



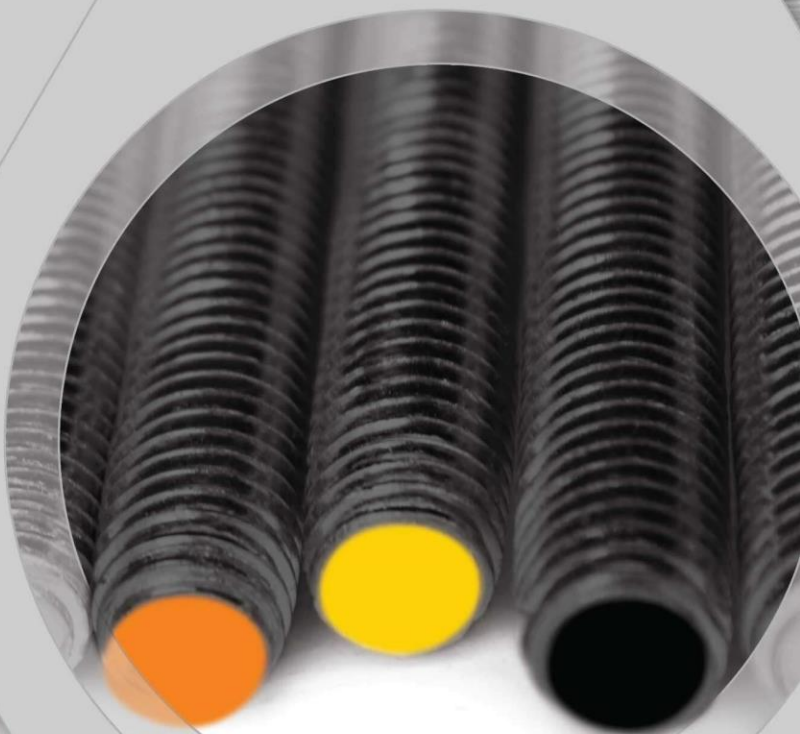
AB



**ASIA  
BOLTS**  
INDUSTRIES L.L.C.

Stud Bolts, Anchor Bolts, Hex & Heavy Hex Bolts,  
Threaded Bars, Nuts, Washers, U Bolts  
and Special Fasteners Components

أسيا لصناعة  
البراغي ذ.م.م-





# ASIA BOLTS INDUSTRIES L.L.C.

أسيا لصناعة البراغي ذ.م.م.

**Asia Bolts Industries L.L.C.** is one of the largest fastener manufacturer and a supplier of allied products in the Middle East. We at Asia Bolts Industries L.L.C. are producing industrial fasteners of different grades and types according to the highest quality standards and in compliance with the International standards by giving special attention to the integrity of materials.

## Our Aim

1. To provide components of impeccable standards by controlling all aspects of procurement, metallurgy, production, quality and supply.
2. To consistently offer quality service in all aspects to ensure that our client requirements are met from materials available from our stocks.
3. To produce components meeting, and exceeding, the very highest specifications for our clients who demand perfection.

Today we are not only the approved and preferred vendor of all the regional Oil and Gas companies but also supplying fasteners to the global Oil and Gas companies and we pledge to continuously support them for their new projects around the World.

## Product Line

Alloy Steel Studs, "U" Bolts, Anchor Bolts, Hexagonal Head Bolts, Nuts and Special Fastener Components manufactured to the following standards and also to the individual customer requirements. **ASTM, BS, DIN, AFNOR, UNI, ISO, EN, ASME**





## Materials

ASTM A193 ————— For high temperature applications.  
A320 ————— For low temperature applications.  
A453 ————— For high temperature applications.  
A540 ————— For special applications.  
A564 ——— For limited temperature applications.  
And high corrosion resistance.  
ASTM A194 ————— For Nuts.  
ASTM F3125 ----- For Structural application  
(A325, A490)

## Sizes

1/4 " UNC - 6 " 8UN  
M06- M100 ISO Metric Coarse.

## Pitch

UNC, 8UN, UNF, BSW, ISO, GAS, API,  
BSPT, ACME and other client  
specified requirements.

## Rolling Dies

Asia Bolts Industries L.L.C. holds a vast stock of Thread Rolling Dies  
to allowing items to be produced, to the tightest of tolerances,  
rapidly to meet our client demands.







## Cutting and Chamfering

To meet client demands Asia Bolts Industries L.L.C. crop, stamp, chamfer then thread roll smaller diameter items both for stocking and individual client requirements. Larger diameters are thread rolled in bar form then cut to size on fully computerized band saws machine, stamped and chamfered.



## Forging and Cold Drawing

Headed and specially formed items are manufactured on our in-house range of Hot Forging machinery. Specialized tooling and dies are produced in our own machine shops. A range of cold drawn items are also available.



**AB**



## Engineering

Threading of individual components is a highly skilled and complex operation requiring constant strict controls throughout the whole process. The main methods of thread forming are

- Removal of Material
- Thread Cutting using Chaser Dies
- Screw Cutting on Centre Lathes
- Grinding
- Milling

By Plastic Deformation Threads Rolling

## Thread Rolling

By this method the component to be rolled is machined to the Pitch Diameter within very close tolerances. The component is then cold rolled forming the required thread configuration by Plastic Deformation.

Material with an Elongation in excess of 8% may be threaded by this method. Thread Rolling has the following advantages over Removal of Material.

- Greater tensile and shear strength with a higher wear resistance.
- Higher accuracy of pitch.
- Bright surface finish.
- Higher resistance to jamming during assembly and thread fatigue.

## Raw Material Verification

All the incoming raw materials, and semi finished items are thoroughly checked for dimensional and physical accuracy. Apart from the mechanical checking we also confirm the integrity of the steel by checking the chemical properties of the steel in our state of the art in house laboratory. The Mill certification is then verified for conformity to the relevant standards. Our stringent inspection process gives our clients even greater peace of mind in regards to the integrity of the materials supplied by Asia Bolts Industries L.L.C.

## In House Inspection

Regular thorough inspection is carried out on all items during the production process to ensure that all necessary standards are rigorously adhered to and product is strictly in compliance to the standard against which it is manufactured and supplied.

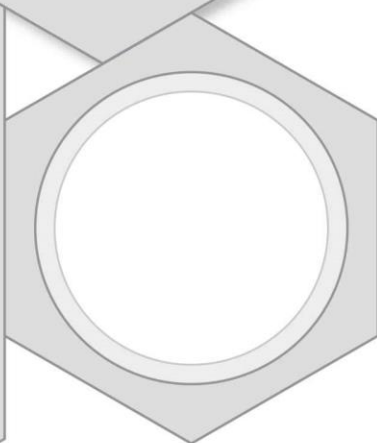
## Inspection Instrumentation and Gauges

All instrumentation and gauges used in our inspection procedures are regularly checked and calibrated by an independent, accredited, authority.

## Test Certification

Asia Bolts Industries L.L.C. have a state of the art in house Test Facility where material verification is carried out and the results logged on our fully computerized data bank to allow immediate and accurate issuance of full chemical and physical test certification. Our valuable Clients may request additional testing and are welcome to witness such testing in our facility.



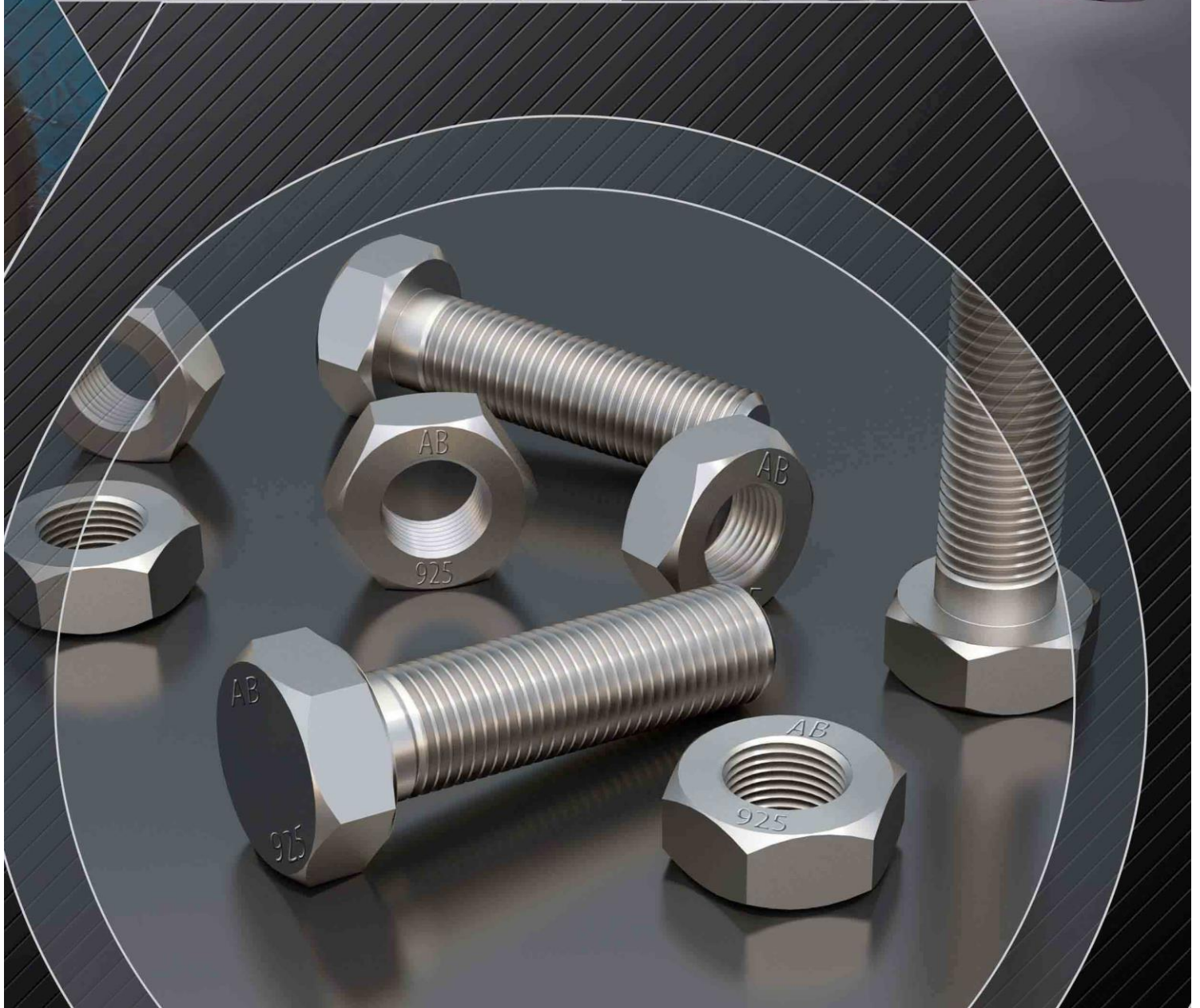
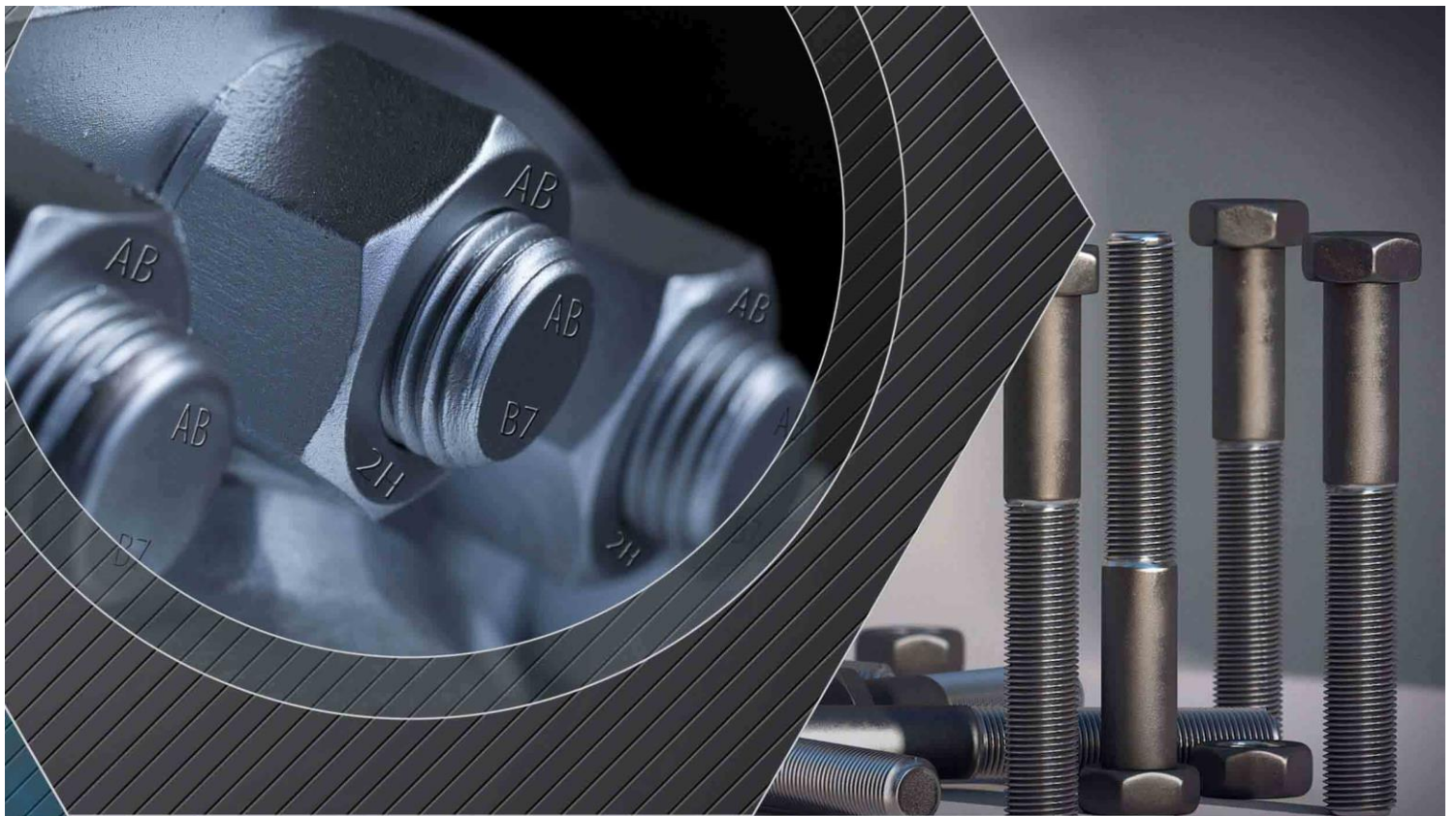






Stud Bolts, Anchor Bolts, Hex & Heavy Hex Bolts,  
Threaded Bars, Nuts, Washers, U Bolts  
and Special Fasteners Components







## Our Products

Threaded Bars: 1/4" UNC to 6" 8UN, M06© to M100© Diameters. DIN 975/976.

Nuts: 1/4" UNC to 6" 8UN, M06© to M100© Diameters.

Heavy Hex Nut ASME B18.2.2 / ASME B18.2.4.6M

Hex Nut-DIN 934, ISO 4032, BS 3692

Stud bolts. ASME B16.5, ASME B16.47, ASME B18.2.1

Engineering Studs. DIN2510L, ASME B18.31.2, ASME B18.31.1M.

Anchors Bolts. As per Customer's specifications

"U" Bolts. Light and Heavy Pattern BS 3974.

"J" Bolts. As per Customer's specifications

Bolts & Screw(Hex,Heavy, Square, T Bolts, Shoulder Bolts)

BS1768/9, DIN931/933, ASME B18.2.1, ASME B18.2.6M, ISO 4014/4017

(METRIC AND IMPERIAL).

Socket Head Cap Screws. DIN912, ANSI B18.3.

Lock Nuts. Self Locking Type.

Jam Nuts. DIN 439, ISO 4035.

Washers. ASTM F436, ASTM F436M, ASTM F959

BS 3410, BS 4320, DIN 125, DIN 127, DIN 434, ISO 7089, ISO 7091 etc.

Clamps-As per Customer Specification

Special Forgings as per Customer Specification







## Threads

UNC  
8UN  
UNF  
WITH WORTH  
METRIC COARSE  
METRIC FINE  
ACME  
TRAPEZOIDAL

## Coatings

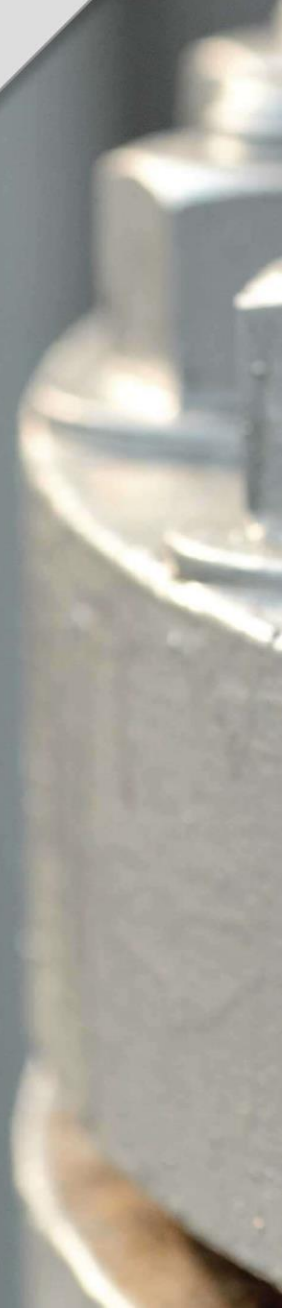
ASTM F1941 & ASTM F1941M  
ELECTRO ZINC: ASTM B633,  
PHOSPHATE : ASTM F1137,  
ZINC NICKEL :ASTM B841,  
HOT DIP GALVANIZING: ASTM A153 CL. C,  
ASTM F2329 ,ISO 1461,  
MECHANICAL GALVANIZING : ASTM B695  
CERAMIC COATING, TECTYL COATING  
P.T.F.E.,CHROME, ENP.  
ZINC FLAKES COATING, ZIN/ALUMINUM  
TIN,,NICKEL  
CLIENT SPECIFIC REQUIREMENTS.



## Our Markets

Asia Bolts Industries L.L.C. supplies various types of fasteners to a wide variety of sectors including:

- Petrochemical Installations
- Oil Refineries
- Oil Rigs
- Gas Processing Pipe Lines
- Power Generation & Distribution
- Chemical Installations
- Desalination Plants
- Engineering & Construction Companies
- Civil Contractors
- Fertilizer Plants
- Fabricators, both Onshore and Offshore
- Heavy Plant and Machinery Manufacturers
- Dairies
- Industries requiring precision, high integrity Fasteners components











## Material Grades

Carbon & Alloy Steels	Stainless Steel	Super (Nickel) Alloys & Duplex Steels	Non Ferrous
Mild Steel	303 / 304 / 304L	Monel <sup>TM</sup> 400	Aluminium Bronze
EN8, EN16	(18-8 / A2)	Monel <sup>TM</sup> K 500	Aluminium Silicon Bronze
EN19, EN24, EN26	316/316L(16-10/A4)	Inconel <sup>TM</sup>	Phosphor Bronze
B5, B6	A2 / A2L & A4 / A4L	600/601/625/718	Manganese Bronze
B7 & B7M	50/70/80	Incolony <sup>TM</sup>	Brass
Gr.36/55/105, Gr.90	321/310/347	800/800HT/825/925	Naval Brass
S275, S355, S235	422	Hastelloy <sup>TM</sup>	Copper
Gr.50A/B/C	410/416/420/431	B2/C41C22/C276	Cupro Nickel 70/30
ST37-2,ST47-3, ST52-3	B8/B8M/B8T	Ferrallium <sup>TM</sup> 255	Cupro Nickel 90/10
L7, L43, L7M	B8X/B8MX/B8TX	( UNS S32550 )	Hiduron <sup>TM</sup> 191
BS 4882 B16A	B8/B8M/B8T -	UNS S32760 /50	Marinel <sup>TM</sup>
DUREHETE <sup>TM</sup>	Class 2	Zeron <sup>TM</sup> 100	Aluminium
900/950/1055	B8C	254SMO <sup>TM</sup>	Plastic
JETHETE <sup>TM</sup> X19	B6	UNS S31254	Nylon
42CrMo, 24CrMo5	C3 - 80	UNS S31803	PTFE
14NiCr18, 51CrV4	17-4 PH	A453 660 A, B, C & D	
21CrMoV57	FV520B <sup>TM</sup>	NIMONIC <sup>TM</sup>	
20CrMoVTiB4-10	Nitronic <sup>TM</sup> 50/60	75/80A/90	
Gr.8.8 /10.9/12.9	904L	Titanium Alloys	
16MnCr5		Carpenter 20 <sup>TM</sup>	
15NiCr13		Tantalum <sup>TM</sup>	





## QMS,EMS & OHSAS

Asia Bolts Industries L.L.C. is accredited to  
**ISO 9001 : 2015, ISO 14001 : 2015 & OHSAS 18001: 2007**

Asia Bolts Industries L.L.C. is among one of the few fastener manufacturing company having a complete state of the art testing facility which is not only covering the mechanical testing aspect of fasteners but also for the chemical testing as well.

We are committed to producing components of the highest possible quality. This is achieved through the rigorous checks performed by our dedicated and experienced Quality Control Department in line with the procedures laid down in our Quality and Procedures Manual. Only products which have passed all the relevant quality checks are marked with our "AB" identification symbol.

The professionalism and competence of our highly qualified staff guarantees the conformity of all our components to the required specifications.





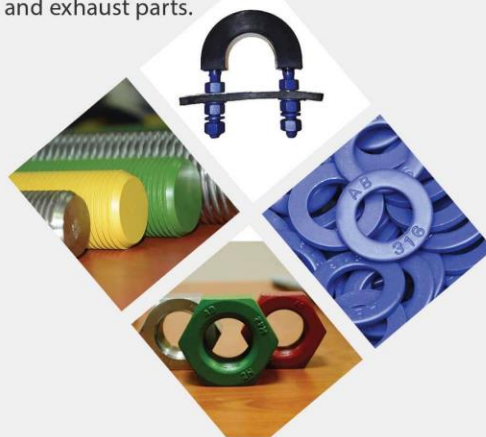
## Material Finishes PTFE (Fluoropolymer Coating) - Whitford Worldwide

- Xylan 1010 General purpose coating for dry lubrication in high-speed and/or low-temperature environments. Typical applications: include rotary actuators, bearings, carburettors & garden tools.
- Xylan 1014 Improve abrasion resistance over Xylan 1010. Typical applications: hinge pins, piston casings, compressors, fasteners, etc.
- Xylan 1052 Extreme pressure capability. Coating contains MoS<sub>2</sub>/PTFE. Typical applications: bearings, valve springs, sealing rings, etc.
- Xylan 1070 Stud Bolt coating used over phosphate or other pre-treatment to achieve up to 3,000 hrs. salt-spray. Typical application: threaded fasteners
- Xylan 1424 Low-Friction coating with excellent corrosion resistance. Designated for fasteners, piston casings, compressors, etc.
- Xylan 1514 Decorative coating with low friction properties. Good UV and abrasion resistance. Typical applications: cooling fans, light fittings, personal-care products.
- Xylar-1 Aluminium "cermet" coating. Excellent chemical, corrosion and abrasion resistance at extreme temperatures. Ideal for aerospace and marine industry components.
- Xylar-2 As Xylar-1, but higher film builds possible. Typical applications: aerospace and marine industry components, automotive engine and exhaust parts.



*Asia Bolts*

This is to certify that the company listed above has been named a Whitford Recommended Coater due to its consistently high standards in the application of Whitford high-performance coatings.



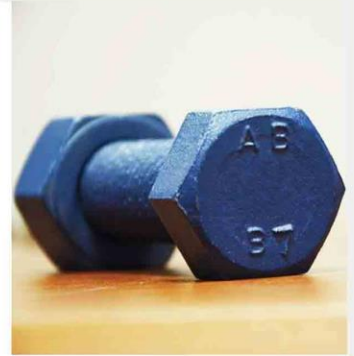
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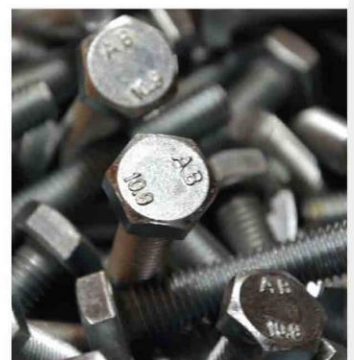
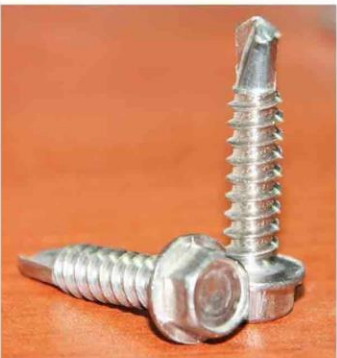
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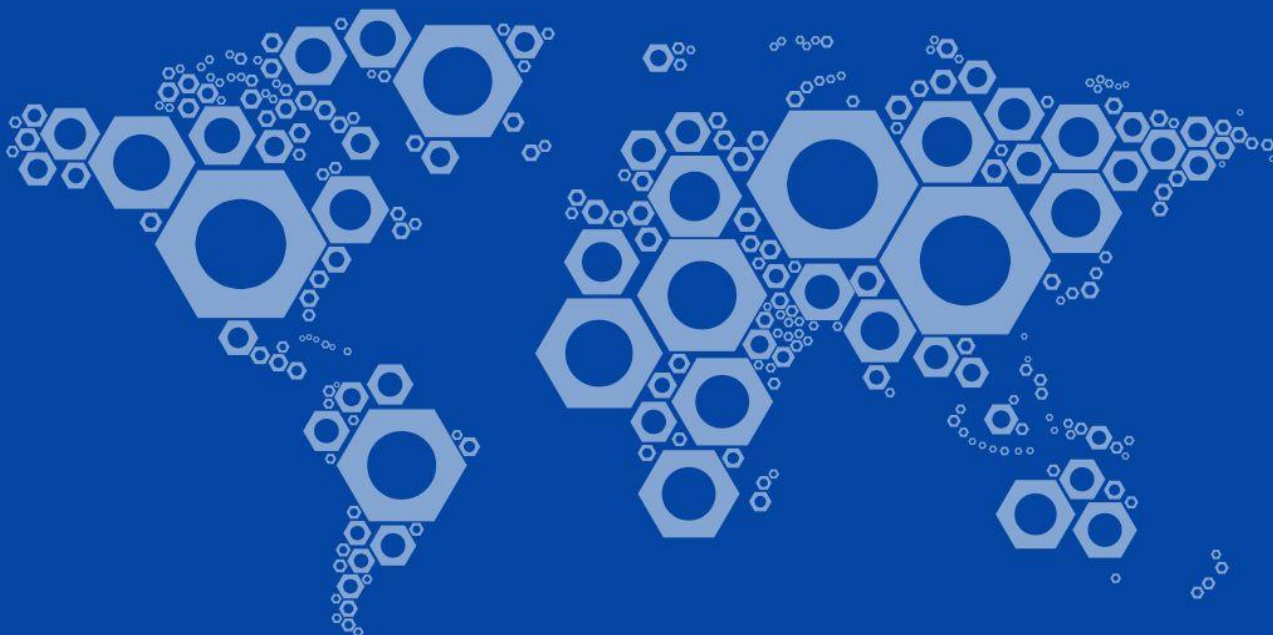
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**Sultante of Oman**

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Website : www.fusco.co.kr

**Kingdom of Saudi Arabia, Dammam  
Metal Fasteners Mfr. Co. LLC**

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Jalawiyah, Dammam 32246, Kingdom of Saudi  
Tel : +966 13 8175905, Fax: +966 13 8175845  
E-mail : info@metal-fasteners.com  
Website : www.metal-fasteners.com

**Branch AL-Khamisain Hardware Trading Co.  
(Fastener World International Co. L.L.C.)**

King Saud Street, Near Toyota Showroom  
AL-Jalawiyah, P.O Box 5541, DAMMAM 31432.  
Tel : +966 13 81757570, +966 13 8175868  
Fax: +966 13 8175735  
E-mail : info@khamisainhardware.com  
Website : www.khamisainhardware.com

**Riyadh Branch**

**Branch AL-Khamisain Hardware Trading Co.  
(Fastener World International Co. L.L.C.)**

Rasheed Raza Road, Near Petromin  
Dist Aziziyah Riyadh 14514.  
Tel/Fax : +966 11 4383557

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**Branch AL-Khamisain Hardware Trading Co.  
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