MARKING:	A2-70 THE	SHIP QTY:	900 PC	HEAT NO:	S250412AA28
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739659060002
MFR. DATE:	2025/06/20	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/26	Test Date:	2025/06/26	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987	
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<--->	17	16.78 <---> 16.85		Qualified
Across Corner			18.9 min	19.27 <---> 19.34		Qualified
Head Height	6.22	<--->	6.56	6.32 <---> 6.34		Qualified
Nominal Length	24.58	<--->	25.42	24.76 <---> 24.78		Qualified
Major Diameter	9.732	<--->	9.968	9.802 <---> 9.825		Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED		Qualified
Thickness of washer face	0.15	<--->	0.6	0.2 <---> 0.25		Qualified
washer face diameter			15.6 min	15.63 <---> 15.65		Qualified

MECHANICAL PROPERTIES				SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)			700 min	810 <---> 826		Qualified
Yield Strength(N/mm ²)			450 min	660 <---> 670		Qualified
Elongation after fracture(mm)			4 min	5 <---> 6		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250412AA28	0.027	0.25	0.82	0.035	0.003	8.02	18.11	0.03	0.22	0.045	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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110

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP10002500	PO# NO:
SIZE: M10-1.5 X 25	MATERIAL TYPE: A2(304)	ITEM NO: 1888
MARKING: A2-70 THE	SHIP QTY: 1800 PC	HEAT NO: S250514AA14
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739659060003
MFR. DATE: 2025/06/20	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/06/26	Test Date: 2025/06/26	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Width Across Flats	16.73	<--->	17	16.84 <--->	16.88	Qualified
Across Corner	18.9 min			19.28 <--->	19.35	Qualified
Head Height	6.22	<--->	6.56	6.35 <--->	6.4	Qualified
Nominal Length	24.58	<--->	25.42	24.8 <--->	24.85	Qualified
Major Diameter	9.732	<--->	9.968	9.74 <--->	9.76	Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED		Qualified
Thickness of washer face	0.15	<--->	0.6	0.23 <--->	0.3	Qualified
washer face diameter	15.6 min			15.62 <--->	15.66	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		822 <--->	837	Qualified
Yield Strength(N/mm ²)	450 min		680 <--->	692	Qualified
Elongation after fracture(mm)	4 min		5 <--->	6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250514AA14	0.022	0.32	0.78	0.029	0.002	8.01	18.2	0.06	0.21	0.045	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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111

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP10006000	PO# NO:	
SIZE:	M10-1.5 X 60	MATERIAL TYPE:	A2(304)	ITEM NO:	1922
MARKING:	A2-70 THE	SHIP QTY:	420 PC	HEAT NO:	S250412AA26
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739659330005
MFR. DATE:	2025/06/19	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/06/25	Test Date:	2025/06/25	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987	
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<--->	17	16.84 <---> 16.87		Qualified
Across Corner			18.9 min	19.23 <---> 19.25		Qualified
Head Height	6.22	<--->	6.56	6.45 <---> 6.5		Qualified
Nominal Length	59.4	<--->	60.6	60.13 <---> 60.23		Qualified
Major Diameter	9.732	<--->	9.968	9.771 <---> 9.792		Qualified
Pitch Diameter(GO/NOGO)	8.862	<--->	8.994	PASSED		Qualified
Thickness of washer face	0.15	<--->	0.6	0.2 <---> 0.25		Qualified
washer face diameter			15.6 min	15.66 <---> 15.73		Qualified

MECHANICAL PROPERTIES				SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS		SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)			700 min	813 <---> 821		Qualified
Yield Strength(N/mm ²)			450 min	663 <---> 678		Qualified
Elongation after fracture(mm)			4 min	5 <---> 6		Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250412AA26	0.023	0.26	0.78	0.036	0.002	8.04	18.15	0.06	0.32	0.043	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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112

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0931N34CCNP1600D140B	PO# NO:	
SIZE:	M16-2 X 140	MATERIAL TYPE:	A2(304)	ITEM NO:	314415
MARKING:	A2-70 THE	SHIP QTY:	80 PC	HEAT NO:	S250111AA21
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN931-1987	LOT NO:	C739667600001
MFR. DATE:	2025/06/29	Product Name:	Hex Head Bolts with Shank	Surface:	Passivated
Sampling Date:	2025/07/05	Test Date:	2025/07/05	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN931-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	23.67	<---> 24	23.77	<---> 23.89	Qualified
Across Corner	26.75 min		27.25	<---> 27.33	Qualified
Head Height	9.82	<---> 10.18	9.98	<---> 10.03	Qualified
Body Diameter	15.73	<---> 16	15.85	<---> 15.87	Qualified
Length of Thread	44	<---> 54	45.9	<---> 46.41	Qualified
Nominal Length	139.2	<---> 140.8	139.73	<---> 139.84	Qualified
Major Diameter	15.682	<---> 15.962	15.741	<---> 15.782	Qualified
Pitch Diameter(GO/NOGO)	14.503	<---> 14.663	PASSED		Qualified
Thickness of washer face	0.2	<---> 0.8	0.3	<---> 0.4	Qualified
washer face diameter	22.5 min		22.55	<---> 22.63	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		855	<---> 870	Qualified
Yield Strength(N/mm ²)	450 min		705	<---> 715	Qualified
Elongation after fracture(mm)	6.4 min		7	<---> 8	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250111AA21	0.02	0.21	0.99	0.039	0.003	8.03	18.27	0.03	0.32	0.055	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP12004500	PO# NO:	
SIZE:	M12-1.75 X 45	MATERIAL TYPE:	A4(316)	ITEM NO:	2544
MARKING:	A4-70 THE	SHIP QTY:	420 PC	HEAT NO:	S250611AA17
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739712860001
MFR. DATE:	2025/07/02	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/07/08	Test Date:	2025/07/08	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	18.67	<---> 19	18.85	<---> 18.88	Qualified
Across Corner	21.1 min		21.63	<---> 21.67	Qualified
Head Height	7.32	<---> 7.68	7.54	<---> 7.61	Qualified
Nominal Length	44.5	<---> 45.5	44.98	<---> 45.03	Qualified
Major Diameter	11.701	<---> 11.966	11.847	<---> 11.879	Qualified
Pitch Diameter(GO/NOGO)	10.679	<---> 10.829	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.23	<---> 0.26	Qualified
washer face diameter	17.4 min		17.53	<---> 17.59	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		800	<---> 815	Qualified
Yield Strength(N/mm ²)	450 min		650	<---> 660	Qualified
Elongation after fracture(mm)	4.8 min		5	<---> 6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250611AA17	0.031	0.35	0.96	0.033	0.001	10.03	16.21	2.04	0.19	0.028	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Yuncong. Zh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP10003000	PO# NO:
SIZE: M10-1.5 X 30	MATERIAL TYPE: A2(304)	ITEM NO: 2260
MARKING: A2-70 THE	SHIP QTY: 1440 PC	HEAT NO: S250523AA25
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739728320004
MFR. DATE: 2025/07/02	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/07/08	Test Date: 2025/07/08	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	15.73	<---> 16.27	15.77	<---> 15.8	15.8	Qualified
Head Height	9.64	<---> 10	9.74	<---> 9.9	9.9	Qualified
Nominal Length	29.58	<---> 30.42	29.92	<---> 29.95	29.95	Qualified
Drive Depth		5 min	5.2	<---> 5.29	5.29	Qualified
Drive Width	8.03	<---> 8.17	8.05	<---> 8.08	8.08	Qualified
Major Diameter	9.732	<---> 9.968	9.82	<---> 9.85	9.85	Qualified
Pitch Diameter(GO/NOGO)	8.862	<---> 8.994	PASSED			Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min	745	<---> 760	760	Qualified
Yield Strength(N/mm ²)	450 min	600	<---> 610	610	Qualified
Elongation after fracture(mm)	4 min	5	<---> 6	6	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250523AA25	0.021	0.3	0.96	0.035	0.002	8.01	18.2	0.06	0.25	0.055	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Ya. Shu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CANP05006000	PO# NO:
SIZE: M5-0.8 X 60	MATERIAL TYPE: A2(304)	ITEM NO: 420
MARKING: A2-70 THE	SHIP QTY: 1500 PC	HEAT NO: S250609AA28
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C739744690002
MFR. DATE: 2025/07/01	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/07/07	Test Date: 2025/07/07	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	8.28	<---> 8.72	8.4	<---> 8.42	Qualified	
Head Height	4.82	<---> 5	4.9	<---> 4.95	Qualified	
Nominal Length	59.4	<---> 60.6	60.04	<---> 60.15	Qualified	
Drive Depth		2.5 min	2.77	<---> 2.79	Qualified	
Drive Width	4.02	<---> 4.09	4.05	<---> 4.07	Qualified	
Major Diameter	4.826	<---> 4.976	4.861	<---> 4.892	Qualified	
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456	PASSED		Qualified	

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min	843	<---> 858	Qualified	
Yield Strength(N/mm ²)	450 min	692	<---> 708	Qualified	
Elongation after fracture(mm)	2 min	3	<---> 4	Qualified	

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250609AA28	0.026	0.32	1.06	0.035	0.002	8.03	18.13	0.04	0.73	0.054	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP16007000	PO# NO:	
SIZE:	M16-2 X 70	MATERIAL TYPE:	A4(316)	ITEM NO:	4063
MARKING:	A4-70 THE	SHIP QTY:	180 PC	HEAT NO:	NY250607AW15
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739748170002
MFR. DATE:	2025/07/05	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/07/11	Test Date:	2025/07/11	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	23.67	<---> 24	23.74	<---> 23.77	Qualified
Across Corner	26.75 min		27.29	<---> 27.31	Qualified
Head Height	9.82	<---> 10.18	9.95	<---> 10.05	Qualified
Nominal Length	69.4	<---> 70.6	70.1	<---> 70.16	Qualified
Major Diameter	15.682	<---> 15.962	15.821	<---> 15.852	Qualified
Pitch Diameter(GO/NOGO)	14.503	<---> 14.663	PASSED		Qualified
Thickness of washer face	0.2	<---> 0.8	0.3	<---> 0.4	Qualified
washer face diameter	22.5 min		22.55	<---> 22.63	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		763	<---> 778	Qualified
Yield Strength(N/mm ²)	450 min		613	<---> 626	Qualified
Elongation after fracture(mm)	6.4 min		7	<---> 8	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY250607AW15	0.03	0.35	0.96	0.038	0.001	10.01	16.29	2.01	0.31	0.033	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP06001000	PO# NO:	
SIZE:	M6-1 X 10	MATERIAL TYPE:	A2(304)	ITEM NO:	561
MARKING:	A2-70 THE	SHIP QTY:	12000 PC	HEAT NO:	S250617AA09
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739748630001
MFR. DATE:	2025/07/09	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/07/15	Test Date:	2025/07/15	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN933-1987	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Width Across Flats	9.78	<---> 10	9.82 <---> 9.88		Qualified
Across Corner		11.05 min	11.25 <---> 11.28		Qualified
Head Height	3.85	<---> 4.15	3.87 <---> 3.89		Qualified
Nominal Length	9.71	<---> 10.29	10.05 <---> 10.09		Qualified
Major Diameter	5.794	<---> 5.974	5.815 <---> 5.889		Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.5	0.45 <---> 0.47		Qualified
washer face diameter		8.9 min	8.92 <---> 8.95		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	IS03506-1 :2020	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Breaking Torque(N.m)	13 min	20 <---> 20.5		Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250617AA09	0.02	0.33	0.69	0.031	0.001	8.01	18.17	0.03	0.24	0.034	Qualified



Authorization



Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0933N34CCNP1400D100	PO# NO:
SIZE: M14-2 X 100	MATERIAL TYPE: A2(304)	ITEM NO: 3617
MARKING: A2-70 THE	SHIP QTY: 150 PC	HEAT NO: S250512AA09
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN933-1987	LOT NO: C739750740003
MFR. DATE: 2025/06/29	Product Name: Hexagon head BOLTS	Surface: Passivated
Sampling Date: 2025/07/05	Test Date: 2025/07/05	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Width Across Flats	21.67	<---> 22	21.81	<---> 21.86	Qualified	
Across Corner	24.49 min		24.94	<---> 25	Qualified	
Head Height	8.62	<---> 8.98	8.85	<---> 8.88	Qualified	
Nominal Length	99.3	<---> 100.7	99.85	<---> 99.88	Qualified	
Major Diameter	13.682	<---> 13.962	13.818	<---> 13.859	Qualified	
Pitch Diameter(GO/NOGO)	12.503	<---> 12.663	PASSED		Qualified	
Thickness of washer face	0.15	<---> 0.6	0.25	<---> 0.27	Qualified	
washer face diameter	20.5 min		20.51	<---> 20.53	Qualified	

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		762	<---> 777	Qualified
Yield Strength(N/mm ²)	450 min		612	<---> 622	Qualified
Elongation after fracture(mm)	5.6 min		6	<---> 7	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250512AA09	0.029	0.29	0.81	0.032	0.001	8	18.25	0.02	0.26	0.041	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yuncong. Zh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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119

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N34CCNP08002000	PO# NO:
SIZE: M8-1.25 X 20	MATERIAL TYPE: A2(304)	ITEM NO: 211431
MARKING: A2-070 TonG	SHIP QTY: 2400 PC	HEAT NO: DY250226AN10
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2011	LOT NO: C739771340001
MFR. DATE: 2025/07/01	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/07/07	Test Date: 2025/07/07	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	ISO7380-1:2011
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	13.57	<---> 14	13.66	<---> 13.68	Qualified
Drive Depth	2.6 min		2.69	<---> 2.78	Qualified
Head Height	4.1	<---> 4.4	4.11	<---> 4.19	Qualified
Drive Width	5.02	<---> 5.14	5.09	<---> 5.11	Qualified
Nominal Length	19.58	<---> 20.42	19.85	<---> 19.9	Qualified
Major Diameter	7.76	<---> 7.972	7.912	<---> 7.931	Qualified
Pitch Diameter(GO/NOGO)	7.042	<---> 7.16	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO 3506-1:2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	560 min		766	<---> 781	Qualified
Yield Strength(N/mm ²)	450 min		616	<---> 626	Qualified
Elongation after fracture(mm)	3.2 min		4	<---> 5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250226AN10	0.025	0.41	1.06	0.037	0.004	8.01	18.19	0.11	0.73	0.043	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Yu. Cheng

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N34CCNP16007000	PO# NO:	
SIZE:	M16-2 X 70	MATERIAL TYPE:	A2(304)	ITEM NO:	4064
MARKING:	A2-70 THE	SHIP QTY:	180 PC	HEAT NO:	S250526AA19
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739785320012
MFR. DATE:	2025/06/30	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/07/06	Test Date:	2025/07/06	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	23.67	<---> 24	23.8	<---> 23.82	Qualified
Across Corner	26.75 min		27.36	<---> 27.38	Qualified
Head Height	9.82	<---> 10.18	9.89	<---> 9.92	Qualified
Nominal Length	69.4	<---> 70.6	69.96	<---> 70.02	Qualified
Major Diameter	15.682	<---> 15.962	15.785	<---> 15.889	Qualified
Pitch Diameter(GO/NOGO)	14.503	<---> 14.663	PASSED		Qualified
Thickness of washer face	0.2	<---> 0.8	0.7	<---> 0.75	Qualified
washer face diameter	22.5 min		22.51	<---> 22.53	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		753	<---> 768	Qualified
Yield Strength(N/mm ²)	450 min		603	<---> 615	Qualified
Elongation after fracture(mm)	6.4 min		7	<---> 8	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250526AA19	0.022	0.47	0.76	0.033	0.001	8.02	18.08	0.03	0.22	0.054	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

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Zip: 314003

121

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0933N316CNP10005000	PO# NO:	
SIZE:	M10-1.5 X 50	MATERIAL TYPE:	A4(316)	ITEM NO:	1909
MARKING:	A4-70 THE	SHIP QTY:	1200 PC	HEAT NO:	NY250608AW02
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN933-1987	LOT NO:	C739799250001
MFR. DATE:	2025/07/01	Product Name:	Hexagon head BOLTS	Surface:	Passivated
Sampling Date:	2025/07/07	Test Date:	2025/07/07	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN933-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	16.73	<---> 17	16.79	<---> 16.83	Qualified
Across Corner	18.9 min		19.17	<---> 19.22	Qualified
Head Height	6.22	<---> 6.56	6.42	<---> 6.47	Qualified
Nominal Length	49.5	<---> 50.5	49.95	<---> 50	Qualified
Major Diameter	9.732	<---> 9.968	9.762	<---> 9.785	Qualified
Pitch Diameter(GO/NOGO)	8.862	<---> 8.994	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.2	<---> 0.25	Qualified
washer face diameter	15.6 min		15.63	<---> 15.65	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		810	<---> 826	Qualified
Yield Strength(N/mm ²)	450 min		660	<---> 670	Qualified
Elongation after fracture(mm)	4 min		5	<---> 6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY250608AW02	0.037	0.38	0.95	0.034	0.001	10.01	16.36	2.01	0.25	0.033	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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Zip: 314003

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N34CCNP06002000	PO# NO:
SIZE: M6-1 X 20	MATERIAL TYPE: A2(304)	ITEM NO: 210758
MARKING: A2-070 TonG	SHIP QTY: 4200 PC	HEAT NO: S250503AA22
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2011	LOT NO: C739822860003
MFR. DATE: 2025/07/08	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/07/14	Test Date: 2025/07/14	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	ISO7380-1:2011
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	10.07	<---> 10.5	10.25	<---> 10.28	Qualified
Drive Depth	2.08 min		2.5	<---> 2.52	Qualified
Head Height	3	<---> 3.3	3.15	<---> 3.17	Qualified
Drive Width	4.02	<---> 4.09	4.05	<---> 4.08	Qualified
Nominal Length	19.58	<---> 20.42	19.8	<---> 19.82	Qualified
Major Diameter	5.794	<---> 5.974	5.825	<---> 5.896	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO 3506-1:2009	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	560 min		714	<---> 729	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250503AA22	0.027	0.24	1.11	0.027	0.002	8.02	18.29	0.04	0.73	0.051	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut, Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CANP12007000	PO# NO:	
SIZE:	M12-1.75 X 70	MATERIAL TYPE:	A2(304)	ITEM NO:	2891
MARKING:	A2-70 THE	SHIP QTY:	240 PC	HEAT NO:	S250514AA17
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739830860001
MFR. DATE:	2025/07/04	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/07/10	Test Date:	2025/07/10	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SPECIFICATION		SAMPLE STANDARD: DIN912-1983		ACTUAL RESULT		SAMPLE DETERMINANT		
CHARACTERISTICS			SPECIFICATION				ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	17.73	<--->	18.27	17.76	<--->	17.82			Qualified		
Head Height	11.57	<--->	12	11.58	<--->	11.79			Qualified		
Nominal Length	69.4	<--->	70.6	70.38	<--->	70.5			Qualified		
Drive Depth			6 min	6.03	<--->	6.12			Qualified		
Drive Width	10.03	<--->	10.17	10.15	<--->	10.17			Qualified		
Major Diameter	11.701	<--->	11.966	11.742	<--->	11.856			Qualified		
Pitch Diameter(GO/NOGO)	10.679	<--->	10.829	PASSED						Qualified	

MECHANICAL PROPERTIES		SPECIFICATION		SAMPLE STANDARD: ISO3506-1 :2020		ACTUAL RESULT		SAMPLE DETERMINANT		
CHARACTERISTICS		SPECIFICATION				ACTUAL RESULT		SAMPLE DETERMINANT		
Tensile Strength(N/mm ²)		700 min		768	<--->	783			Qualified	
Yield Strength(N/mm ²)		450 min		613	<--->	626			Qualified	
Elongation after fracture(mm)		4.8 min		5	<--->	6			Qualified	

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250514AA17	0.023	0.33	0.98	0.036	0.003	8.02	18.19	0.08	0.25	0.053	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CANP06006000B	PO# NO:	
SIZE:	M6-1 X 60	MATERIAL TYPE:	A2(304)	ITEM NO:	314273
MARKING:	A2-70 THE	SHIP QTY:	1200 PC	HEAT NO:	DY250605AN17
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739861220001
MFR. DATE:	2025/07/08	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/07/14	Test Date:	2025/07/14	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	9.78	<---> 10.22	9.98	<---> 10.02	Qualified
Head Height	5.7	<---> 6	5.8	<---> 5.82	Qualified
Nominal Length	59.4	<---> 60.6	60.12	<---> 60.15	Qualified
Drive Depth		3 min	3.5	<---> 3.52	Qualified
Drive Width	5.02	<---> 5.14	5.06	<---> 5.08	Qualified
Major Diameter	5.794	<---> 5.974	5.825	<---> 5.889	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)		700 min	758	<---> 773	Qualified
Yield Strength(N/mm ²)		450 min	603	<---> 615	Qualified
Elongation after fracture(mm)		2.4 min	3	<---> 4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250605AN17	0.013	0.34	0.92	0.032	0.002	8.02	18.19	0.01	0.22	0.057	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Shihao.Wan

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: J1111434CC0P05001000	PO# NO:
SIZE: M5-0.8 X 10	MATERIAL TYPE: A2(304)	ITEM NO: 123583
MARKING: NO MARK	SHIP QTY: 8000 PC	HEAT NO: S240219AA15
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: JIS B1111-1996	LOT NO: C800104200001
MFR. DATE: 2024/04/20	Product Name: C.R. Truss Head Screws	Surface: Passivated
Sampling Date: 2024/04/26	Test Date: 2024/04/26	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	JIS B1111-1996		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Head Diameter	11.2	<--->	11.8	11.41	<--->	11.51	Qualified
Head Height	2.95	<--->	3.25	3.22	<--->	3.24	Qualified
Nominal Length	9.2	<--->	10	9.84	<--->	9.89	Qualified
Major Diameter	4.826	<--->	4.976	4.89	<--->	4.92	Qualified
Pitch Diameter(GO/NOGO)	4.361	<--->	4.456	PASSED			Qualified
Groove Depth	2.29	<--->	2.83	2.51	<--->	2.57	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S240219AA15	0.02	0.34	0.93	0.033	0.001	8.02	18.12	0.02	2.03	0.025	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Jiatong.lv

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP05001600	PO# NO:
SIZE: M5-0.8 X 16	MATERIAL TYPE: A2(304)	ITEM NO: 392
MARKING: A2-70 THE	SHIP QTY: 6500 PC	HEAT NO: S240609AA18
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C800593460003
MFR. DATE: 2024/06/25	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2024/07/01	Test Date: 2024/07/01	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT	
Head Diameter	8.28	<--->	8.72	8.45 <--->	8.48	Qualified
Head Height	4.82	<--->	5	4.86 <--->	4.99	Qualified
Nominal Length	15.65	<--->	16.35	16.06 <--->	16.23	Qualified
Drive Depth	2.5 min			2.79 <--->	2.96	Qualified
Drive Width	4.02	<--->	4.09	4.06 <--->	4.08	Qualified
Major Diameter	4.826	<--->	4.976	4.881 <--->	4.905	Qualified
Pitch Diameter(GO/NOGO)	4.361	<--->	4.456	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		924 <--->	926	Qualified
Yield Strength(N/mm ²)	450 min		825 <--->	828	Qualified
Elongation after fracture(mm)	2 min		4 <--->	4.4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S240609AA18	0.019	0.29	0.99	0.036	0.002	8	18.32	0.06	0.35	0.06	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu. Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	J1111434CC0P04001000B	PO# NO:	
SIZE:	M4-0.7 X 10	MATERIAL TYPE:	A2(304)	ITEM NO:	319521
MARKING:	NO MARK	SHIP QTY:	14000 PC	HEAT NO:	S240905AA09
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	JIS B1111-1996	LOT NO:	C800932800002
MFR. DATE:	2024/11/18	Product Name:	C. R. Truss Head Screws	Surface:	Passivated
Sampling Date:	2024/11/24	Test Date:	2024/11/24	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		JIS B1111-1996
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	8.9	<---> 9.4	9.08	<---> 9.12	Qualified
Head Height	2.35	<---> 2.65	2.51	<---> 2.55	Qualified
Nominal Length	9.4	<---> 10	9.68	<---> 9.76	Qualified
Major Diameter	3.838	<---> 3.978	3.911	<---> 3.916	Qualified
Pitch Diameter(G0/NOG0)	3.433	<---> 3.523	PASSED		Qualified
Groove Depth	1.6	<---> 2.13	2.11	<---> 2.12	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		784	<---> 799	Qualified
Yield Strength(N/mm ²)	450 min		460	<---> 460	Qualified
Elongation after fracture(mm)	1.6 min		2.2	<---> 2.5	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		JIS B1054-95	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N. m)	3.8 min		4.8	<---> 4.9	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S240905AA09	0.014	0.26	0.79	0.033	0.003	8.03	18.37	0.04	2.04	0.03	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xuliang. Sh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CC0P04002500B	PO# NO:
SIZE: M4-0.7 X 25	MATERIAL TYPE: A2(304)	ITEM NO: 320968
MARKING: NO MARK	SHIP QTY: 7200 PC	HEAT NO: S240925AA25
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C801065930001
MFR. DATE: 2024/11/26	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2024/12/02	Test Date: 2024/12/02	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	6.78	<---> 7.22	6.92	<---> 6.97	Qualified
Head Height	3.82	<---> 4	3.91	<---> 3.97	Qualified
Nominal Length	24.58	<---> 25.42	25.15	<---> 25.21	Qualified
Drive Depth		2 min	2.25	<---> 2.31	Qualified
Drive Width	3.02	<---> 3.08	3.04	<---> 3.06	Qualified
Major Diameter	3.838	<---> 3.978	3.911	<---> 3.916	Qualified
Pitch Diameter(GO/NOGO)	3.433	<---> 3.523	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N.m)	3.8	min	5.3	<---> 5.6	Qualified
Tensile Strength(N/mm ²)	700	min	802	<---> 807	Qualified
Yield Strength(N/mm ²)	450	min	702	<---> 707	Qualified
Elongation after fracture(mm)	1.6	min	5.4	<---> 6	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S240925AA25	0.016	0.22	1.04	0.035	0.003	8.04	18.17	0.03	0.32	0.062	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Yuliang. Sh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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ADD: 88 ChangSheng RD., E. D. Zone, JiaXing, ZheJiang, China	Zip: 314003		129

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0439B34CCAP1000	PO# NO:
SIZE: M10-1.5	MATERIAL TYPE: A2(304)	ITEM NO: 2097
MARKING: A2-035 THE	SHIP QTY: 3000 PC	HEAT NO: S241125AA11
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN439-1987	LOT NO: C801348940002
MFR. DATE: 2025/02/25	Product Name: Hex Thin Nuts (Chamfered) Type B	Surface: Passivated
Sampling Date: 2025/03/03	Test Date: 2025/03/03	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN439-1987						
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT						
Width Across Flats	16.73	<---> 17	16.79	<---> 16.81	Qualified						
Across Corner	18.9 min		18.99	<---> 19.07	Qualified						
Thickness	4.7	<---> 5	4.83	<---> 4.86	Qualified						
Minor Diameter	8.376	<---> 8.676	8.65	<---> 8.67	Qualified						
Pitch Diameter (GO/NOGO)	9.026	<---> 9.206	PASSED		Qualified						
MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-2:2009							
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT						
Proof Load (N/mm ²)	350 min		PASSED		Qualified						
CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S241125AA11	0.02	0.42	0.99	0.035	0.001	8.03	18.2	0.07	0.31	0.05	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu. Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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Zip: 314003

130

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	I7380N34CC0P05001600	PO# NO:	
SIZE:	M5-0.8 X 16	MATERIAL TYPE:	A2(304)	ITEM NO:	7455
MARKING:	NO MARK	SHIP QTY:	8000 PC	HEAT NO:	S250308AB10
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	IS07380-1:2011	LOT NO:	C801487470002
MFR. DATE:	2025/04/20	Product Name:	Button Socket Cap Screws	Surface:	Passivated
Sampling Date:	2025/04/26	Test Date:	2025/04/26	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	ISO7380-1:2011	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	9.14	<---> 9.5			9.21 <---> 9.32	Qualified
Drive Depth		1.56 min			1.77 <---> 1.86	Qualified
Head Height	2.5	<---> 2.75			2.61 <---> 2.69	Qualified
Drive Width	3.02	<---> 3.08			3.03 <---> 3.07	Qualified
Nominal Length	15.65	<---> 16.35			15.81 <---> 15.89	Qualified
Major Diameter	4.826	<---> 4.976			4.855 <---> 4.931	Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456			PASSED	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO 3506-1:2009	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	500 min			703 <---> 708	Qualified
Yield Strength(N/mm ²)	210 min			615 <---> 630	Qualified
Elongation after fracture(mm)	3 min			3.5 <---> 4	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250308AB10	0.015	0.28	0.85	0.036	0.004	8.02	18.3	0.02	2.02	0.048	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiong.Wang

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0934N34CCNP1800	PO# NO:
SIZE: M18-2.5	MATERIAL TYPE: A2(304)	ITEM NO: 4377
MARKING: A2-70 THE	SHIP QTY: 480 PC	HEAT NO: DY250405AN12
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN934-1987	LOT NO: C801511470005
MFR. DATE: 2025/05/24	Product Name: Hex Nuts	Surface: Passivated
Sampling Date: 2025/05/30	Test Date: 2025/05/30	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN934-1987	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Width Across Flats	26.16	<---> 27	26.34 <---> 26.38		Qualified
Across Corner		29.56 min	30.12 <---> 30.21		Qualified
Thickness	14.3	<---> 15	14.59 <---> 14.64		Qualified
Minor Diameter	15.294	<---> 15.744	15.56 <---> 15.7		Qualified
Pitch Diameter(G0/NOGO)	16.376	<---> 16.6	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-2:2009	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Proof Load(N/mm ²)	700 min	PASSED		Qualified

CHEMICAL COMPOSITION%												SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N		
DY250405AN12	0.015	0.38	1.04	0.032	0.002	8.01	18.35		0.24	0.065	Qualified	

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu.Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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Zip: 314003

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D6923N34CCNP0600	PO# NO:
SIZE: M6-1.0	MATERIAL TYPE: A2(304)	ITEM NO: 94496
MARKING: A2-70 TonG	SHIP QTY: 10000 PC	HEAT NO: S250420AA14
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN6923-1983	LOT NO: C801511850007
MFR. DATE: 2025/06/11	Product Name: Hex Nuts With Flange	Surface: Passivated
Sampling Date: 2025/06/17	Test Date: 2025/06/17	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN6923-1983	ACTUAL RESULT	SAMPLE DETERMINANT
Width Across Flats	9.78	<---> 10	9.86	<---> 9.88	Qualified	
Across Corner		11.05 min	11.28	<---> 11.3	Qualified	
Thickness	5.7	<---> 6	5.77	<---> 5.84	Qualified	
Flange Diameter	12.2	<---> 14.2	13.78	<---> 13.9	Qualified	
Flange Height		1.1 min	1.68	<---> 1.79	Qualified	
Minor Diameter	4.917	<---> 5.153	5.06	<---> 5.09	Qualified	
Pitch Diameter(GO/NOGO)	5.35	<---> 5.5	PASSED		Qualified	

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO 3506-2:2009	ACTUAL RESULT	SAMPLE DETERMINANT
Proof Load(N/mm ²)	700 min	PASSED		Qualified	

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250420AA14	0.022	0.32	0.95	0.033	0.002	8.01	18.21	0.03	0.22	0.055	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu. Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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133

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N34CC0P05000800	PO# NO:
SIZE: M5-0.8 X 8	MATERIAL TYPE: A2(304)	ITEM NO: 120450
MARKING: NO MARK	SHIP QTY: 13000 PC	HEAT NO: S250410AB01
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2011	LOT NO: C801512980001
MFR. DATE: 2025/05/12	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/05/18	Test Date: 2025/05/18	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	IS07380-1:2011	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	9.14	<---> 9.5	9.33	<--->	9.42	Qualified
Drive Depth		1.56 min	1.61	<--->	1.68	Qualified
Head Height	2.5	<---> 2.75	2.64	<--->	2.68	Qualified
Drive Width	3.02	<---> 3.08	3.04	<--->	3.06	Qualified
Nominal Length	7.71	<---> 8.29	8.12	<--->	8.16	Qualified
Major Diameter	4.826	<---> 4.976	4.961	<--->	4.968	Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456	PASSED			Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO 3506-1:2009	ACTUAL RESULT	SAMPLE DETERMINANT
Breaking Torque(N.m)	7.8 min	10	<--->	10.3	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250410AB01	0.015	0.27	0.78	0.034	0.002	8.01	18.35	0.09	2.01	0.034	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xuliang. Sh

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D7991N34CC0P04001000B	PO# NO:	
SIZE:	M4-0.7 X 10	MATERIAL TYPE:	A2(304)	ITEM NO:	320920
MARKING:	NO MARK	SHIP QTY:	14400 PC	HEAT NO:	DY250115AL03
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN7991-1986	LOT NO:	C801513660001
MFR. DATE:	2025/05/24	Product Name:	Hex Socket C. S. Head Screws	Surface:	Passivated
Sampling Date:	2025/05/30	Test Date:	2025/05/30	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN7991-1986
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	7.64	<---> 8	7.78	<---> 7.81	Qualified
Head Height	2.48 max		2.42	<---> 2.45	Qualified
Nominal Length	9.71	<---> 10.29	9.82	<---> 9.87	Qualified
Drive Depth	1.55	<---> 1.8	1.75	<---> 1.78	Qualified
Drive Width	2.52	<---> 2.58	2.54	<---> 2.56	Qualified
Major Diameter	3.838	<---> 3.978	3.895	<---> 3.924	Qualified
Pitch Diameter(GO/NOGO)	3.433	<---> 3.523	PASSED		Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		701	<---> 709	Qualified
Yield Strength(N/mm ²)	450 min		612	<---> 623	Qualified
Elongation after fracture(mm)	1.6 min		2	<---> 2.3	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250115AL03	0.015	0.35	0.95	0.035	0.002	8.03	18.31	0.02	0.28	0.062	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiong.Wang

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N34CC0P04000600B	PO# NO:
SIZE: M4-0.7 X 6	MATERIAL TYPE: A2(304)	ITEM NO: 320905
MARKING: NO MARK	SHIP QTY: 18000 PC	HEAT NO: S250509AA02
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2011	LOT NO: C801513730001
MFR. DATE: 2025/06/13	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/06/19	Test Date: 2025/06/19	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	ISO7380-1:2011
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	7.24	<---> 7.6	7.42	<---> 7.53	Qualified
Head Height	1.95	<---> 2.2	2.1	<---> 2.13	Qualified
Nominal Length	5.76	<---> 6.24	5.93	<---> 6.04	Qualified
Major Diameter	3.838	<---> 3.978	3.901	<---> 3.925	Qualified
Pitch Diameter(G0/NOGO)	3.433	<---> 3.523	PASSED		Qualified
Drive Width	2.52	<---> 2.58	2.52	<---> 2.54	Qualified
Drive Depth	1.3 min		1.67	<---> 1.81	Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO 3506-1:2009	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N.m)	3.8 min		5	<---> 5.2	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250509AA02	0.017	0.29	0.81	0.033	0.003	8.01	18.12	0.03	2.03	0.038	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu.Wu

Sampler

2025/07/28

Date

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: I7380N34CC0P05001000	PO# NO:
SIZE: M5-0.8 X 10	MATERIAL TYPE: A2(304)	ITEM NO: 7449
MARKING: NO MARK	SHIP QTY: 10000 PC	HEAT NO: S250423AA21
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: IS07380-1:2011	LOT NO: C801517100001
MFR. DATE: 2025/06/17	Product Name: Button Socket Cap Screws	Surface: Passivated
Sampling Date: 2025/06/23	Test Date: 2025/06/23	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	ISO7380-1:2011	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	9.14	<---> 9.5			9.17 <---> 9.32	Qualified
Drive Depth		1.56 min			1.91 <---> 2.05	Qualified
Head Height	2.5	<---> 2.75			2.57 <---> 2.59	Qualified
Drive Width	3.02	<---> 3.08			3.03 <---> 3.05	Qualified
Nominal Length	9.71	<---> 10.29			9.78 <---> 10	Qualified
Major Diameter	4.826	<---> 4.976			4.941 <---> 4.965	Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456			PASSED	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO 3506-1:2009	ACTUAL RESULT	SAMPLE DETERMINANT
Breaking Torque(N.m)	7.8 min			8.5 <---> 8.6	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250423AA21	0.021	0.38	0.81	0.036	0.001	8.01	18.17	0.05	2.04	0.04	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu.Wu

Sampler

2025/07/28

Date

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Zip: 314003

137

TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CANP05003000	PO# NO:
SIZE: M5-0.8 X 30	MATERIAL TYPE: A2(304)	ITEM NO: 402
MARKING: A2-70 THE	SHIP QTY: 3500 PC	HEAT NO: S250418AB19
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C801518060002
MFR. DATE: 2025/05/12	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/05/18	Test Date: 2025/05/18	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	8.28	<---> 8.72			8.41 <---> 8.47	Qualified
Head Height	4.82	<---> 5			4.94 <---> 4.99	Qualified
Nominal Length	29.58	<---> 30.42			30.31 <---> 30.37	Qualified
Drive Depth		2.5 min			3.01 <---> 3.05	Qualified
Drive Width	4.02	<---> 4.09			4.04 <---> 4.06	Qualified
Major Diameter	4.826	<---> 4.976			4.961 <---> 4.966	Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456			PASSED	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min			823 <---> 845	Qualified
Yield Strength(N/mm ²)	450 min			712 <---> 732	Qualified
Elongation after fracture(mm)	2 min			5.6 <---> 6.3	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250418AB19	0.028	0.3	1.29	0.034	0.003	8.02	18.39	0.03	0.72	0.041	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xuliang. Sh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CA0P04003500B	PO# NO:	
SIZE:	M4-0.7 X 35	MATERIAL TYPE:	A2(304)	ITEM NO:	320987
MARKING:	NO MARK	SHIP QTY:	4500 PC	HEAT NO:	S250225AA14
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C801522380001
MFR. DATE:	2025/06/06	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/06/12	Test Date:	2025/06/12	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	6.78	<---> 7.22	6.99	<---> 7.02	Qualified
Head Height	3.82	<---> 4	3.87	<---> 3.96	Qualified
Nominal Length	34.5	<---> 35.5	34.96	<---> 35.1	Qualified
Drive Depth		2 min	2.27	<---> 2.34	Qualified
Drive Width	3.02	<---> 3.08	3.02	<---> 3.04	Qualified
Major Diameter	3.838	<---> 3.978	3.901	<---> 3.925	Qualified
Pitch Diameter(GO/NOGO)	3.433	<---> 3.523	PASSED		Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N.m)	3.8 min		4.8	<---> 4.9	Qualified
Tensile Strength(N/mm ²)	700 min		803	<---> 814	Qualified
Yield Strength(N/mm ²)	450 min		710	<---> 725	Qualified
Elongation after fracture(mm)	1.6 min		4	<---> 4.5	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250225AA14	0.027	0.23	1.07	0.034	0.002	8.02	18.26	0.04	0.7	0.04	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu.Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread; HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0934N316C8P1600	PO# NO:
SIZE: M16-2	MATERIAL TYPE: A4(316)	ITEM NO: 4222
MARKING: A4-80 THE	SHIP QTY: 1440 PC	HEAT NO: NY250506AT02
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN934-1987	LOT NO: C801523540005
MFR. DATE: 2025/06/16	Product Name: Hex Nuts	Surface: Passivated
Sampling Date: 2025/06/22	Test Date: 2025/06/22	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN934-1987	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Width Across Flats	23.67	<---> 24	23.8 <---> 23.88		Qualified
Across Corner		26.75 min	27.14 <---> 27.21		Qualified
Thickness	12.3	<---> 13	12.65 <---> 12.71		Qualified
Minor Diameter	13.835	<---> 14.21	14.12 <---> 14.16		Qualified
Pitch Diameter(GO/NOGO)	14.701	<---> 14.913	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-2:2009	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Proof Load(N/mm ²)	800 min	PASSED		Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
NY250506AT02	0.036	0.39	0.98	0.036	0.001	10.02	16.31	2.03	0.17	0.034	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xuliang. Sh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D7991N34CCNP05001600	PO# NO:
SIZE: M5-0.8 X 16	MATERIAL TYPE: A2(304)	ITEM NO: 115235
MARKING: A2-70 THE	SHIP QTY: 9000 PC	HEAT NO: DY250508AM06
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN7991-1986	LOT NO: C801527780003
MFR. DATE: 2025/06/24	Product Name: Hex Socket C. S. Head Screws	Surface: Passivated
Sampling Date: 2025/06/30	Test Date: 2025/06/30	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	ISO10642-2007
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	9.64	<---> 10	9.99	<---> 10	Qualified
Head Height	3.1 max		3.04	<---> 3.06	Qualified
Head Anglae	90	<---> 92	92	<---> 92	Qualified
Nominal Length	15.65	<---> 16.35	15.75	<---> 15.84	Qualified
Drive Depth	2.05	<---> 2.3	2.23	<---> 2.28	Qualified
Drive Width	3.02	<---> 3.08	3.04	<---> 3.06	Qualified
Major Diameter	4.826	<---> 4.976	4.961	<---> 4.966	Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		713	<---> 725	Qualified
Yield Strength(N/mm ²)	450 min		598	<---> 605	Qualified
Elongation after fracture(mm)	2 min		3.6	<---> 4	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250508AM06	0.017	0.34	0.9	0.042	0.001	8.02	18.07	0.03	0.25	0.063	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xuliang. Sh

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CC0P04002000B	PO# NO:
SIZE: M4-0.7 X 20	MATERIAL TYPE: A2(304)	ITEM NO: 320955
MARKING: NO MARK	SHIP QTY: 9000 PC	HEAT NO: S250225AA14
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C801529620003
MFR. DATE: 2025/06/10	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/06/16	Test Date: 2025/06/16	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	6.78	<---> 7.22	6.94	<---> 7.01	Qualified
Head Height	3.82	<---> 4	3.91	<---> 3.95	Qualified
Nominal Length	19.58	<---> 20.42	20.03	<---> 20.12	Qualified
Drive Depth		2 min	2.33	<---> 2.36	Qualified
Drive Width	3.02	<---> 3.08	3.03	<---> 3.05	Qualified
Major Diameter	3.838	<---> 3.978	3.885	<---> 3.914	Qualified
Pitch Diameter(GO/NOGO)	3.433	<---> 3.523	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque(N.m)	3.8	min	4.8	<---> 4.9	Qualified
Tensile Strength(N/mm ²)	700	min	812	<---> 824	Qualified
Yield Strength(N/mm ²)	450	min	789	<---> 802	Qualified
Elongation after fracture(mm)	1.6	min	2.7	<---> 3	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250225AA14	0.027	0.23	1.07	0.034	0.002	8.02	18.26	0.04	0.7	0.04	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu.Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

INSPECTION RESULT: SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL. WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.

a、HRC for Screw & Bolt with partial thread;HRB(S) for Nut、Thread rod and Bolt & Screw with full thread.

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0912134CCNP05001400	PO# NO:
SIZE: M5-0.8 X 14	MATERIAL TYPE: A2(304)	ITEM NO: 387
MARKING: A2-70 THE	SHIP QTY: 7000 PC	HEAT NO: S250523AA18
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN912-1983	LOT NO: C801532820002
MFR. DATE: 2025/06/15	Product Name: Hex Socket Screws (Knurled)	Surface: Passivated
Sampling Date: 2025/06/21	Test Date: 2025/06/21	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN912-1983	ACTUAL RESULT	SAMPLE DETERMINANT
Head Diameter	8.28	<---> 8.72			8.35 <---> 8.41	Qualified
Head Height	4.82	<---> 5			4.91 <---> 4.98	Qualified
Nominal Length	13.65	<---> 14.35			13.95 <---> 14.08	Qualified
Drive Depth		2.5 min			2.81 <---> 2.88	Qualified
Drive Width	4.02	<---> 4.09			4.03 <---> 4.07	Qualified
Major Diameter	4.826	<---> 4.976			4.88 <---> 4.931	Qualified
Pitch Diameter(GO/NOGO)	4.361	<---> 4.456			PASSED	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-1 :2020	ACTUAL RESULT	SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min			785 <---> 799	Qualified
Yield Strength(N/mm ²)	450 min			671 <---> 684	Qualified
Elongation after fracture(mm)	2 min			4 <---> 5	Qualified

CHEMICAL COMPOSITION%											SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
S250523AA18	0.022	0.28	0.96	0.036	0.002	8.01	18.31	0.02	0.23	0.055	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiong.Wang

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0934N34CCNP0600	PO# NO:	
SIZE:	M6-1	MATERIAL TYPE:	A2(304)	ITEM NO:	759
MARKING:	A2-70 THE	SHIP QTY:	48000 PC	HEAT NO:	S250420AA17
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN934-1987	LOT NO:	C801547800001
MFR. DATE:	2025/06/08	Product Name:	Hex Nuts	Surface:	Passivated
Sampling Date:	2025/06/14	Test Date:	2025/06/14	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)	SPECIFICATION	SAMPLE STANDARD:	DIN934-1987	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Width Across Flats	9.78	<---> 10	9.82 <---> 9.86		Qualified
Across Corner		11.05 min	11.15 <---> 11.17		Qualified
Thickness	4.7	<---> 5	4.86 <---> 4.89		Qualified
Minor Diameter	4.917	<---> 5.153	5.06 <---> 5.11		Qualified
Pitch Diameter(G0/NOG0)	5.35	<---> 5.5	PASSED		Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ISO3506-2:2009	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Proof Load(N/mm ²)	700 min	PASSED		Qualified

CHEMICAL COMPOSITION%												SAMPLE DETERMINANT
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N		
S250420AA17	0.026	0.18	0.8	0.036	0.003	8.02	18.35	0.05	0.23	0.055	Qualified	

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu. Wu

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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Zip: 314003

144

TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965792	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	I7380N34CC0P04001000B	PO# NO:	
SIZE:	M4-0.7 X 10	MATERIAL TYPE:	A2(304)	ITEM NO:	320922
MARKING:	NO MARK	SHIP QTY:	14400 PC	HEAT NO:	S250323AA07
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	IS07380-1:2011	LOT NO:	C801559410001
MFR. DATE:	2025/06/27	Product Name:	Button Socket Cap Screws	Surface:	Passivated
Sampling Date:	2025/07/03	Test Date:	2025/07/03	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		ISO7380-1:2011
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	7.24	<---> 7.6	7.25	<---> 7.32	Qualified
Head Height	1.95	<---> 2.2	2.11	<---> 2.16	Qualified
Nominal Length	9.71	<---> 10.29	9.82	<---> 9.99	Qualified
Major Diameter	3.838	<---> 3.978	3.888	<---> 3.931	Qualified
Pitch Diameter(G0/NOGO)	3.433	<---> 3.523	PASSED		Qualified
Drive Width	2.52	<---> 2.58	2.53	<---> 2.57	Qualified
Drive Depth		1.3 min	1.71	<---> 1.79	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO 3506-1:2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	560 min		732	<---> 750	Qualified
Yield Strength(N/mm ²)	450 min		603	<---> 615	Qualified
Elongation after fracture(mm)	1.6 min		2.7	<---> 3	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
S250323AA07	0.02	0.25	0.83	0.03	0.001	8.02	18.19	0.02	2.03	0.039	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiong.Wang

Sampler

2025/07/28

Date

This Lot fit the demands of EN10204 3.1

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965792	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: D0985N316C8P1000	PO# NO:
SIZE: M10-1.5	MATERIAL TYPE: A4(316)	ITEM NO: 122602
MARKING: A4-80 TonG	SHIP QTY: 8000 PC	HEAT NO: NY250506AT06
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: DIN985-1987	LOT NO: C801566690001
MFR. DATE: 2025/07/08	Product Name: Hex Nylon Nuts	Surface: Passivated
Sampling Date: 2025/07/14	Test Date: 2025/07/14	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN985-1987		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Width Across Flats	16.73	<--->	17	16.86	<--->	16.88	Qualified
Across Corner	18.9	<--->	19.6	19.11	<--->	19.24	Qualified
Thickness	9.64	<--->	10	9.91	<--->	9.97	Qualified
Inner Chamfer	10.2	<--->	10.8	10.74	<--->	10.76	Qualified
moulding thickness	10.9	<--->	11.2	11.12	<--->	11.16	Qualified
Block COver Height	3.8	<--->	4.2	4.12	<--->	4.16	Qualified
Hex Height	6.85	<--->	7.15	7.14	<--->	7.15	Qualified
Minor Diameter	8.376	<--->	8.676	8.661	<--->	8.664	Qualified
Pitch Diameter(GO/NOGO)	9.026	<--->	9.206	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	DIN 267 PART 11-1980			
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Core Hardness ^a	80	<--->	107	101	<--->	105	Qualified
Proof Load(N/mm ²)	800 min		PASSED				Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	DIN985-1987			
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
First Install (N.m)	9.5	max		7	<--->	9	Qualified
First Removal (N.m)	1 min		4	<--->	8	Qualified	
Third Removal (N.m)	0.8 min		2	<--->	4	Qualified	

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xuliang. Sh

Sampler

2025/07/28

Date

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Authorization



Verification

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965810	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: A18214316ANP01020502	PO# NO:
SIZE: 1/2-13 X 2-1/2	MATERIAL TYPE: A4(316)	ITEM NO: 3107
MARKING: F593G316 THE	SHIP QTY: 240 PC	HEAT NO: NY241114AV16
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: ASME B18.2.1-12	LOT NO: C738041310001
MFR. DATE: 2024/12/16	Product Name: Hex Cap Screws(Finished)	Surface: Passivated
Sampling Date: 2024/12/22	Test Date: 2024/12/22	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(INCH)			SAMPLE STANDARD:	ASME B18.2.1-12		
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Width Across Flats	0.736	<--->	0.75	0.738	<--->	0.739	Qualified
Across Corner	0.84	<--->	0.866	0.843	<--->	0.844	Qualified
Head Height	0.302	<--->	0.323	0.308	<--->	0.309	Qualified
Nominal Length	2.44	<--->	2.5	2.466	<--->	2.469	Qualified
Major Diameter	0.4876	<--->	0.4985	0.491	<--->	0.4924	Qualified
Pitch Diameter(GO/NOGO)	0.4435	<--->	0.4485	PASSED			Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ASTM F593-02			
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT		
Core Hardness ^a	95	<--->	107	105	<--->	105	Qualified
Tensile Strength(ksi)	100	<--->	150	111.2	<--->	116.9	Qualified
Yield Strength(ksi)	65 min			70.2	<--->	75.6	Qualified

CHEMICAL COMPOSITION%										
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	N	SAMPLE DETERMINANT
NY241114AV16	0.027	0.37	1.03	0.033	0.001	10.02	16.22	2.01	0.035	Qualified

Jiamin Shen

Authorization

Xiaochun Chen

Verification

Xiuqiong.H

Sampler

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	965905	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0912134CCNP06000800	PO# NO:	
SIZE:	M6-1 X 8	MATERIAL TYPE:	A2(304)	ITEM NO:	827
MARKING:	A2-70 THE	SHIP QTY:	4800 PC	HEAT NO:	DY250508AN07
MFR. :	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN912-1983	LOT NO:	C739637790001
MFR. DATE:	2025/07/03	Product Name:	Hex Socket Screws (Knurled)	Surface:	Passivated
Sampling Date:	2025/07/09	Test Date:	2025/07/09	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(mm)			SAMPLE STANDARD:	DIN912-1983
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Head Diameter	9.78	<---> 10.22	9.83	<---> 9.86	Qualified
Head Height	5.7	<---> 6	5.74	<---> 5.82	Qualified
Nominal Length	7.71	<---> 8.29	7.95	<---> 8	Qualified
Drive Depth		3 min	3.13	<---> 3.15	Qualified
Drive Width	5.02	<---> 5.14	5.12	<---> 5.14	Qualified
Major Diameter	5.794	<---> 5.974	5.825	<---> 5.886	Qualified
Pitch Diameter(GO/NOGO)	5.212	<---> 5.324	PASSED		Qualified

MECHANICAL PROPERTIES			SAMPLE STANDARD:	ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Breaking Torque (N.m)		13 min	18.9	<---> 19.2	Qualified

CHEMICAL COMPOSITION%											
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
DY250508AN07	0.015	0.35	1.01	0.041	0.002	8.02	18.2	0.03	0.24	0.065	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xiuqiong.H

Sampler

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TONG MING ENTERPRISE CO., LTD

PURCHASER: MECSU JOINT STOCK COMPANY	CERT NO: 965905	Report Code:
ADDRESS: 39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N: A1822534MFTP0308	PO# NO:
SIZE: 3/8-24 UNF	MATERIAL TYPE: A2(304)	ITEM NO: 1882
MARKING: THE	SHIP QTY: 8400 PC	HEAT NO: S250111AA21
MFR.: TONG MING ENTERPRISE CO.,LTD.	COMMODITY: ASME B18.2.2-15	LOT NO: C801260540003
MFR. DATE: 2025/02/18	Product Name: Hex Jam Nuts	Surface: Passivated
Sampling Date: 2025/02/24	Test Date: 2025/02/24	Sample Plan spec: ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS	(INCH)	SPECIFICATION	SAMPLE STANDARD:	ASME B18.2.2-15	SAMPLE DETERMINANT
CHARACTERISTICS			ACTUAL RESULT		
Width Across Flats	0.551 <--->	0.562	0.558 <--->	0.559	Qualified
Across Corner	0.628 <--->	0.65	0.635 <--->	0.636	Qualified
Thickness	0.21 <--->	0.227	0.22 <--->	0.222	Qualified
Minor Diameter	0.33 <--->	0.34	0.337 <--->	0.3398	Qualified
Pitch Diameter(GO/NOGO)	0.3479 <--->	0.3528	PASSED		Qualified
FIM		0.017 max	0.004 <--->	0.008	Qualified

MECHANICAL PROPERTIES	SPECIFICATION	SAMPLE STANDARD:	ASTM F594-09	SAMPLE DETERMINANT
CHARACTERISTICS		ACTUAL RESULT		
Core Hardness ^a	95 <---> 107	102 <---> 104		Qualified

CHEMICAL COMPOSITION%										
Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	N	SAMPLE DETERMINANT
S250111AA21	0.02	0.21	0.99	0.039	0.003	8.03	18.27	0.03	0.055	Qualified

Jiaminshen

Authorization

Xiaochunchen

Verification

Xinyu. Wu

Sampler

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TONG MING ENTERPRISE CO., LTD

PURCHASER:	MECSU JOINT STOCK COMPANY	CERT NO:	966083	Report Code:	
ADDRESS:	39 Tran Hung Dao Street, Tan Thanh Ward, Tan Phu District, Ho Chi Minh City, Vietnam	CUST P/N:	D0931N316CNP12006000	PO# NO:	
SIZE:	M12-1.75 X 60	MATERIAL TYPE:	A4(316)	ITEM NO:	2560
MARKING:	A4-70 THE	SHIP QTY:	100 PC	HEAT NO:	NY241114AV16
MFR.:	TONG MING ENTERPRISE CO.,LTD.	COMMODITY:	DIN931-1987	LOT NO:	C737778850001
MFR. DATE:	2024/11/21	Product Name:	Hex Head Bolts with Shank	Surface:	Passivated
Sampling Date:	2024/11/27	Test Date:	2024/11/27	Sample Plan spec:	ANSI/ASME B18.18

DIMENSIONAL INSPECTIONS		(mm)	SAMPLE STANDARD:		DIN931-1987
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Width Across Flats	18.67	<---> 19	18.85	<---> 18.88	Qualified
Across Corner		21.1 min	21.54	<---> 21.58	Qualified
Head Height	7.32	<---> 7.68	7.47	<---> 7.53	Qualified
Body Diameter	11.73	<---> 12	11.82	<---> 11.84	Qualified
Length of Thread	30	<---> 38	31.21	<---> 31.24	Qualified
Nominal Length	59.4	<---> 60.6	59.49	<---> 59.83	Qualified
Major Diameter	11.701	<---> 11.966	11.838	<---> 11.851	Qualified
Pitch Diameter(GO/NOGO)	10.679	<---> 10.829	PASSED		Qualified
Thickness of washer face	0.15	<---> 0.6	0.41	<---> 0.43	Qualified
washer face diameter		17.4 min	17.77	<---> 17.8	Qualified

MECHANICAL PROPERTIES		SAMPLE STANDARD:		ISO3506-1 :2020	
CHARACTERISTICS	SPECIFICATION		ACTUAL RESULT		SAMPLE DETERMINANT
Tensile Strength(N/mm ²)	700 min		963	<---> 978	Qualified
Yield Strength(N/mm ²)	450 min		813	<---> 825	Qualified
Elongation after fracture(mm)	4.8 min		5	<---> 6	Qualified

CHEMICAL COMPOSITION%

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
NY241114AV16	0.027	0.37	1.03	0.033	0.001	10.02	16.22	2.01	0.37	0.035	Qualified

Jiamin Shen

Authorization

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Verification

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