



MIS TOOLS

BUILDING METAL PRODUCTS TRADING LLC



COMPANY PROFILE

ENGINEERING YOUR CONNECTIONS

www.mis-eqpt.com

Sales@mis-eqpt.com

globalsales@mis-eqpt.com

INTRODUCTION

DISCOVER MIS TOOLS

At **MIS Tools, Building Metal Products Trading LLC**,

our founding mission is centered on delivering precise products to the industry exactly when needed.

Our specialized team of engineers champions a motto that prioritizes endowing customers with unparalleled technical prowess in riveting and fastening solutions.

Operating round the clock, 24 hours a day, 365 days a year, our unwavering dedication ensures we stand ready to cater to our customers' every riveting need.

Furthermore, we pride ourselves on offering tailored, customized solutions meticulously crafted to meet your project's unique demands, all while maintaining a competitive edge in costs.

WHO WE ARE

We are a team of passionate Engineers with over 15+ years of experience in the field of Fasteners and Tools.



The Riveting Revolution



STANDARD BLIND RIVETS

Also known as open end blind rivets, pop rivets, tucker rivets etc are widely used in various applications like furniture metal, fabrication, switchgear, cars, seating, enclosures, HVAC, Ducting, Shelters, Housing etc.

Material: Aluminium, Steel, Stainless Steel, Monel, Copper

CLOSED BLIND RIVETS

Closed-end blind rivets are typically utilized in applications that demand weather resistance. They are completely sealed from air and water elements, thereby providing a waterproof joint. Some common uses include sandwich panels for warehouses and cold rooms, as well as in metal roofing and refrigerated trucks.

Material: Aluminum, Steel, Stainless steel.

HIGH STRENGTH RIVETS

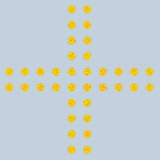
High-strength rivets find extensive use in applications necessitating superior resistance to breaking loads. Variants like Monolocks, Nowlocks, Hemfirm, etc., offer enhanced strength compared to standard blind rivets, boasting excellent clamping force and visual appeal on the set side. .

Materials : Aluminum, Steel and stainless steel

Lockbolts

A LockBolt comprises a hardened metal pin and collar that create a precise clamp force, securing assembled parts. Commonly used in heat exchangers, HVAC, scaffolding, and formwork, as well as unit loading devices. Sizes range from 4.8 to 12mm, with a heavy-duty 16mm option available. Materials include aluminum, steel, and stainless steel.





Multi-grip Blind Rivets



Multigrip Blind Rivets: Multigrip and polygrip blind rivets represent the most versatile versions among standard blind rivets. These are the most versatile among standard options, offering a wider grip range for enhanced clamping and a sleek bulb-like appearance.

Materials: *Aluminum, steel, and stainless steel*

Monobolt/ Interlok Rivets



Monobolt rivets are single-piece, high-strength blind rivets with a break-off mandrel. Ideal for structural applications in construction, automotive, and aerospace, they offer robust, vibration-resistant connections and reliable sealed joints.

Materials: *Aluminum, steel, stainless steel*

Bulbtite Rivets



Bulbtite rivets are the gold standard in roofing applications. The benefits include application in thin and soft materials without risk of cosmetic and structural damage. Bulblite rivets are weather resistant and are widely used in standing seam systems.

Sizes: 5.2 mm, 6 mm and 7.7 mm with varied grip lengths

Pop Nuts, Rivet Nuts



We offer a full range of rivet nut and rivet nut tools
Types: Pneumatic (Air Operated Hydraulic Actuated)
Battery riveting and rivet nut tools
Hand rivet and rivet nut tool
Solutions for high throughput applications

Self-pierce rivets/ Self clinch Fasteners

Self-pierce rivets (SPRs) bypass pre-drilled holes, swiftly joining sheets by piercing the top and extruding on the bottom for strong, reliable joints. They work across materials and are faster to install.

Self-clinching fasteners create lasting joints without extra steps, perfect for thin sheets and tight spaces. Both are quick, strong options for sheet metal assembly, chosen based on needs like material compatibility and permanence. Industries like automotive, electronics, and aerospace rely on their efficiency.



SELF CLINCH STUDS



SELF CLINCH NUTS



BLIND STANDOFFS



PANEL FASTNERS



SELF CLINCH TOOLS



SELF PIERCE CASSETTE

www.reallygreatsite.com

BOLTS & NUTS

Nuts and bolts form a robust fastening team, fortifying thinner materials like sheet metals, aluminum, plastics, and carbon fiber. They create secure threaded points for attaching bolts and accessories, perfect for setups requiring occasional disassembly. Found in switchgear, enclosures, furniture, generator canopies, and aluminum substructures, they come in sizes from M3 to M12, catering to various project needs. we offer a comprehensive array of Nuts & Bolts to meet your every need.



HEX BOLT



HDG BOLT



ALLEN BOLT



DOME NUTS



SQUARE NUTS



HEX NUTS



WASHERS & THREADED BARS

Washers work silently yet effectively, reinforcing connections in thinner materials across diverse applications. From sheet metals to aluminum and carbon fiber, they ensure stability for bolts and accessories, crucial for occasional disassembly needs. These vital components are omnipresent in switchgear, enclosures, furniture, generator canopies, and aluminum substructures. Sizes spanning from M3 to M12 cater to various project demands. Discover a comprehensive range of washers at our supply hub, ensuring we have all types to fortify your assemblies.



FLAT WASHERS



SPRING WASHERS



FENDER WASHER



THREADED BARS



COUPLER NUT



EYE BOLT



SCREWS

SELF TAPPING/GYPSUM/MACHINE SCREWS/SPECIAL PURPOSE

Screws, the backbone of fastening, secure materials with precision across various applications. From sheet metals to aluminum and carbon fiber, they create steadfast connections for diverse assemblies, ensuring stability and reliability. These indispensable components play a pivotal role in switchgear, enclosures, furniture, generator canopies, and aluminum substructures. Available in sizes ranging from M3 to M12, screws accommodate different project requirements. Explore our extensive collection at the supply hub, offering a variety of screws to match your assembly needs with precision and strength.



WINDOW SCREW



MACHINE SCREW



**SELF TAPPING
SCREW**



**WOOD CONSTRUCTION
SCREW**



GYPSUM SCREW



**SOCKET HEAD
SCREW**



SELF DRILLING SCREWS

Screws / Threaded Rods / Bolts / Nuts / Washers / Anchors / Brass / Stainless Steel

Self-drilling screws are the linchpin of fastening technologies, intricately engineered to securely affix materials across multifarious applications. From the precision of Stitch screws to the versatility of pan heads, the flush fit of counter sunk head screws, and the durability of ruspertcoathead screws, each variant serves a distinct purpose in ensuring steadfast connections. Explore our comprehensive array at the supply hub, where an extensive selection of self-drilling screws awaits to match your assembly needs with technical excellence and reliability.



STITCH SCREW



**SD SCREWS WITH
METAL CAPS**



**COUNTER SUNK
SCREW**



**RUSPERT COATED
SCREWS**



**SCREWS FOR
SKYLIGHTS**



BIMETAL SCREWS



SHEAR STUDS/BUTYL TAPES/CAPS

Butyl Tapes/screw caps/accessories

Self-drilling screws are the linchpin of fastening technologies, intricately engineered to securely affix materials across multifarious applications. From the precision of Stitch screws to the versatility of pan heads, the flush fit of counter sunk head screws, and the durability of ruspertcoathead screws, each variant serves a distinct purpose in ensuring steadfast connections. Explore our comprehensive array at the supply hub, where an extensive selection of self-drilling screws awaits to match your assembly needs with technical excellence and reliability.

TitanBond®



BUTYL TAPES



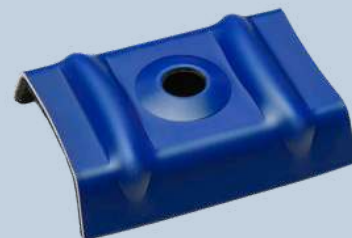
SHEAR STUDS



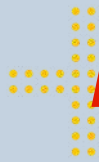
**COLOUR
SCREW CAPS**



FOAM FILLER BLOCKS



SADDLE WASHERS



Honsel Rivet Tools:



Rivdom EBZ 1

This tool is a lightweight powerhouse, weighing only 1.6 kg with a compact build. It handles blind rivets up to 5.0 mm effortlessly, boasting a setting force of 10,000 N thanks to its new brushless motor. Lightning-fast, it sets rivets in under a second, processing 30 in just 60 seconds—twice the speed of comparable tools. Its automatic mandrel removal ensures quick, seamless operation without any need to tilt the tool.



Rivdom EBZ Zero

A LockBolt comprises a hardened metal pin and collar that create a precise clamp force, securing assembled parts. Commonly used in heat exchangers, HVAC, scaffolding, and formwork, as well as unit loading devices. Sizes range from 4.8 to 12mm, with a heavy-duty 16mm option available. Materials include aluminum, steel, and stainless steel.



Rivdom E-BZ Zero S

Rivdom's RivSmart: compact, expertly handling blind rivets up to 4.0 mm in production lines. Maintenance is tool-free—swap clamping jaws and nosepieces instantly.

Choose your return mode: manual needs continuous trigger pressure until rivet shearing, while automatic mode activates with a light trigger press. After shearing, RivSmart swiftly resets, ensuring a rapid riveting cycle.

Bluebird Series Rivet Tools:



Bluebird Raptor



Completely redesigned compact rivet nut tool

Lightweight at 1.9 Kgs only

Highly reliable motor with reduced component wear

Fast operation and quick setting of rivet nuts .Convenient reverse switch. New

Hydraulic oil circuit design improves reliability

High quality plastic and aluminium components

Setting capacity m3 to m12 in all materials

Nosekits included.

High setting force upto 35KN.Easy repair and maintenance.

1 year warranty backed by excellent service support

Bluebird Falcon



High torque Brushless motor designed for strong rivets.

Improved ergonomic design.

Industrial quality design with CNC alloy gears.

Quick dismantle Nose assembly for faster maintenance.

High quality non contact induction switch ensures longer life span.

Retaining Nose tips for automatic mandrel evacuation.

Fast charging High capacity battery confirms to CE standards.

Led lights indicate status and illuminate application area.

Led indicator on battery indicates charge status.

Capacity :2.4 mm to 6.4 mm rivets. High pull force of upto 20 Kn.

Bluebird Eagle 2



Light weight at only 1.35 Kgs.

Ergonomic design reduces operator fatigue

Sturdy trigger ensures fast and efficient operation.

Redesigned Hydraulic system

Low Air consumption reduced operational costs

Vaccum absorption system ensures quick turnaround

Transparent mandrel collector

Safety feature disconnects Vaccum system upon removal of mandrel collector.

Easy oil change and maintenance

Pivoted Air connector with cutoff switch. Setting capacity: 3.2mm to 5 mm

DUSS



MADE IN GERMANY SINCE 1920

DRILLS (ROTARY AND HAMMERS)
DIAMOND CORE DRILLS(WET AND DRY)
BREAKERS
DEMOLITION HAMMERS
ACCESSORIES



PROJECTS SUPPLIED

Outdoor theater king Salman park, KSA
PCEE majma, KSA
Landmark warehouse extension
TSE Angola & TSE Nigeria
SEPCO, KSA
VERT, Kenya
Public and Private Property Schools Project,Doha,qatar
Hyundai HMME factory Project
Aramco World Cup Stadium,DAMMAM,KSA
Mabani Aircraft Hangar projec,BAHRAINt
Zabeel Tower,Dubai
Difc Project
Misk project Saudi Arabia
Etihad project hanger 7, H6D, Abu Dhabi

SCOPE OF SUPPLY

- Bulbtite rivets Roofing rivets
- Closed end rivets Bi Metal Self
- Drilling Screws and colour caps
- Carbon Steel Self Drilling Screws
- Shear Studs Nut Bolts ,Washers
- Butyl Tapes

BinGhatti Experience centre
BinGhatti Hill Crest
Mercedes Benz place by BinGhatti
Bugatti Residence by Bin Ghatti

ENGINEERING YOUR CONNECTIONS

PROJECTS SUPPLIED

AL RASHID SCHOOLS,DUBAI

BMW SHOWROOM,OMAN

BUGATTI TOWER BY BIN GHATTI ,DUBAI

CHICAGO RAK ACADEMY

ANKORA VILLAS

NORTH GATEWAY

BOYS CAMPUS, KUWAIT

SEPCO PROJECT(TPI), KINGDOM OF SAUDI ARABIA

ABUDHABI WASTE TO ENERGY

SITE TECHNOLOGY-TURBOTIM PROJECT

SCOPE OF SUPPLY

- **Bulbtite rivets Roofing rivets**
- **Closed end rivets Bi Metal Self**
- **Drilling Screws and colour caps**
- **Carbon Steel Self Drilling Screws**
- **Shear Studs Nut Bolts ,Washers**
- **BUTYL TAPES**

ENGINEERING YOUR CONNECTIONS



SPECIALIST FASTENERS AND TOOLS

TECHNICAL DATA SHEETS AND TEST REPORTS

W139B, DUBAI MARITIME CITY, DUBAI, UAE
TEL: +971585635360, +971504574726

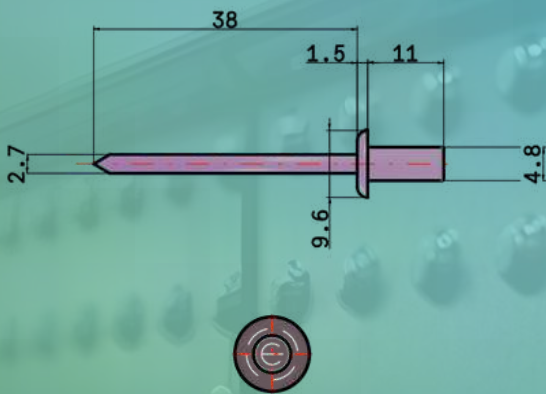
SALES@MIS-EQPT.COM, GLOBALSALES@MIS-EQPT.COM, UAESALES@MIS-EQPT.COM
WWW.MIS-EQPT.COM

 **HONSEL**

DUSS

TECHNICAL DATASHEET

4.8 X11.5 ALU/SS CLOSED END RIVET



MATERIAL SPECIFICATIONS

BODY : ALUMINIUM 5050 SERIES
MANDREL: POLISHED SS304

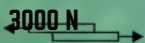
ITEM NUMBER/CODE :

NW48115ASSS
SCT48115ASSS
TEN48115ASSS



MECHANICAL VALUES (N)

MIN. SHEAR STRENGTH



MIN. TENSILE STRENGTH



BORE HOLE DIAMETER (MM)



4.9 MM

DIMENSIONS (MM)

SHAFT DIAMETER (D) :4.8 MM
SHAFT LENGTH (L): 11.05-11.7
HEAD HEIGHT (K) :2.0 (MAX)
HEAD DIAMETER (DK) :8.3-10.1 MM
MANDREL DIAMETER (DM): 2.7 MM(MAX)

STANDARD

DIN 7337
GB/T 16475-2023
GB/T 3190-2020
ROHS/2.0/2011/65/EU

CLAMPING RANGE (MM)



5.0 UP TO 6.5

ADDITIONAL INFORMATION

PACKING :500PCS/BOX
HSCODE :73182300/76161000

W139B,DUBAI MARITIME CITY,DUBAI,UAE

TEL: +971585635360, +971504574726

SALES@MIS-EQPT.COM, GLOBALSALES@MIS-EQPT.COM ,UAESALES@MIS-EQPT.COM

WWW.MIS-EQPT.COM

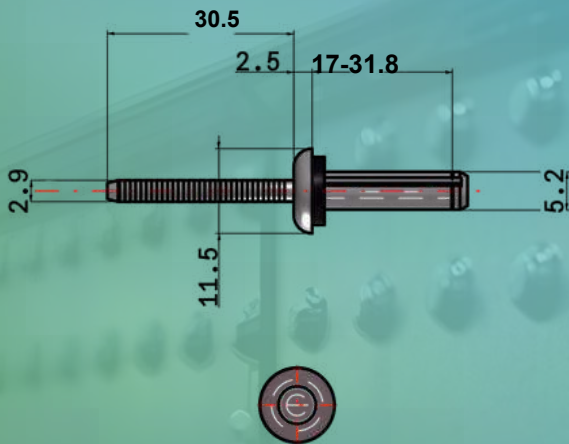
TEST REPORT

4.8 X 11.5 ALU/SS CLOSED END(SEALED)

REQUIRED		SPEC		MEASURED VALUE					REMARKS	SIGN
		MAX	MIN	sample1	sample2	sample3	sample4	sample5		
Closed End Rivet (With Polish Rod) 	Head Dia. , d _k (mm)	9.79	9.21	9.64	9.65	9.52	9.49	9.67	NO	OK
	Head Thickness, k (mm)	2.00	/	1.89	1.95	1.93	1.90	1.96	NO	OK
	Body Dia., d (mm)	4.88	4.70	4.75	4.78	4.80	4.85	4.83	NO	OK
	Body Length, L (mm)	12.00	11.00	11.86	11.92	11.59	11.89	11.95	NO	OK
	Mandrel Protrusion, L1 (mm)	≥27	/	33.90	28.66	30.24	27.99	31.85	NO	OK
	SHEARING (N)	≥2200		2245	2300	2370	2290	2400	NO	OK
	T ENSILE (N)	≥3100		3200	3119	3205	3250	3300	NO	OK
SIZE&MAT ERIAL : 4.8*11.5 Alu/SS		DAT E : 2025/11/20		INSPECT OR : Yiyun.chen						

TECHNICAL DATASHEET

5.2 X (L) ALU/ALU BULBTITE RIVET



MATERIAL SPECIFICATIONS

BODY : ALUMINIUM 5056 SERIES

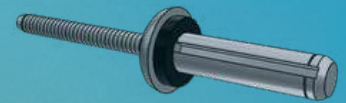
MANDREL : 7A03

FINISH : POLISHED

WASHER : NEOPRENE

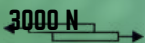
ITEM NUMBER/CODE :

NWS217BT / NWS219BT / NWS222BT NWS225BT
/ NWS228BT / NWS232BT

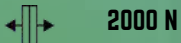


MECHANICAL VALUES (N)

MIN. SHEAR STRENGTH



MIN. TENSILE STRENGTH



BORE HOLE DIAMETER (MM)

5.3 MM



DIMENSIONS (MM)

SHAFT DIAMETER (D) : 5.2 MM

SHAFT LENGTH (L) : 17 TO 31.8 MM

HEAD HEIGHT (K) : 3.2 (+/- 0.03) MM

HEAD DIAMETER : 11.3(+/-0.03) MM

MANDREL DIAMETER : 2.9(+/-0.01) MM

STANDARD

DIN 7337

GB/T 16475-2023

GB/T 3190-2020

ROHS/2.0/2011/65/EU

CLAMPING RANGE (MM)



1.3 - 19.1 MM (FOR VARIED
RIVET LENGTHS)

ADDITIONAL INFORMATION

PACKING : 500 PCS /BOX , 250

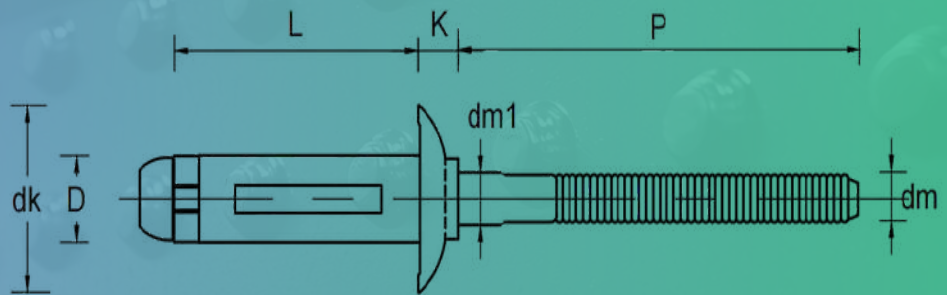
PCS/BOX

HSCODE : 73182300/76161000

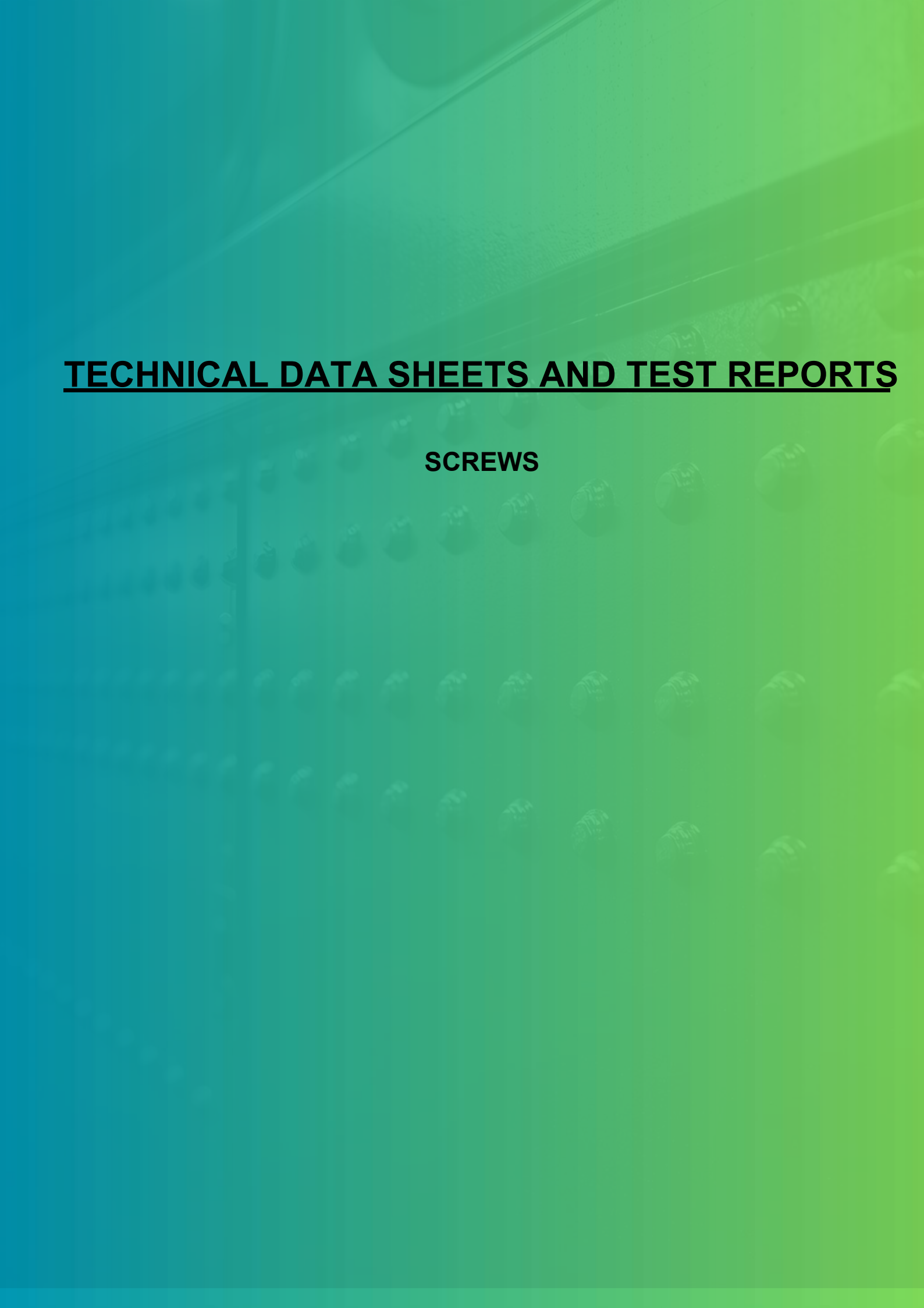
TEST REPORT

5.2 X 19.1 ALU/ALU BULBTITE

Name	Alu Bulbtite rivet with neoprene washer
Size	5.2*19.1
Cap Materials	5056
Nail Materials	7A03
Q'ty of samples	10pcs + 10pcs
Date	2025.08.21
Unit:	mm
Inspector:	Tu



S		sample1	sample2	sample3	sample4	sample5	sample6	sample7	sample8	sample9	sample10
Shear Force N	≥ 3000	3150	3267	3236	3196	3305	3244	3304	3122	3255	3284
Tensile Force N	≥ 2000	2261	2388	2258	2316	2307	2250	2322	2259	2230	2202
D	$5.2 \pm 0.1 / -0.2$	5.05	5.06	5.08	5.06	5.05	5.06	5.05	5.06	5.07	5.06
L	19.1 ± 0.4	19.3	19.28	19.2	19.19	19.2	19.22	19.21	19.31	19.26	19.23
dk	11.3 ± 0.3	11.36	11.3	11.29	11.4	11.29	11.3	11.33	11.38	11.28	11.32
K	3.2 ± 0.3	3.15	3.2	3.12	3.16	3.18	3.12	3.23	3.16	3.12	3.18
dm	2.9 ± 0.1	2.87	2.88	2.87	2.86	2.87	2.88	2.87	2.88	2.88	2.87
P	≥ 27	30.5	30.5	30.64	30.44	30.36	30.45	30.34	30.42	30.56	30.51
OK / ON		OK	OK	OK	OK	OK	OK	OK	OK	OK	OK



TECHNICAL DATA SHEETS AND TEST REPORTS

SCREWS

TECHNICAL DATASHEET

CARBON STEEL SELF DRILLING SCREW 5.5/6.3 X L*

- FASTENER MATERIAL: CARBON STEEL WASHER MATERIAL: CARBON STEEL WITH EPDM BONDED
- WASHER
- DRILL POINT: HARDENED CARBON-STEEL NO.3 POINT (DRILL CAPACITY 2.0 TO 5.0 MM) :
- DIAMETER : 5.5/6.3 HI LO THREAD
COATING : ZINC,RUSPERT 500,1000,1500,2000(SILVER,GREY WHITE)

TENSILE STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
KN	5.0	7.0	10.0	12.5	17.0

SHEAR STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
KN	2.9	4.4	6.3	8.4	12.27

PULL OUT STRENGTH

GAUGE	DRILL POINT-#2, #3			#5		
MM	1.6	2.0	3.0	3.2	5.0	6.0
KN	3.8	4.9	7.9	9.3	11.21	12.5

TORSIONAL STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
NM	2.8	4.5	6.5	10.0	14.0

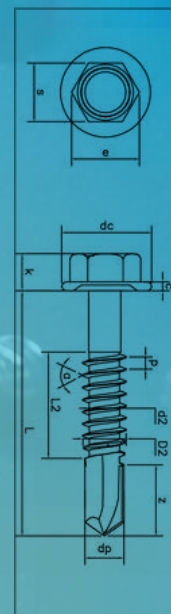
PERFORMANCE & MECHANICAL DATA

	STEEL THICKNESS	4.8 MM(#10)	5.5 MM(#12)	6.3 MM(#14)
SHEAR STRENGTH(N)		6700	10400	13400
TENSILE STRENGTH(N)		9500	13900	15500
TORSIONAL STRENGTH(N-M)		6.5	10.0	14.0
PULL OUT STRENGTH(N)	2.3MM	4690	4700	5000
	3.2MM	7480	7610	7930
	4.5MM	9680	12700	13500
	6.0MM		13900	15000
DRILLING CAPACITY	MAX.MM	3.5	4.5	6.0

MENTIONED VALUES ARE ULTIMATE PEAK LOADS AND DO NOT CONTAIN SAFETY FACTORS.

STRENGTHS ARE INDICATIVE AND MAY VARY ON APPLICATION, SUBSTRATE AND OTHER CONDITIONS

*LENGTHS AVAILABLE FROM 20 MM TPTD 250+MM



TECHNICAL DATASHEET

BI METAL SELF DRILLING SCREW 5.5x L



- FASTENER MATERIAL: BI METAL STAINLESS STEEL A2 (AISI 304)
- WASHER MATERIAL: STAINLESS STEEL A2 (AISI 304) WITH EPDM BONDING.
- DRILL POINT: HARDENED CARBON-STEEL NO.3 POINT (DRILL CAPACITY 2.0 TO 5.0 MM)
- DIAMETER: 5.5 FULL THREAD
- COATING : ZINC,RUSPERT 500,1000,1500,2000(SILVER,GREY WHITE)

TENSILE STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
KN	5.0	7.0	10.0	12.5	17.0

SHEAR STRENGTH

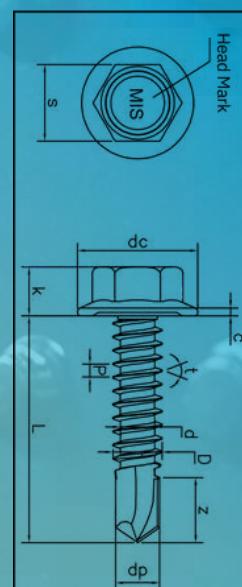
GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
KN	2.9	4.4	6.3	8.4	12.27

PULL OUT STRENGTH

GAUGE	DRILL POINT-#2, #3					#5
MM	1.6	2.0	3.0	3.2	5.0	6.0
KN	3.8	4.9	7.9	9.3	11.21	12.5

TORSIONAL STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
NM	2.8	4.5	6.5	10.0	14.0



STRENGTHS ARE INDICATIVE AND MAY VARY ON APPLICATION, SUBSTRATE AND OTHER CONDITIONS
*LENGTHS AVAILABLE FROM 20 MM TPTO 250+MM

PERFORMANCE & MECHANICAL DATA

	STEEL THICKNESS	4.8 MM(#10)	5.5 MM(#12)	6.3 MM(#14)
SHEAR STRENGTH(N)		6700	10400	13400
TENSILE STRENGTH(N)		9500	13900	15500
TORSIONAL STRENGTH(N-M)		6.5	10.0	14.0
PULL OUT STRENGTH(N)	2.3MM	4690	4700	5000
	3.2MM	7480	7610	7930
	4.5MM	9680	12700	13500
	6.0MM		13900	15000
DRILLING CAPACITY	MAX.MM	3.5	4.5	6.0



TECHNICAL DATASHEET

BIMETAL SELF DRILLING SCREW 5.5/6.3 X L*

- FASTENER MATERIAL: BI METAL STAINLESS STEEL A2 (AISI 304)
- WASHER MATERIAL: STAINLESS STEEL WITH A2 (AISI 304) WITH EPDM BONDED
- DRILL POINT : HARDENED CARBON-STEEL NO.3 POINT (DRILL CAPACITY 2.0 TO 5.0 MM)
- DIAMETER: 5.5/6.3 HIGH THREAD
- COATING : ZINC, RUSPERT 500, 1000, 1500, 2000 (SILVER, GREY WHITE)

TENSILE STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
KN	5.0	7.0	10.0	12.5	17.0

SHEAR STRENGTH

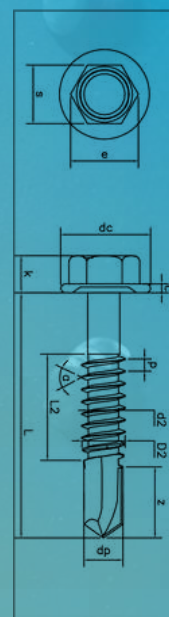
GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
KN	2.9	4.4	6.3	8.4	12.27

PULL OUT STRENGTH

GAUGE	DRILL POINT-#2, #3					#5
MM	1.6	2.0	3.0	3.2	5.0	6.0
KN	3.8	4.9	7.9	9.3	11.21	12.5

TORSIONAL STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
NM	2.8	4.5	6.5	10.0	14.0



STRENGTHS ARE INDICATIVE AND MAY VARY ON APPLICATION, SUBSTRATE AND OTHER CONDITIONS
*LENGTHS AVAILABLE FROM 20 MM TPTD 250+MM

PERFORMANCE & MECHANICAL DATA

	STEEL THICKNESS	4.8 MM (#10)	5.5 MM (#12)	6.3 MM (#14)
SHEAR STRENGTH(N)		6700	10400	13400
TENSILE STRENGTH(N)		9500	13900	15500
TORSIONAL STRENGTH(N-M)		6.5	10.0	14.0
PULL OUT STRENGTH(N)	2.3MM	4690	4700	5000
	3.2MM	7480	7610	7930
	4.5MM	9680	12700	13500
	6.0MM		13900	15000
DRILLING CAPACITY	MAX.MM	3.5	4.5	6.0

TECHNICAL DATASHEET

CARBON STEEL SELFDRILLING SCREW 5.5X L

FASTENER MATERIAL: GI CARBON STEEL WASHER MATERIAL: GI CARBON STEEL WITH EPDM
BONDED DRILL POINT: HARDENED CARBON-STEEL NO.3 POINT (DRILL CAPACITY 2.0 TO 5.0
MM) DIAMETER: 5.5 FULL THREAD

TENSILE STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
KN	5.0	7.0	10.0	12.5	17.0

SHEAR STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
KN	2.9	4.4	6.3	8.4	12.27

PULL OUT STRENGTH

GAUGE	DRILL POINT-#2, #3			#5		
MM	1.6	2.0	3.0	3.2	5.0	6.0
KN	3.8	4.9	7.9	9.3	11.21	12.5

TORSIONAL STRENGTH

GAUGE	#6	#8	#10	#12	#14
MM	3.5	4.2	4.8	5.5	6.3
NM	2.8	4.5	6.5	10.0	14.0

STRENGTHS ARE INDICATIVE AND MAY VARY ON APPLICATION, SUBSTRATE AND OTHER CONDITIONS
*LENGTHS AVAILABLE FROM 20 MM TPTO 250+MM

PERFORMANCE & MECHANICAL DATA

	STEEL THICKNESS	4.8 MM(#10)	5.5 MM(#12)	6.3 MM(#14)
SHEAR STRENGTH(N)		6700	10400	13400
TENSILE STRENGTH(N)		9500	13900	15500
TORSIONAL STRENGTH(N-M)		6.5	10.0	14.0
PULL OUT STRENGTH(N)	2.3MM	4690	4700	5000
	3.2MM	7480	7610	7930
	4.5MM	9680	12700	13500
	6.0MM		13900	15000
DRILLING CAPACITY	MAX.MM	3.5	4.5	6.0

MENTIONED VALUES ARE ULTIMATE PEAK LOADS AND DO NOT CONTAIN SAFETY FACTORS.

Test Certificate

MIS Tools Building Metal Products Trading LLC
 Deira
 Dubai
 DUBAI
 United Arab Emirates

Report Number D920958 : Issue 2
 Page 1 of 1
 Order Number D24-18482
 Date Tested 22/10/24
 Date Reported 23/10/24

Attn: Arbaaz Mukadam
 Item - 4.5mm OD Self Drilling Screw
 Specification - N/A

P.M.I. - Client Requirement			
	Position	Details	Comments
001:Lab XRF Analysis	Surface	Id'd As: SS 304	Cr% = 18.1 Ni% = 8.32 Mo% = 0.04

Certificate Comments

*Testing conducted after removing the coating.
 This is an electronically issued test certificate.
 No Signature / Stamp is required.
 Item/Description: Provided by the client.
 ----- End of Text -----

Tested by Al Futtam Element Dubai


 الفطيم
 Al-Futtaim
 Al Futtam Element Materials Technology Dubai L.L.C.
 P.O. Box 34924, Dubai, United Arab Emirates
 P: +971 4 885 1001
 F: +971 4 885 4004
 info.dubai@element.com
 element.com
Pratap Adiyodi
 Operations Manager Metallurgy
 For and on authority of
 Al Futtam Element Materials

TEST REPORT

No. :NBIN2509004693ML01_EN

Date :2025-09-18

Page: 1 of 5



CUSTOMER NAME: MIS TOOLS BULIDING METAL PRODUCTS TRADING LLC
ADDRESS: W139 B,DUBAI MARITIME CITY,DUBAI,UAE

Sample Name : SCREWS
Product Specification : DIN 7504 5.5X80
Product or Lot No. : MIS-250427-04

Buyer : MIS TOOLS BULIDING METAL PRODUCTS TRADING LLC
Material and Mark : 304HC1/SWRCH22A
Heat No. : S240908AA15

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Tensile Test For Full-Size Fastener, Single Shear Test, Pull out Test
Date of Receipt : 2025-09-08
Testing Period : 2025-09-08 ~ 2025-09-18
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd Ningbo Branch.

Reveka Chen

Reveka Chen
Authorized signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

TEST REPORT

No. :NBIN2509004693ML01_EN

Date :2025-09-18

Page: 2 of 5

1. Tensile Test For Full-Size Fastener

TestMethod:ASTMF606/F606M-25

Test item	Ultimate tensile load (kN)	Broken location
001	12.59	The free threaded length

Test photo:



During test



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

TEST REPORT

No. :NBIN2509004693ML01_EN

Date :2025-09-18

Page: 3 of 5

2. Single Shear Test

TestMethod:ASTMF606/F606M-25

Test item	Ultimate shear force (single section) (kN)
001	8.80

Test photo:



During test



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgsgroup.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

TEST REPORT

No. :NBIN2509004693ML01_EN

Date :2025-09-18

Page: 4 of 5

3. Pull out

Test Method: Per client s requirement.

Test result:

Test item	Maximum force (kN)	Fracture location
Result-001	6.47	Thread release

Test Photo:



During test

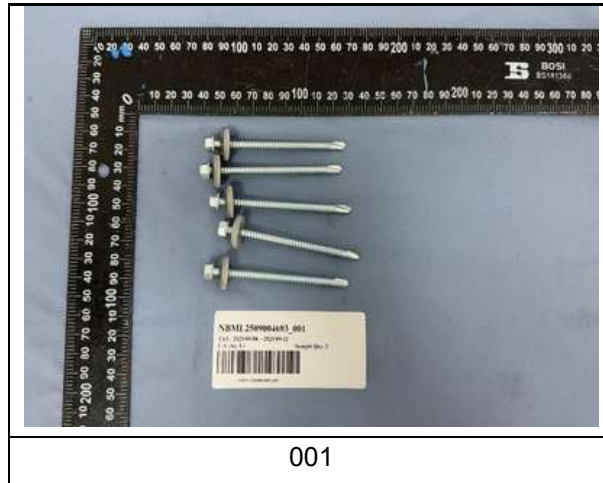
TEST REPORT

No. :NBIN2509004693ML01_EN

Date :2025-09-18

Page: 5 of 5

Sample Photo



001

The test report shall only be used for clients scientific research, teaching, internal quality control, product research and development, etc and just for internal reference.

*****End of report*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgsgroup.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

Page: 1 of 5



CUSTOMER NAME: MIS TOOLS BULIDING METAL PRODUCTS TRADING LLC
ADDRESS: W139 B,DUBAI MARITIME CITY,DUBAI,UAE

Sample Name : SCREWS
Product Specification : DIN 7504 5.5X125
Product or Lot No. : MIS-250517-1
Manufacturer : HEBEI XILIDE
Buyer : MIS TOOLS BULIDING METAL PRODUCTS TRADING LLC
Material and Mark : 304HC1/SWRCH22A
Heat No. : S240908AA15

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Tensile Test For Full-Size Fastener,Single Shear Test,Pull out Test
Date of Receipt : 2025-09-08
Testing Period : 2025-09-08 ~ 2025-09-18
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd Ningbo Branch.

Reveka Chen

Reveka Chen
Authorized signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

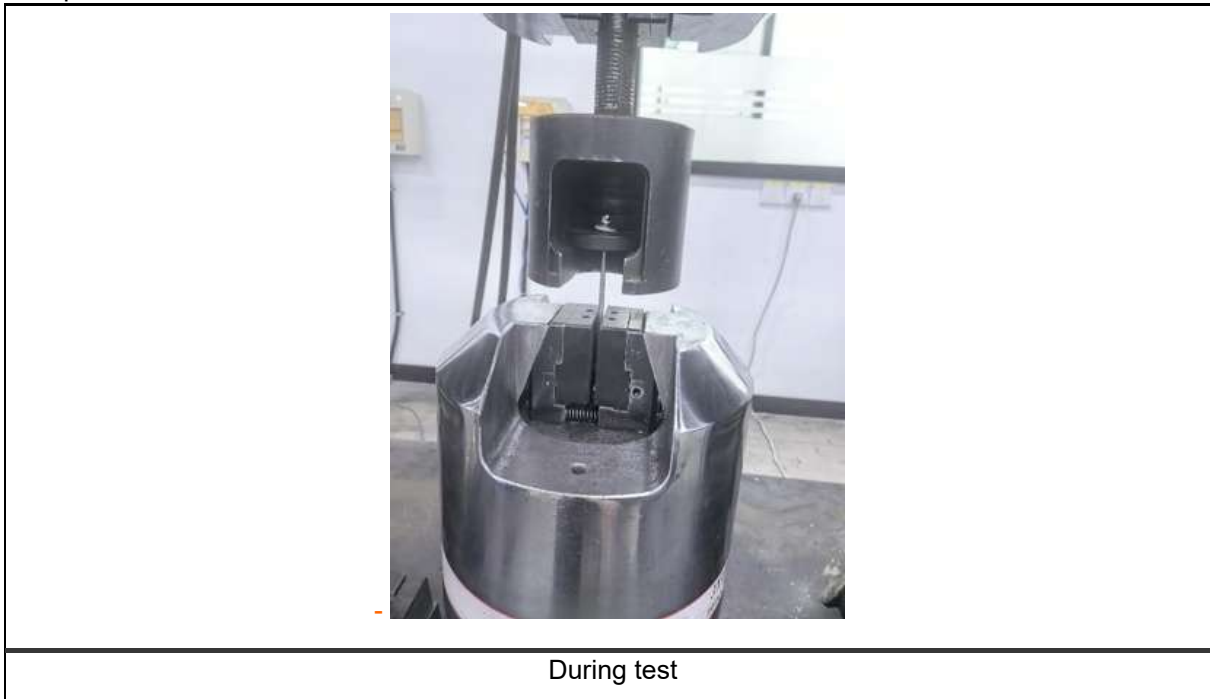
Page: 2 of 5

1. Tensile Test For Full-Size Fastener

TestMethod:ASTMF606/F606M-25

Test item	Ultimate tensile load (kN)	Broken location
002	12.29	Unthreaded rod

Test photo:



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

Page: 3 of 5

2. Single Shear Test

TestMethod:ASTMF606/F606M-25

Test item	Ultimate shear force (single section) (kN)
002	9.13

Test photo:



During test



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

Page: 4 of 5

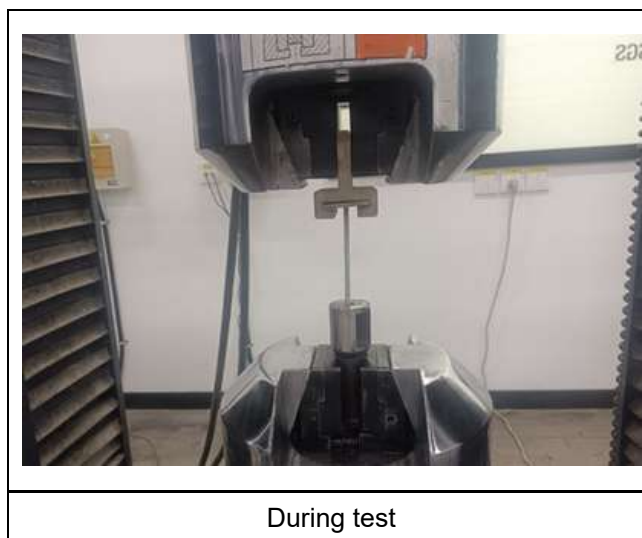
3. Pull out

Test Method: Per client s requirement.

Test result:

Test item	Maximum force (kN)	Fracture location
Result-002	6.29	Thread release

Test Photo:



TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

Page: 5 of 5

Sample Photo



The test report shall only be used for clients scientific research, teaching, internal quality control, product research and development, etc and just for internal reference.

*****End of report*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

Page: 1 of 5



CUSTOMER NAME: MIS TOOLS BULIDING METAL PRODUCTS TRADING LLC
ADDRESS: W139 B,DUBAI MARITIME CITY,DUBAI,UAE

Sample Name : SCREWS
Product Specification : DIN 7504 5.5X125
Product or Lot No. : MIS-250517-1

Buyer : MIS TOOLS BULIDING METAL PRODUCTS TRADING LLC
Material and Mark : 304HC1/SWRCH22A
Heat No. : S240908AA15

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Tensile Test For Full-Size Fastener,Single Shear Test,Pull out Test
Date of Receipt : 2025-09-08
Testing Period : 2025-09-08 ~ 2025-09-18
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd Ningbo Branch.

Reveka Chen

Reveka Chen
Authorized signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

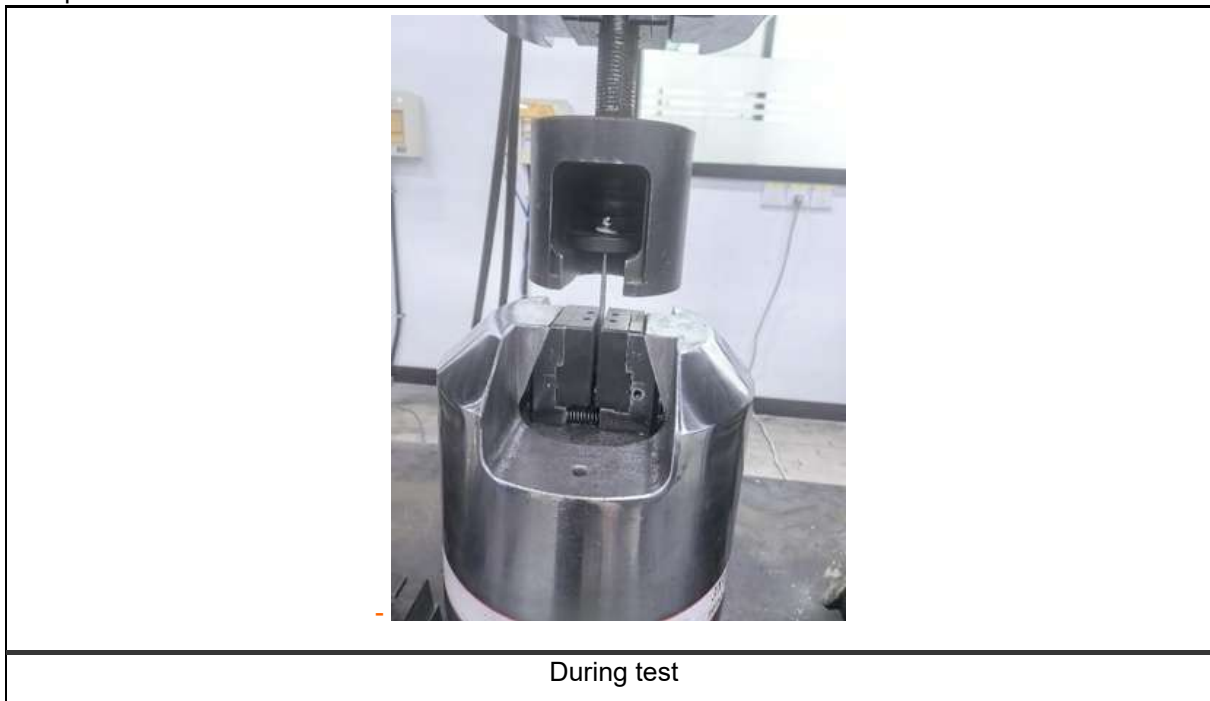
Page: 2 of 5

1. Tensile Test For Full-Size Fastener

TestMethod:ASTMF606/F606M-25

Test item	Ultimate tensile load (kN)	Broken location
002	12.29	Unthreaded rod

Test photo:



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

Page: 3 of 5

2. Single Shear Test

TestMethod:ASTMF606/F606M-25

Test item	Ultimate shear force (single section) (kN)
002	9.13

Test photo:



During test



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

Page: 4 of 5

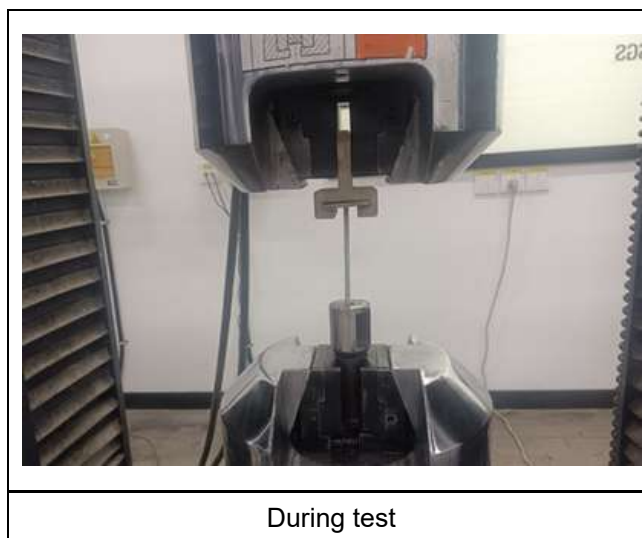
3. Pull out

Test Method: Per client s requirement.

Test result:

Test item	Maximum force (kN)	Fracture location
Result-002	6.29	Thread release

Test Photo:



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgsgroup.com.cn
PL (86-574) 89070238 sgs.china@sgs.com

TEST REPORT

No. :NBIN2509004693ML02_EN

Date :2025-09-18

Page: 5 of 5

Sample Photo



The test report shall only be used for clients scientific research, teaching, internal quality control, product research and development, etc and just for internal reference.

*****End of report*****

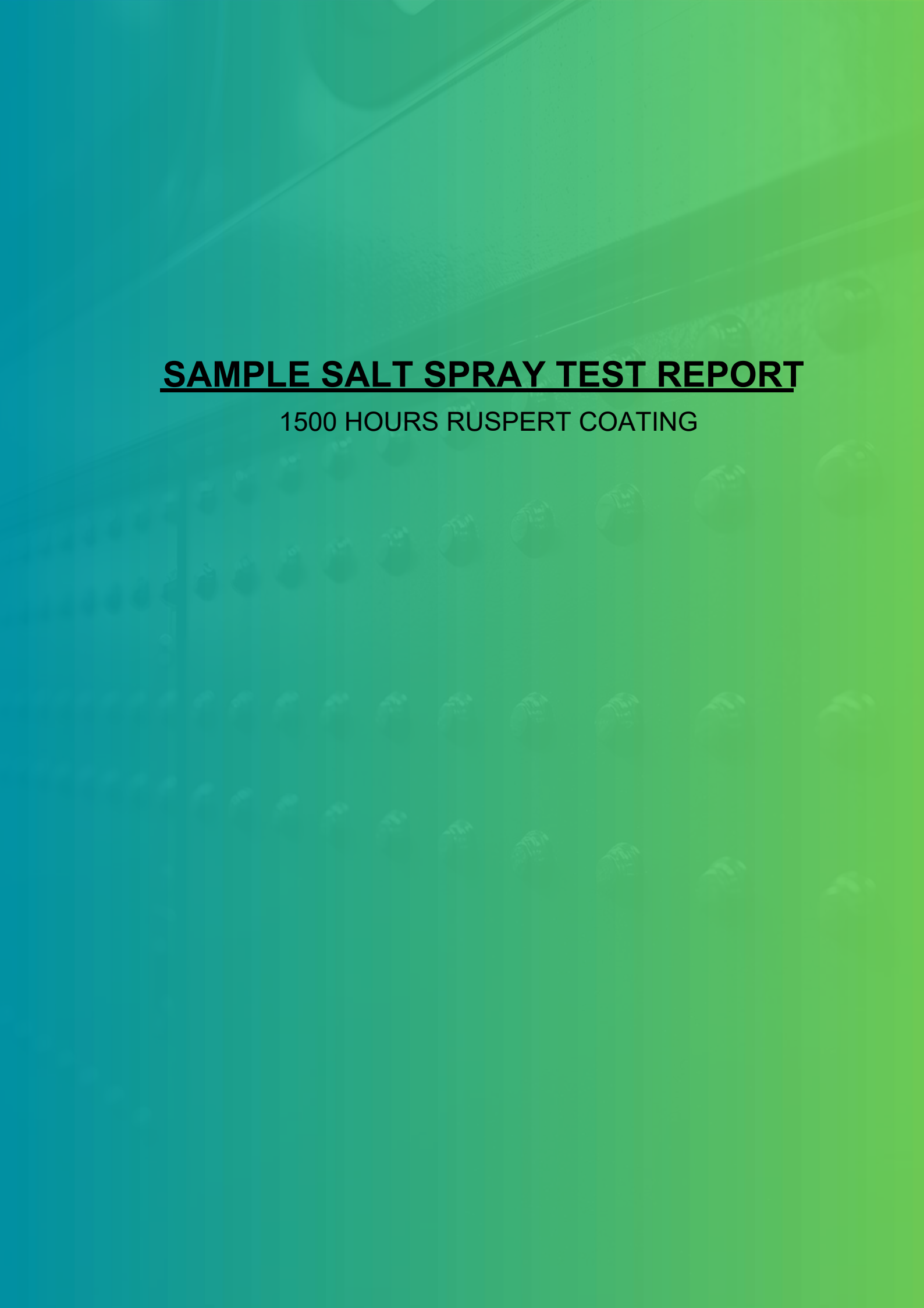


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1177, LingyunRoad, Hi-Tech Zone, Ningbo, Zhejiang, China 315040
中国·浙江·宁波高新区凌云路1177号 邮编: 315040

ML (86-574) 89070283 www.sgs.com.cn
PL (86-574) 89070238 sgs.china@sgs.com



SAMPLE SALT SPRAY TEST REPORT

1500 HOURS RUSPERT COATING



中国认可
国际互认
检测
TESTING
CNAS L4305

TEST REPORT

No.: NBIN2601000202PL04-1_EN

IssueDate: 2026-01-29

Page: 1 of 3

CUSTOMER NAME:

ADDRESS:

MISTOOLS BUILDING METAL PRODUCTS TRADING LLC

W139, DUBAI MARITIME CITY, DUBAI

Sample Name : SELF DRILLING SCREW

Product Specification : 5.5X 150 SS304 Sd SCREW RUSPERT 1500H

Product or Lot No. : MIS-25111601-01

Manufacturer :

Buyer : MIS TOOLS BUILDING METAL PRODUCTS

Material : SS304

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : NBIN2601000352ML04

Date of Receipt : 2026-01-20

Testing Period : 2026-01-20 ~ 2026-01-23

Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

July Zhang

July Zhang

Authorized signatory

Scan to see the report



NBIN2601000202PL04-1
Verification:
check.sgs.com.cn



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Unit 8 on 15F & Unit 2 on 2F of Building 7, 1F & Unit 2 on 4F of Building 5, Unit 2 on 15F & 2F of Building 4, Unit 2 on 1F of Building 3, No. 1177, Lingnan Road, Hi-Tech Zone, Ningbo, Zhejiang, China. 315040 ML (86-574) 89070283 www.sgs.com.cn
中国·浙江·宁波高新区凌南路1177号001幢3层01室、009幢4层01室、11层-5室、008幢3层01室、4层01室、008幢7层01室 6层-2室02室 邮编: 315040 PL (86-574) 89070238 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

TEST REPORT

No.: NBIN2601000202PL04-1_EN

IssueDate: 2026-01-29

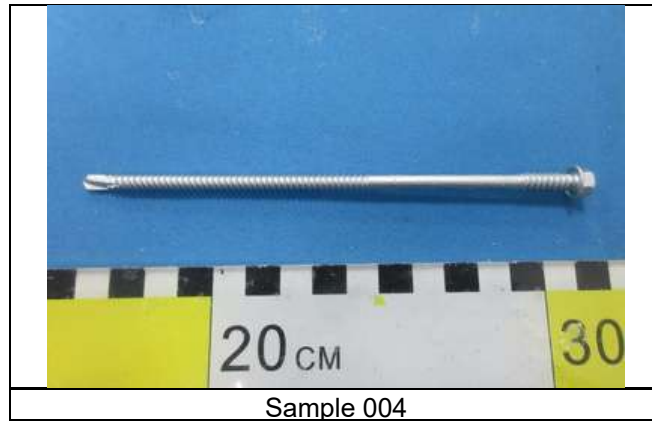
Page: 2 of 3

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Neutral Salt Spray (NSS) Test	ASTM B117-19	See test result	Pass

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Original Sample Photo:



Sample 004

TEST REPORT

No.: NBIN2601000202PL04-1_EN

IssueDate: 2026-01-29

Page: 3 of 3

Test Item: Neutral Salt Spray (NSS) Test

Sample Description: Metal part

Test Method: ASTM B117-19

Test Condition:

Concentration of solution collected: (5±1)% NaCl(m/m)

Chamber temperature: (35±2)

Volume of salt solution collect&Cd: (1.0~2.0)ml/(80cm²·h)

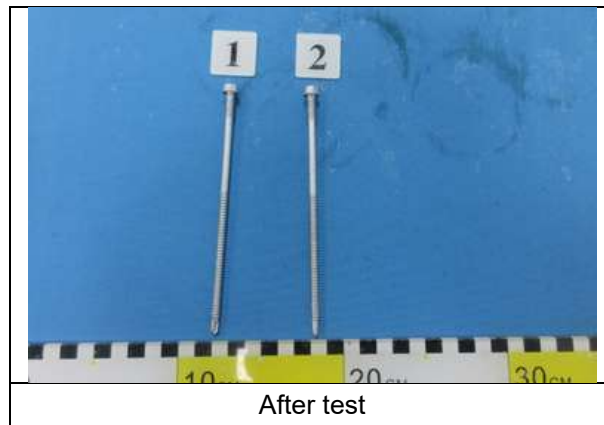
pH of collected solution at (23±3)°C: 6.5~7.2

Exposure period: 48h

Test Result:

Test Item	Sample	Appearance	Client's requirement	Conclusion
Neutral Salt Spray (NSS) Test	1#	No visible change.	No red rust	Pass
	2#	No visible change.		Pass

Test Photo:



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Salt Spray Test Chamber	Q-FOG/CCT 1100	NBPL-A019	2025-03-26	2026-03-25

- The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

This test report updates Home page information, supersedes the test report No. NBIN2601000202PL04_EN dated Jan 23rd, 2026, original report will be invalid from today.

*****End of report*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

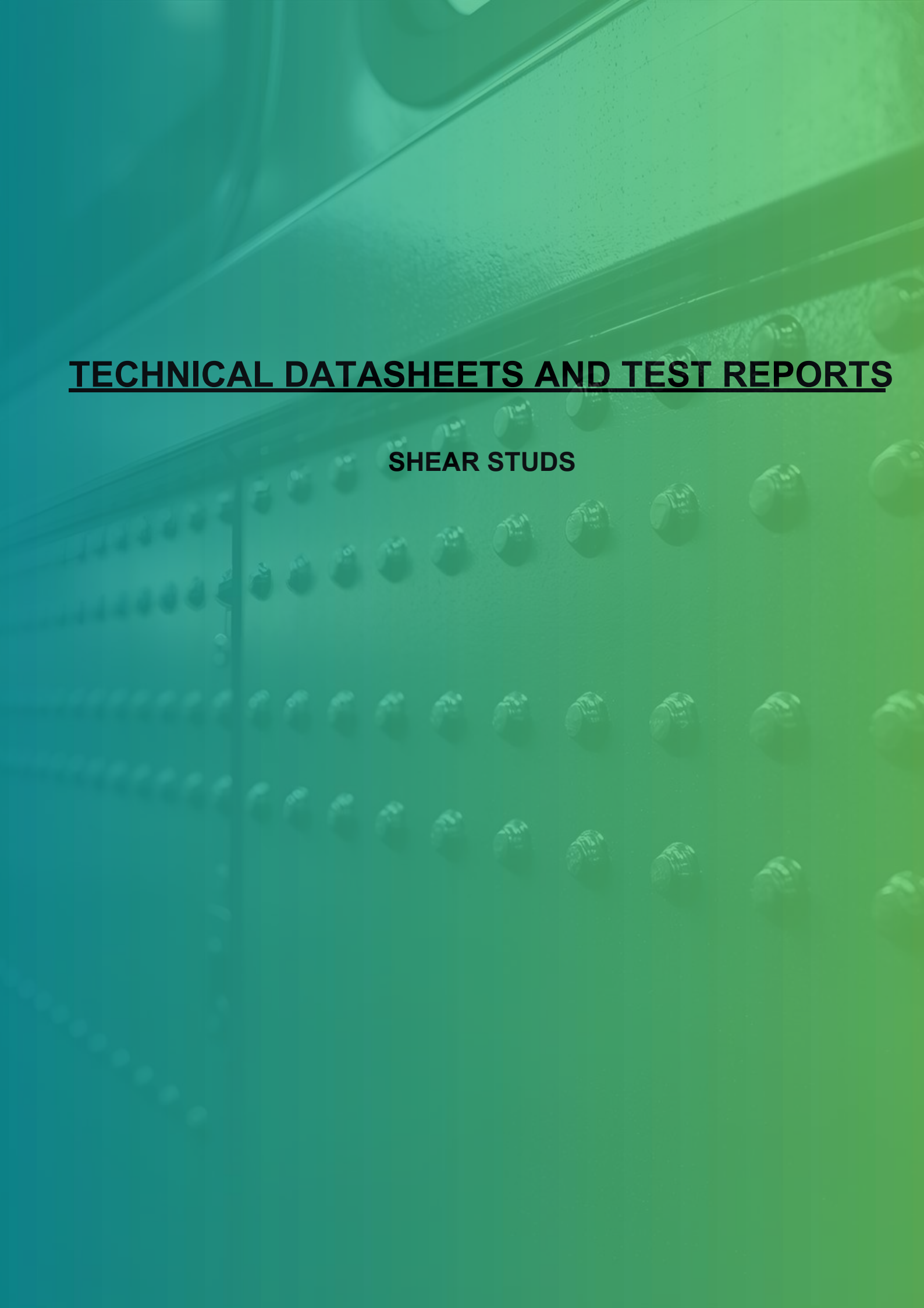
Unit 8 in 1F & Unit 1 in 2F of Building 7, 1F & Unit 1 in 4F of Building 5, Unit 2 in 1F & 2F to 5F of Building 4, Unit 2 in 1F of Building 3, No. 1177, Longyan Road, Hui-Tech Zone, Ningbo, Zhejiang, China. 315040 ML (86-574) 89070283 www.sgs.com.cn
 中国·浙江·宁波高新区凌云路1177号001幢3层4区、009幢4层1区、1区-5层、008幢1层1区-4层区、008幢1层1区-5层区 邮编: 315040 PL (86-574) 89070238 sgs.china@sgs.com



MIS TOOLS BUILDING METAL PRODUCTS TRADING LLC

Bi-Metal SDS CORROSION WARRANTY

ENVIRONMENTAL CONDITIONS	CLASS 3 (1000HRS) s)	CLASS 4 (1500HRS)
VERY SEVERE MARINE (ISO 9223 CATEGORY 5) Up to 400m from the ocean, but outside the ocean spray zone.	NOT RECOMMENDED	NOT RECOMMENDED
SEVERE MARINE (ISO 9223 CATEGORY 4) Between 400m and 1km from the ocean or within 150m from a salt water inlet or creek.	NOTRECOMMENDED	10 years
MILD & MODERATE MARINE (ISO 9223 CATEGORY 3) Between 1km and 50km from the ocean, or from 150m to 1km from a salt water inlet or creek.	10 years	15 years
SEVERE INDUSTRIAL (ISO 9223 CATEGORY 4) Within 2km of an industrial plant, sewerage treatment or airport.	NOT RECOMMENDED	15 years
INDUSTRIAL (ISO 9223 CATEGORY 3) Between 2km and 10km from an industrial plant, sewerage treatment or airport.	20 years	25 years
LIGHT INDUSTRIAL URBAN (ISO 9223 CATEGORY 2) All other regions not defined above.	30 years	40 years



TECHNICAL DATASHEETS AND TEST REPORTS

SHEAR STUDS

TECHNICAL DATASHEET

SHEAR STUDS/CONNECTORS

1. APPLICATION

STRUCTURAL CONNECTION BETWEEN STEEL BEAMS AND CONCRETE SLABS IN COMPOSITE CONSTRUCTION, INCLUDING:

- COMPOSITE BEAMS IN BUILDING CONSTRUCTION
- BRIDGE DECKS
- INDUSTRIAL FLOORS AND PARKING STRUCTURES
- SHEAR WALLS AND SEISMIC SYSTEMS

2. STANDARDS COMPLIANCE

STANDARD	TITLE / SCOPE
*ST*AANSdTAMr Ad 1S0P8E*C*I	FICATION FOR STEEL BAR, CARBON AND ALLOY, COLD-FINISHED
ASTM A1044	STANDARD SPECIFICATION FOR STEEL STUD ASSEMBLIES FOR SHEAR REINFORCEMENT OF CONCRETE
BS EN ISO 13918	WELDING - STUDS AND CERAMIC FERRULES FOR ARC STUD WELDING
BS 5950-3.1	STRUCTURAL USE OF STEELWORK IN BUILDING - DESIGN IN COMPOSITE CONSTRUCTION
BS EN 1994-1-1	EUROCODE 4: DESIGN OF COMPOSITE STEEL AND CONCRETE STRUCTURES

3. MATERIAL SPECIFICATION

3.1 BASE MATERIAL:

- LOW-CARBON STEEL PER ASTM A108 GRADE 1018/1020 OR EQUIVALENT
- EQUIVALENT TO BS EN 10025 S275 OR S355 GRADES

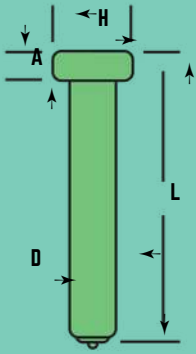
3.2 MECHANICAL PROPERTIES:

PROPERTY	ASTM REQUIREMENTS	BS/EN REQUIREMENTS
YIELD STRENGTH (MIN)	345 MPA (50 KSI)	350 MPA
TENSILE STRENGTH (MIN)	415 MPA (60 KSI)	450-650 MPA
ELONGATION (MIN)	20%	14%
HARDNESS (MAX)	82 HRB	NOT SPECIFIED

3.3 CONDITION: SUPPLIED IN AS-WELDED CONDITION AFTER ARC STUD WELDING



SHEARSTUDS



SHEAR CONNECTOR STUDS ARE DESIGNED TO TIE THE CONCRETE TO THE STEEL BEAMS AND TO RESIST SHEAR LOADINGS BETWEEN THE CONCRETE SLAB AND STEEL BEAM IN COMPOSITE CONSTRUCTION.

LENGTH: LENGTH IS BEFORE WELD. THE SHEAR CONNECTOR STUDS, WHEN WELDED TO BASE METAL WILL BE APPROXIMATELY 5MM SHORTER AFTER WELD AND WHEN WELDED THROUGH DECK 10MM SHORTER AFTER WELD. LENGTHS FOR SHEAR CONNECTOR STUDS ARE GENERALLY SET BY GOVERNING SPECIFICATIONS. ASK A SHEARSTUD LTD REPRESENTATIVE FOR OTHER LENGTHS AVAILABLE FOR SPECIFIC APPLICATIONS. MADE TO ORDER LENGTHS ARE AVAILABLE UPON REQUEST.

SPECIFICATION	DIAMETER	LENGTH	STRAIGHT TO STEEL LENGTH AFTER WELD	THRU DECK LENGTH AFTER WELD	A	H	FERRULE TYPE
BS EN ISO 13918	13 MM	80 MM	75 MM		8 MM	25 MM	STRAIGHT TO STEEL
		105 MM	100 MM		8 MM	25 MM	
		130 MM	125 MM		8 MM	25 MM	
		155 MM	150 MM		8 MM	25 MM	
		180 MM	175 MM		8 MM	25 MM	
		205 MM	200 MM		8 MM	25 MM	
		80 MM			8 MM	32 MM	
BS EN ISO 13918	16 MM	105 MM	75 MM		8 MM	32 MM	STRAIGHT TO STEEL
		130 MM	100 MM		8 MM	32 MM	
		155 MM	125 MM		8 MM	32 MM	
		180 MM	150 MM		8 MM	32 MM	
		205 MM	175 MM		8 MM	32 MM	
		200 MM					
BS 5400 6 BS EN ISO 13918	19 MM	80 MM	75 MM	70 MM	10 MM	32 MM	THRU DECK OR STRAIGHT TO STEEL
		105 MM	100 MM	95 MM	10 MM	32 MM	
		130 MM	125 MM	120 MM	10 MM	32 MM	
		155 MM	150 MM	145 MM	10 MM	32 MM	
		180 MM	175 MM	170 MM	10 MM	32 MM	
		205 MM	200 MM	195 MM	10 MM	32 MM	
BS 5400 6 BS EN ISO 13918	22 MM	105 MM	100 MM		10 MM	35 MM	STRAIGHT TO STEEL
		130 MM	125 MM		10 MM	35 MM	
		155 MM	150 MM		10 MM	35 MM	
		180 MM	175 MM		10 MM	35 MM	
		205 MM	200 MM		10 MM	35 MM	
BS 5400 6 BS EN ISO 13918	25 MM	105 MM	100 MM		13 MM	41 MM	STRAIGHT TO STEEL
		130 MM	125 MM		13 MM	41 MM	
		155 MM	150 MM		13 MM	41 MM	
		180 MM	175 MM		13 MM	41 MM	
		205 MM	200 MM		13 MM	41 MM	
TENSILE TEST BS EN 10002-1:2001 SPECIFICATION		YIELD STRENGTH MIN 350		TENSILE STRENGTH MIN 450		ELONGATION MIN 15%	
BS EN ISO 13918:1998 SPECIFICATION		385		495		15%	
BS 5400							

ALL VALUES ARE DESIGN AND INDICATIVE ONLY



HONSEL

W139B, DUBAI MARITIME CITY, DUBAI, UAE
TEL: +971585635360, +971504574726
SALES@MIS-EQPT.COM, GLOBALSALES@MIS-EQPT.COM

DUSS

5. MECHANICAL PERFORMANCE

5.1 DESIGN SHEAR RESISTANCE:

- CALCULATED ACCORDING TO BS 5950-3.1 OR EN 1994-1-1
- GOVERNED BY EITHER STUD STRENGTH OR CONCRETE STRENGTH (WHICHEVER IS LOWER)

5.2 CHARACTERISTIC RESISTANCE (PRD):

- FOR SOLID SLABS: $P_{RD} = \min[0.8F_u(\pi D^2/4)/\gamma_v, 0.29\alpha D^2\sqrt{f_{ck}E_{cm}}/\gamma_v]$
- WHERE:
- F_u = ULTIMATE TENSILE STRENGTH OF STUD
- f_{ck} = CHARACTERISTIC CONCRETE STRENGTH
- γ_v = PARTIAL SAFETY FACTOR (TYPICALLY 1.25)
- α = FACTOR FOR STUD HEIGHT/DIAMETER RATIO

5.3 TYPICAL DESIGN CAPACITIES (FOR C30/37 CONCRETE):

STUD DIAMETER	APPROX. DESIGN SHEAR CAPACITY
---------------	-------------------------------

13 MM	50-60 KN
16 MM	80-95 KN
19 MM	115-135 KN
22 MM	155-180 KN
25 MM	200-235 KN

NOTE: VALUES ARE INDICATIVE - ACTUAL CAPACITIES DEPEND ON CONCRETE GRADE AND STUD HEIGHT

8.1 MATERIAL CERTIFICATION: **

- MILL CERTIFICATES PER ASTM A108 OR BS EN 10025
- CHEMICAL COMPOSITION REPORT
- MECHANICAL PROPERTIES CERTIFICATE

8.2 PRODUCTION TESTING (PER BATCH):**



TECHNICAL DATASHEET: CERAMIC FERRULES FOR SHEAR STUDS

PRODUCT: SINGLE-USE CERAMIC FERRULES FOR DRAWN ARC STUD WELDING OF SHEAR CONNECTORS.

FUNCTION: CONTAIN MOLTEN METAL, SHAPE WELD FILLET, SHIELD ARC, PROTECT OPERATOR.

STANDARD: ISO 13918 COMPLIANT.

SPECIFICATIONS

STUD DIAMETER	FERRULE CODE HEIGHT (≈)	OD (≈)	MIN. STUD LENGTH*
13 MM (1/2")	CF-13	25 MM 32 MM 75 MM	
16 MM (5/8")	CF-16	28 MM 38 MM 80 MM	
19 MM (3/4")	CF-19	32 MM 44 MM 100 MM	
22 MM (7/8")	CF-22	35 MM 48 MM 100 MM	
25 MM (1")	CF-25	40 MM 55 MM 125 MM	

*FOR PROPER CHUCKING. CONSULT STUD MANUFACTURER.

MATERIAL: REFRACTORY CERAMIC (ALUMINA-SILICATE).

COLOR: TYPICALLY WHITE.

FEATURES: PRE-SCORED BREAK RIDGE, INTERNAL FILLET CAVITY, GAS VENTS.

TEMP. RESISTANCE: >1500°C (SHORT TERM).



MATERIAL TEST REPORT (Page 1 of 2)

Client	M/s, MIS Tools Building Metal Products Trading LLC	Report No.	PHY-100519
Location/Contact	Dubai, UAE	Report Date	03/02/2026
Contract	-	File/Task No.	-
Attention to	Mr. Shadab	Specimen No	75073
Receipt Date.	26/01/2026	Date Tested	03/02/2026

Sample Details

Size	SHEAR STUD M19X105	Grade	ASTM A108 Gr.C1010 -C 1020	Heat No	-
Other Details	-				

Tensile Test

Machine Type	UTM		Serial No	51301002	
Test Method	ASTM A370 Ed:2024a				
Procedure No.	ITI/SOP01/Rev.10			Required	Actual
Dimension, mm	Ø 12.55	Area, mm2	-	123.70	
Yield Load, kN	46.51	Yield Strength, MPa	350min	376	
Ultimate Tensile Load, kN	72.75	Ultimate Tensile Strength, MPa	450min	588	
Initial Gage Length, mm	50.00	Final Gage Length, mm	-	60.25	
% Elongation, 20min	21	% Reduction of Area	50min	58	
Final Diameter, mm	8.10	-	-	-	

Charpy 2mm V-Notch Impact Test -N/A

Test Method			Procedure No	
Machine Type			Serial No	
Dimension, mm			Location	
Orientation			Temperature	
Sample details	Specimen A	Specimen B	Specimen C	Average
Energy Absorbed Joules	-	-	-	-

MATERIAL TEST REPORT (Page 2 of 2)(PHY-100519)							
CHEMICAL ANALYSIS							
Test Method	ASTM E415 Ed:2021				Procedure No	ITI/SOP08/Rev.02	
Machine Type	OES				Serial No	22011846	
Element	C	Si	Mn	P	S	Cu	Al
Wt%	0.192	0.099	0.757	0.013	0.006	0.006	0.033
Requirement %	0.15-0.20	0.10max	0.60-0.90	0.030max	0.035max	-	0.02min
							
Remarks: The Sample tested above meets the requirement of ASTM A108 Gr.C1010-C1020							
Tested By		Authorized By			Witnessed/Client		
Name: Jenifer		Name:					
Designation:		Designation:					
Signature:		Signature:					
							
Date: 03/02/2026		Date: 03/02/2026			Date: 03/02/2026		

F/ITI-LR/12-Issue 02 Rev.01

End of Report

Issue Date: 03/08/2020

This report pertaining to the provided sample tested & shall not be reproduced without prior written permission from ITI Dubai.
This report is invalid without ITI Official Stamp & Signature.

MATERIAL TEST REPORT (Page 1 of 2)

Client	M/s, MIS Tools Building Metal Products Trading LLC	Report No.	PHY-100520
Location/Contact	Dubai, UAE	Report Date	03/02/2026
Contract	-	File/Task No.	-
Attention to	Mr. Shadab	Specimen No	75074
Receipt Date.	26/01/2026	Date Tested	03/02/2026

Sample Details

Size	SHEAR STUD M22X105	Grade	ASTM A108 Gr.C1010 -C 1020	Heat No	-
Other Details	-				

Tensile Test

Machine Type	UTM		Serial No	51301002	
Test Method	ASTM A370 Ed:2024a				
Procedure No.	ITI/SOP01/Rev.10			Required	Actual
Dimension, mm	Ø 12.63	Area, mm2	-	125.28	
Yield Load, kN	43.97	Yield Strength, MPa	350min	351	
Ultimate Tensile Load, kN	66.37	Ultimate Tensile Strength, MPa	450min	530	
Initial Gage Length, mm	50.00	Final Gage Length, mm	-	61.85	
% Elongation, 20min	24	% Reduction of Area	50min	62	
Final Diameter, mm	7.78	-	-	-	

Charpy 2mm V-Notch Impact Test -N/A

Test Method			Procedure No	
Machine Type			Serial No	
Dimension, mm			Location	
Orientation			Temperature	
Sample details	Specimen A	Specimen B	Specimen C	Average
Energy Absorbed Joules	-	-	-	-

MATERIAL TEST REPORT (Page 2of 2)(PHY-100520)

CHEMICAL ANALYSIS

Test Method	ASTM E415 Ed:2021				Procedure No	ITI/SOP08/Rev.02	
Machine Type	OES				Serial No	22011846	
Element	C	Si	Mn	P	S	Cu	Al
Wt%	0.170	0.091	0.713	0.016	0.005	0.012	0.031
Requirement %	0.15-0.20	0.10max	0.60-0.90	0.030max	0.035max	-	0.02min

Remarks:The Sample tested above meets the requirement of ASTM A108 Gr.C1010-C1020

Tested By	Authorized By	Witnessed/Client
Name: Jenifer	Name:	
Designation:	Designation:	
Signature: 	Signature: 	
Date: 03/02/2026	Date: 03/02/2026	Date: 03/02/2026

F/ITI-LR/12-Issue 02 Rev.01

End of Report

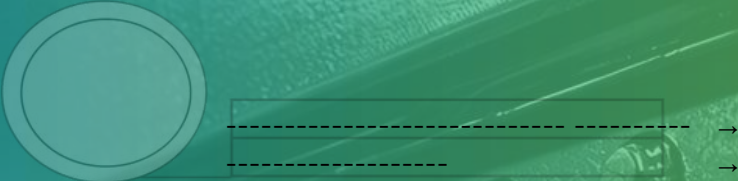
Issue Date: 03/08/2020

This report pertaining to the provided sample tested & shall not be reproduced without prior written permission from ITI Dubai.
This report is invalid without ITI Official Stamp & Signature.

TECHNICAL DATASHEET

BUTYL SEALANT TAPE

Technical Data Sheet

Item	MISBUTYL239519	Product Name	Sealed butyl tape
CONSTRUCTION	 → Rubber Release paper →		
Performance	Unit	standard of tolerance	REMARK
Thickness	mm	2.3	GB/T 7125-2014
density	g/cm3	1.7±0.05	GB/T 533-2008
Penetration Index (1/10mm)	1/10mm	60±8	GB/T 269—1991
Elongation	%	450	ASTM D412-16
Clarity Humidity cycl	g/m224h	0.278	GB/T 12952-91
Peeling Force	N/CM	7	JC/T 942-2022
Tensile Strength	kpa	70	JC/T 942-2022
Dynamic Shear	N/mm (250mm/min)	≥12	GB/T 7124-2008
Water Solubility	%	0	Insoluble in water
Heat Resistance	160±2℃, 168h	NO FLOWING AND NO CRACKLING	JC/T 942-
Low temperature flexibility	-40℃, 72h	No-crackle ON SURFACE	2022 JC/T
Shelf Life	24 months in ambient conditions. 942-2022		
Test temperature :23℃ Test humidity: 60%RH			
The above test data are the measured values under specific conditions, which are reference only and are not used as the basis for quality assurance. Please ensure product suitability for your use case.			

TRADE LICENSE AND DOCUMENTS



Certificate of Registration



This is to certify that the Quality Management System of

MIS TOOLS BUILDING METAL PRODUCTS TRADING L.L.C

Unit 139 A & B Dubai Maritime City, Dubai, United Arab Emirates, P.O. Box-52421

is in accordance with the requirements of the following standard

ISO 9001:2015

(Quality Management System)

SCOPE

Trading of Building Metal Products, Pipes & Fittings, Steel and Basic Steel Products, Bolts, Nuts, Screws, Nails, Non-Ferrous Metal, Building Hardware & Tools

(IAF Code: 29)

Certificate Number : 040225019731

Initial Registration Date : 20-Nov-2023

Current Certificate Date : 04-Feb-2025

2nd Surveillance Date : 20-Oct-2025

Certificate Expiry Date : 19-Nov-2026

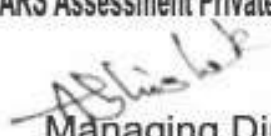
To verify certificate, visit at :

www.arscert.com

www.uafaccreditation.org

www.iafcertsearch.org

Issued by ARS Assessment Private Limited


Managing Director



CB-MS-3923



ENGINEERING YOUR CONNECTIONS



UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America

This certificate remains the property of ARS and must be returned to ARS on Cancellation or Suspension of the certificate. Validity of the certificate is subject to successful completion of surveillance audits. Further clarification regarding the scope of this certificate and the applicability of standard may be obtained by consulting the Organisation on info@arscert.com



Our Presence

PHONE

Tel : +971 4 576 2560,
Mob : +971 58 563 5360/
+971 504574726
+971587991868

MAIL

sates@mis-eqpt.com
globalsales@mis-eqpt.com
uaesales@mis-eqpt.com

WEBSITE

www.mis-eqpt.com

ADDRESS

Unit 139A & B Dubai Maritime City,
P.O. Box 52421, Dubai - U.A.E



GROUP OF COMPANIES

Marine & Industrial Solutions LLC: Unit 139A & B Dubai Maritime City, P.O. Box 52421, Dubai - U.A.E

Liverpool, Oil & Gas Fields Equip. Manufacturing LLC, Sharjah UAE