

SUPERIOR FASTENERS ON EVERY TURN

Innovation Fasteners is a manufacturer and distributor of high-performance precision fasteners and machined components.



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INNOVATION INTRODUCTION

Innovation Fasteners specializes in:

- Manufacturing fully traceable, high integrity special fasteners and machined components
- Manufacturing components to customer specifications and drawings
- Manufacturing, stocking and distribution of ASTM grade studbolts, nuts and fasteners
- Supplying packages of flanges, fittings, gaskets, pipe and fasteners

Key Strengths:

- ✔ Quality
- ✔ Product integrity
- ✔ On-time deliveries
- ✔ Fully integrated ERP system
- ✔ Fast turnaround hot shot service
- ✔ Flexibility
- ✔ International experience
- ✔ Multi-lingual sales and customer service team
- ✔ Single source for Pipe, Fittings, Flanges



Innovation Fasteners are customer orientated and focus on what our customers require in terms of quality, on time delivery, service and competitiveness. Our personnel are highly experienced in supplying special fasteners, machined components and packages into the world's Oil & Gas and power generation markets. Innovation Fasteners fully integrated ERP system ensures full traceability and provides real-time stock control, job scheduling and capacity availability per department. Our multi-lingual team have many years of experience working with ASTM, ASME, API, DIN & ANSI standards.



FASTENER TYPES

Product Type	Dimensional Standards				
HEADED BOLTS & SCREWS	ANSI	B18.2.1			
	ISO	4014	4017		
	IFI	115			
	DIN	931	933		
STUDBOLTS & STUDS	ANSI	B16.5			
	DIN	976	938	939	2510
	ASME	B18.31.2			
	API	6A			
	AWHEM	TAP END			
SOCKET PRODUCTS	ANSI	B18.3			
	ISO	4762			
	DIN	912	913	916	6912
WASHERS	ASME	B18.21.1			
	DIN	125			
	ASTM	F436	126	127	

Thread Forms

UNC	BSP
UNF	BSW
UNJ	NPT
UNS	BSF
8UN	Metric Coarse
ACME	Metric Fine

FASTENER TYPES

HEADED PRODUCTS	STUDBOLT / STUDS	NUTS	WASHERS	INDUSTRY SPECIFIC
Countersunk Screws	Allthread Studbolt	Barrel Nuts	Flat Washers	Anchor Bolts
Flange Bolts	API 6A Stud	Cap Nuts	Shakeproof Washers	Collar Studs
Flask Lid Bolts	AWHEM Stud	Connector Nuts	Spherical Washers	Dowel Pins
Hexagon Head Setscrews	Clamping Stud	Cylinder Cover Nuts	Tab Washers	Grub Screws
Hexagon Plugs	Double End Stud	Flange Nuts	Belleville Washers	Hinge Pins
Round Head Bolts	Fullythreaded Studbolt	Heavy Hexagon Nuts		J Bolts
Socket Head Capscrews	Tap End Stud	Lock Nuts		Riser Stems
Square Head Bolts		Normal Series Nuts		Rotor Bolts
Swing Bolts		Nyloc Nuts		Spindles
T Head Bolts		Ring Nuts		Square / Rectangular Keys
12 Point Bolts		Spherical Nuts		Stems
		Tommy Bar Nuts		Stud Connectors
		12 Point Nuts		U Bolts

ASTM FASTENER MATERIALS

Product Type

Material Grades

BOLT GRADES
(ASTM A193 / A320)

B5	L43
B6	B8 Class 1 & 2
B7	B8M Class 1 & 2
B7M	B8T Class 1 & 2
L7	B8C
L7M	B8R
B16	B8S

NUT GRADES
(ASTM A194)

2H	8
2HM	8A
4	8M
6	8MA
7	8C
7L	8T
7M	8TA

BOLT & NUT GRADES
(ASTM A453, A286, A182, A276)

660 Class A	31803
660 Class B	32760 SA
660 Class C	32760 FG
660 Class D	32760 FLT



SPECIAL FASTENER MATERIALS

Product Type	Material Grades	
ALLOY AND CARBON STEEL	4140	1018
	4142	1020
	4330	1045
	4340	1117
	300M	1144
	ETD150	12L14
	A36	817M40
AUSTENITIC STAINLESS	302	316
	303	316L
	304	321
	304L	347
MARTENSITIC STAINLESS	410	431
	416	440
	422	
INCOLOY	800	825
	800HT	925
INCONEL	600	725
	625	X-750
	718	

Product Type	Material Grades	
DUPLEX / SUPER DUPLEX	2205	F60
	2507	32760
	F51	32750
	F53	31803
	F55	ZERON 100
MONEL	400	K500
HASTELLOY	B2	C276
	C22	
NITRONIC	50	60



MANUFACTURING EQUIPMENT

Innovation Fasteners has extensive in-house manufacturing capabilities.

Range of machinery:

- ✓ CNC Lathes (3 Axis-Live tooling)
- ✓ CNC milling machines
- ✓ Thread rolling
- ✓ Automatic saws
- ✓ Threading machine
- ✓ Single point screw cutting

Manufacturing ranges:

- ✓ CNC Lathes (3 Axis-Live tooling)
- ✓ CNC milling machines



Quality Assurance:

Innovation Fasteners is working fully in accordance with ISO 9001. The Quality Management System ensures quality control is maintained throughout all stages of manufacturing. We pride ourselves on quality controls that ensure products are fully in compliance with our customers' requirements.

Certification Levels:

- ✓ Certificate of conformity
- ✓ 2.1, 2.2 & 3.1 certificates
- ✓ 3.2 Certification (Independent Inspection)
- ✓ Inspection bodies LRQA, ABS, DNV, BV, API

Additional Testing:

- ✓ Dye Penetrant
- ✓ Tensile
- ✓ Charpy V Notch
- ✓ PM
- ✓ Ultrasonic NDT Testing

PACKAGE ITEMS

Innovation Fasteners are also experienced in...

- Packages of Flanges, Fittings, Pipe, Gaskets & Fasteners
- Manufacturing Special Flanges, Fittings, Pipe & Gaskets
- Sourcing Exotic Materials & Hard To Find Pipeline Accessories

Product Type	Types	
FLANGES	Weld Neck Slip On Blind Socket Weld API	Spectacle Spade Paddle Spacer Threaded
BUTT WELD FITTINGS	Butt Weld Elbows Reducers	Forged Tees Caps
FORGED FITTINGS	Elbows Reducers Tees	Bushings Sockets Unions
PIPE	Nominal Bore OD Tube	Heavy Wall Exotic Alloys
GASKETS	Spiral Wound Oval Ring Octagonal Ring	Camprofile PTFE Rubber



PACKAGE ITEMS

Where our products can be used:

We supply fasteners to industries that demand safety & quality critical products

Market	Where Products are used				
OIL & GAS	Actuators BOP's Buoyancy Cable Protectors Christmas Trees	Downhole Tools Flaretips Fluid Ends FPSO's Heat Exchanger	Manifolds Metering System Mooring System Offshore Cranes Offshore Platform	Pipelines Pressure Vessels Processing Production Pumps	Risers Turbos Valves Wellheads Winches
POWER GENERATION	Boilers Compressors	Cooling Towers Heat Exchangers	Pressure Vessels Pumps	Turbines Turbos	Valves Waste Recovery Units
PETROCHEMICAL	Ammonia Plants Bilers Compressors	Cryogenics Desalination Fertiliser Plants	Filters Flanges Heat Exchangers	Hydro Crackers LNG Tanks Metering Systems	Pipelines Pressure Vessels Valves
NUCLEAR	Auto Claves Condensers	Decommissioning Generators	Piping Pumps	Reactors Turbines	Valves Waste Containment
RENEWABLE ENERGY	Bio-Energy	Geothermal	Hydro Electric	Wave Energy	Wind Energy





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