



**VATLIT**  
Industrial Technologies

**QUICK COUPLINGS  
FITTINGS  
INDUSTRIAL TOOLS  
EQUIPMENTS**



**VATLIT INDUSTRIAL TECHNOLOGIES**

***“ Committed To Excellence ”***

## “ COMMITTED TO EXCELLENCE “

**Vatlit Industrial Technologies**, established in the year 2020, provides professional solutions concerning Fluid Conveyance Products as well as industrial Tools & Hydraulic Equipment for various industry, located in Vadodara. Our main products include hose couplings (Camlock coupling, Air hose coupling, Quick Release coupling), firefighting couplings, pipe fittings (stainless steel pipe fittings, malleable iron pipe fittings, flanges, sanitary pipe fittings) and valves ( ball valve, Needle valve, sanitary butterfly valve) and Industrial Productivity Tools & Hydraulic Equipment (Jack, Cylinder, Pump, Pneumatic - tools) and so on.

Our solutions-based approach meets the demanding requirements for a variety of applications spanning multiple markets including Construction, Agriculture, Mining, Automation, Chemical, Pharmaceutical, Off-shore and On-shore Oil & Gas, Pulp & Paper, Plastics, Public Utilities, and many others. We thank you for considering **Vatlit Industrial Technologies** as your supplier of choice, and for our existing customers we appreciate your continued support.

At **Vatlit Industrial Technologies**, we believe that a good supplier contributes to their customers success by offering the highest level of expertise in its own product.

### VISION

“To be recognized globally as the most trusted and approachable solutions provider for the Hydraulic & Pneumatic Products , for various Industries, ensuring the safety of people and the environment at all times. “

### MISSION

“To achieve our vision through partnership with our customers, Vatlit team, sales distribution and supply chain partners by maintaining an environment of trust and High Quality & service development for the benefit of all, by ensuring customer satisfaction, continuous improvement & profitable growth.”

### QUALITY POLICY

“Our Quality Policy is to provide products or services that meet customer expectations, comply with applicable standards, available at competitive prices and yield profit to the company. Effective monitoring and improvement in quality management system.”



### **Camlock Coupling**

A-A-59326 Standard

#### **Application :**

Fertilizers, Chemicals, Petroleum, Paint, Textiles

**Pressure :** Up to 500 PSI

**Material :** Carbon Steel, Stainless Steel, Brass, PP

**Size :** 1/2" to 6"

**End :** NPT, BSP, Flanged, Adaptor type, Reducer Type



### **Air King Universal Couplings / Chicago / Claw Couplings**

DIN 3489 Standard

**Pressure :** 150 PSI

**Material :** Carbon Steel, Stainless Steel

**Size :** 1/4" to 2"

**End :** BSP, NPT, Flanged, Hose Shank type



### **ISO 7241 A & B / Straight Through Bore / Pneumatic / Flat Face Couplings**

#### **Application :**

Industrial Hydraulic Lines, Food Chemical processing, Water and coolant lines, Air compressors, Pneumatic tools, Drop-down air lines, Pharmaceutical, Marine, Rail yards, Injection Molding, Mobile equipment

**Pressure :** Upto 350 BAR

**Material :** Carbon Steel, Stainless Steel, Brass

**Size :** 1/4" to 2"

**Thread :** BSP, NPT, ORB, Metric



**Wing Type Screw Coupling / Wing Type Screw connect BOP Couplings**

**Application :**

Oil field equipment, Dump trailers, Submersible pumps, Construction, Hydraulics Line for BOP

**Pressure :** 170 to 210 BAR

**Material :** Body- Brass, Nut- Steel, Stainless Steel

**Size :** 3/4" to 2"

**Thread :** NPT



**General Purpose Screw Coupling / High Pressure Screw Connect Jack Coupling**

Series ISO 14540 & 14541 Standard

**Application :**

Hydraulics Oil, General Industry, Hydraulics Jack/Tools, Test Equipment, Construction

**Pressure :** 300-1000 BAR

**Material :** Carbon Steel, Stainless Steel

**Size :** 1/4" to 1-1/4"

**Thread :** BSP, NPT

## Quick Couplings



### Trailer Brake Coupling

ISO 5676 Standard

#### Application :

Trailer connections

**Pressure :** 220 BAR

**Material :** Carbon Steel

**Size :** 1/2"

**Thread :** BSP, Metric



### Quick Coupling Accessories

Dust Caps & Plug

**Material :** PVC, Metallic

## Industrial Lifting Equipment



### Chain pulley block (Hoist)

#### Type :

Manual chain Pulley block, Ratchet Lever Hoist

Trolley option: with or without trolley

Spark-Proof & Non Spark Proof

**Capacity :** 0.5 to 50 Tonnes

**Lift :** Standard- 3M / as per requirement

**Application :** Cement, Power, Chemical, Steel, Oil & Gas, Paper, Sugar, Automobile industries



### Electric Chain Hoist

Trolley option: Geared Trolley, Power Trolley, Push Pull Trolley, Hook suspension, Lug suspension Trolley

**Capacity :** 250 kgs to 10 Tonnes

**Application :** Cement, Power, Chemical, Steel, Oil & Gas, Paper, Sugar, Automobile industries



### PU Tube Fittings

**Type :**

Straight, Elbow, Tee, Reducer, Cross

**Material :** Steel, Brass, Stainless Steel

**Size :** 1/4" to 1/2"

**Thread :** BSP, NPT, Metric



### Industrial Hose fittings

We offer High Quality Industrial Hose fittings

**Type :**

King Combination - Threaded, Bevel, Boss type, Ground Joint Couplings, Spud, Bauer Style Couplings, Hose Mender

**Material :** Carbon Steel, Plated Steel, Stainless Steel

**Size :** 1/4" to 4"



### Pipe Fittings

**Application :**

Fertilizers, Chemicals, Petroleum

**Fittings :** Flange, Tee, Elbow, Reducer, Union

**Material :** Steel, Stainless Steel

**Rating :** 150#, 300#, 600#, 3000#, 6000#

**Type :** Threaded, Welded



### Pharmaceutical Sanitary Fittings

We offer a complete line of Hygienic fittings with several connection options

**Type :**

Tri-clover clamps, Ferrule, Elbow, Tee, Cross, SMS Union

**Material :** Stainless Steel

**Size :** Up to 2"

## Fittings



### Instrumentation / Compression Tube Fittings

Double Ferrule Compression Tube Fittings provide leak proof torque free seals at all tubing connections

**Material :** Stainless Steel

**Size :** 1/4" to 1"

**End :** Straight, Elbow, Tee, Union



### Ermeto Type Tube Fittings

We offer single-ferrule Bite Type fitting which provide leak-tight and remarkable connection for process and analytical instrumentation

**Material :** Steel, Stainless Steel

**Size :** 6L to 42L, 6S to 38S

**Type :** Straight, Elbow, Tee, Union



### Grooved end Coupling

Grooved end coupling for piping joint solution

**Size :** 3/4" to 20"

**Type :** Coupling, Tee, Reducer, Elbow

## Pipeline Ancillaries



### VACUUM BREAKER

PVB10 , VB14 & VB21

#### Application:

Steam inlets to heat exchangers, jacketed kettles, liquid process lines, chilled water lines, boiler feed water lines and air coils, to admit air whenever vacuum condition is developed in the system

**Pressure :** 16 to 25 Bar g

**Temp :** 450 °C

**Size :** 1/2" or DN15

**Material :** Stainless Steel, Brass

**Connections :** Screwed (NPT/BSPT/BSP)

## Fittings



### Hammer Union

**Type :**

Threaded, Welded, Hose end

**Series :** 100, 200, 206, 602, 1002, 1502, 2002, 2202

**Size :** 1" to 8"

**Pressure :** Up to 15000 PSI



### Minimesse (Testing) Hose, Couplings, Gauges

**Application :**

For Hydraulic Test system

**Pressure :** Up to 630 BAR

**Hose Size :** 2mm & 4mm

## Hose Protection



### Hose Protection Sleeves

**Type :**

Spring Guard, Fire Sleeve, SS Braiding, Nylon Sleeve, PVC Spiral Sleeve



### Safety Cable whip check, whip socks

When hose, couplings or clamps fail, or there is an accidental separation of the assembly, Safety Cables minimize damage to equipment and injuries to operators

**Size :** 1/2" to 4"

**Type :** Hose to Hose, Hose To Tool. 2 Eyes, 4 Eyes

## Clamps



### Hose Clamp

**Type :**

Worm Drive, Heavy Duty, Double Bolt

**Material :** MS, Stainless Steel

**Size :** 1/4" to 10"



### Hydraulic Tube clamp

Clamps can withstand the shock and vibration that a hydraulic system operating at up to 5,000 psi can deliver

**Size :** 1/4" to 4"

**Material :** PP, PA, SA, AL

## Valve



### Valve

**Application :**

Fertilizers, Chemicals, Petroleums others

**Type :** Ball Valves, Butterfly Valves, Needle Valve

**Material :** Steel, Stainless Steel, Brass

**Pressure :** Up to 10000 PSI

## Fire Hose & Couplings



### Fire (Canvas) Hose & Coupling

This hose can be used for water delivery purpose in Fire-Fighting & Civil Engineering Applications etc, High Quality 63 mm IS:636 Type-A & Type-B Delivery Hose with IS:903 SS, GM or Aluminum Branch Coupling & GI, SS or Copper Wire Binding, Reinforcement High Quality Synthetic Yarn

## Bellows



### SS Metallic Bellow (Expansion Joints)

#### Application :

The Bellow and Expansion Joints are being Manufactured on proven technology used worked wide to meet various application in the industry

**Size :** 1" to 12" inner Dia in circular Bellow

## O-Rings and Seals



### O-Rings and Seal

O-Rings, O-Ring kits, Oil Seal, Hydraulic Seals, V Seals. For Hydraulic and industrial fittings, couplings, equipment

#### Material :

NBR, Viton, Silicon, EPDM, PTFE, Metallic

**Pressure :** Up to 630 BAR

**Temp :** 30 to 260 °C

## Tubing



### Tubing

#### Application :

Fuel line, Compressed Air Line, Automotive Gasoline, Lubricating Oil Line, In the chemical industries for conveying hydrocarbon, Ester, Keton etc

**Material :** Nylon, PU, PVC

**Pressure :** Up to 200 BAR

**Thickness :** 0.5 to 2mm

**Impact and manual sockets**

Standard and deep Lengths, Single Hex or Double Hex sockets, 1/4" Square drive to 2-1/2" square drive, To handle bolt A/F sizes from 6mm to 160mm. Extension sockets, swivel sockets

**Air impact Wrench**

3/8" to 1-1/2" Square drive, Working Torque from 5 to 2700 Nm, Max Torque range from 298 to 3400 Nm

**Air Ratchet**

3/8" to 1/2" Square drive, Working Torque from 5 to 80 Nm

**Air Sanders**

Size 6", Free Speed 10,000 RPM

**Air Drill**

Size 3/8" and 1/2", Free Speed 2800 RPM

**Air Grinders**

Mini and Heavy Die Grinder, Free Speed 26,000 RPM



### Pneumatic Torque Wrench

60 Nm to 11010 Nm,  $\frac{3}{4}$ " to 1-1/2" Square Drive



### Hydraulic Torque Wrench

183 Nm to 48670 Nm,  $\frac{3}{4}$ " to 1-1/2" Square Drive  
Hexagonal Cassette Model is also available for  
Bolt A/F Sizes 19mm to 175mm



### Heavy Duty Torque Multiplier

Manual Torque Multipliers with input drive of  $\frac{1}{2}$ " to  $\frac{3}{4}$ ",  
output drive of  $\frac{3}{4}$ " to 2-1/2" with output torque capacity  
from 1500 Nm to 50000 Nm with Torque ratio 1:4 to  
1:180, with planetary gear box system and a reaction arm



### **Cylinders**

Single Acting Spring Return Cylinder, Double Acting Cylinder, High Tonnage cylinder, Single / Double Acting Hollow Plunger Cylinder

**Capacity :** 5 to 1000 Tons



### **Low Height Cylinder, Pancake Lock NutCylinder**

**Capacity :** 5 to 520 Tons



### **Single Acting Aluminium Cylinder, Double Acting Aluminium Cylinder**

**Capacity :** 20 to 150 Tons



### **Steel Bottle Jack**

**Capacity :** 2 to 200 Tons

**Stroke :** 80 mm to 200 mm



### **Hydraulic Nut Splitter**

Equipped with Single Acting spring return Cylinderst Suitable for Split/Break Hex Nut A/F

**Range :** 13mm to 75mm

**Capacity :** 5 to 90 Tons



### **Hydraulic/Mechanical Flange Spreader**

Adjustable Jaw width from 6mm to 216mm for a wide range of application, Mechanical and Hydraulic. Single Acting, Spring Return Cylinder for trouble free operation

**Capacity :** 5 to 14 Tons



### **Hydraulic Pump**

Hand Pump, Air Hydraulic Foot Pump, Ultra High pressure Hand/Foot Pump

**Capacity :** 700 Bar to 2800 Bar



### **Hydraulic Pullers**

**Capacity :** 5 to 60 Tons

**Reach :** 220mm to 863mm

**Spread :** 60mm to 920mm

## Conversion chart

	Unit	Base unit	Conversion unit	Factor
<b>Length</b>	1 inch	in	mm	25.4
	1 millimetre	mm	in	0.03934
	1 foot	ft	m	0.3048
	1 metre	m	ft	3.28084
<b>Area</b>	1 square inch	sq in	cm <sup>2</sup>	6.4516
	1 square centimetre	cm <sup>2</sup>	sq in	0.1550
<b>Volume</b>	1 gallon (UK)	gal	l	4.54596
	1 litre	l	gal (UK)	0.219976
	1 gallon (US)	gal	l	3.78533
	1 litre	l	gal (US)	0.264177
<b>Weight</b>	1 pound	lb	kg	0.453592
	1 kilogramme	kg	lb	2.204622
<b>Torque</b>	1 pound foot	lb • ft	N • m	1.488164
	1 Newton metre	N • m	lb • ft	0.671969
<b>Pressure</b>	1 pound per square inch	psi	bar	0.06895
	1 bar	bar	psi	14.5035
	1 pound per square inch	psi	MPa	0.006895
	1 mega pascal	MPa	psi	145.035
	1 kilo pascal	kPa	bar	0.01
	1 bar	bar	kPa	100
	1 mega pascal	MPa	bar	10
	1 bar	bar	MPa	0.1
<b>Velocity</b>	1 foot per second	ft / s	m / s	0.3048
	1 metre per second	m / s	ft / s	3.28084
<b>Flow rate</b>	1 gallon per minute (UK)	gal / min.	l / min.	4.54596
	1 litre per minute	l / min.	gal / min. (UK)	0.219976
	1 gallon per minute (US)	gal / min.	l / min.	3.78533
	1 litre per minute	l / min.	gal / min. (US)	0.264178
<b>Temperature</b>	Fahrenheit degree	°F	°C	5/9 • (°F-32)
	Celsius degree	°C	°F	°C • (9/5) +32

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