



YOUR PIPING SOLUTION



www.werkzwise.com

**WERKZWISE
GENERAL TRADING**

AN ISO 9001:2015 CERTIFIED COMPANY

YOUR PIPING SOLUTION

Werkzwise General Trading LLC is a UAE-based trading and supply company specializing in the sourcing and supply of pipes, fittings, flanges, valves, fasteners, gaskets, and other steel products for the Oil & Gas, Petrochemical, Power, Marine, Construction, and Industrial sectors.

We work with qualified manufacturers and reliable supply partners to provide products in Carbon Steel, Stainless Steel, Alloy Steel, and other special materials, according to customer specifications and project requirements.

OUR STRENGTH

Quality Products | Competitive Pricing | Reliable Sourcing | Technical Support | Timely Delivery

Our goal is to build long-term partnerships with Oil & Gas companies, EPC contractors, engineering companies, procurement organizations, distributors, and industrial clients across the UAE and GCC region.

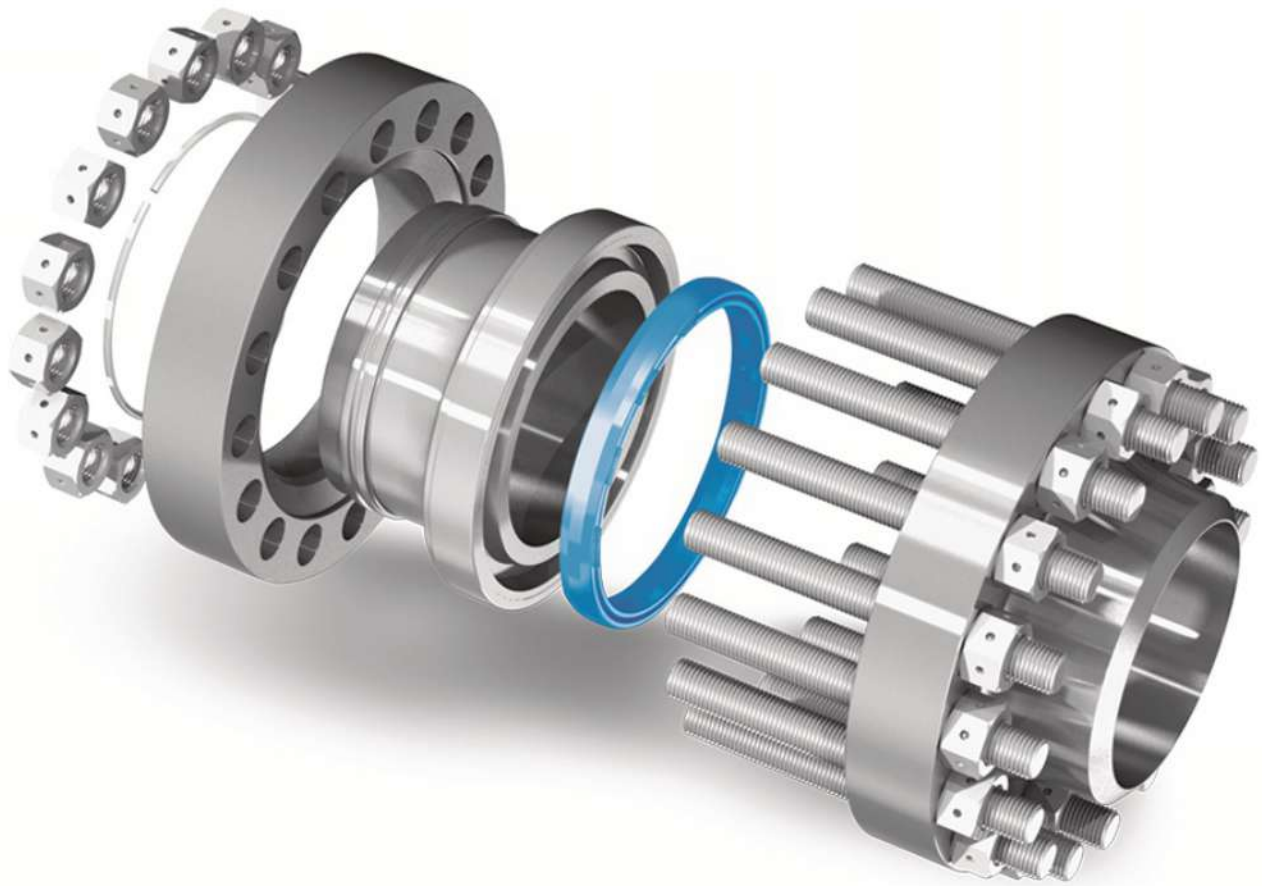
Werkzwise General Trading LLC

Your Reliable Partner for Oil & Gas & Industrial Piping Solutions

These includes:

- Flanges
- Pipes & Tubes
- Valves
- Fasteners
- Pipes Fittings
- Tubes Fittings
- Bars & Rods
- Plates & Sheets





OUR VISION | MISSION | QUALITY

Our vision is to become a globally recognized leader in the metal industry by setting new standards in quality, innovation, and reliability. We aim to create long-term value for our customers, partners, and communities by delivering excellence in every product and service we offer.

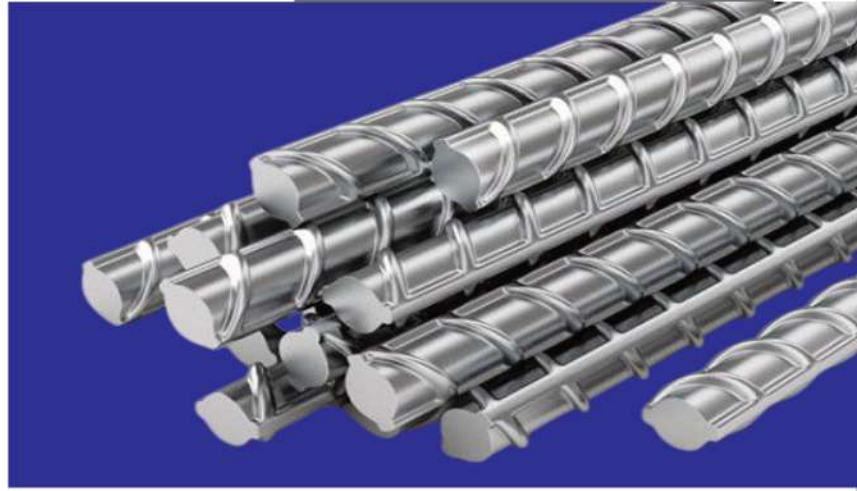
Apart from this, WGT also undertake 3rd party inspection:



Structural Steel Supplies

As a dependable supplier of structural steel, Amplitude Trading supports construction, fabrication, and infrastructure sectors with high-quality steel products. Our offerings include beams, channels, angles, hollow sections, rebars, plates, and custom steel profiles available in various grades and specifications.

Strong Foundations
Start with
Strong Steel





WHY US ?

All of our products satisfies the latest International standards like ASTM / ANSI / DIN / ASME as well as client specified requirements.

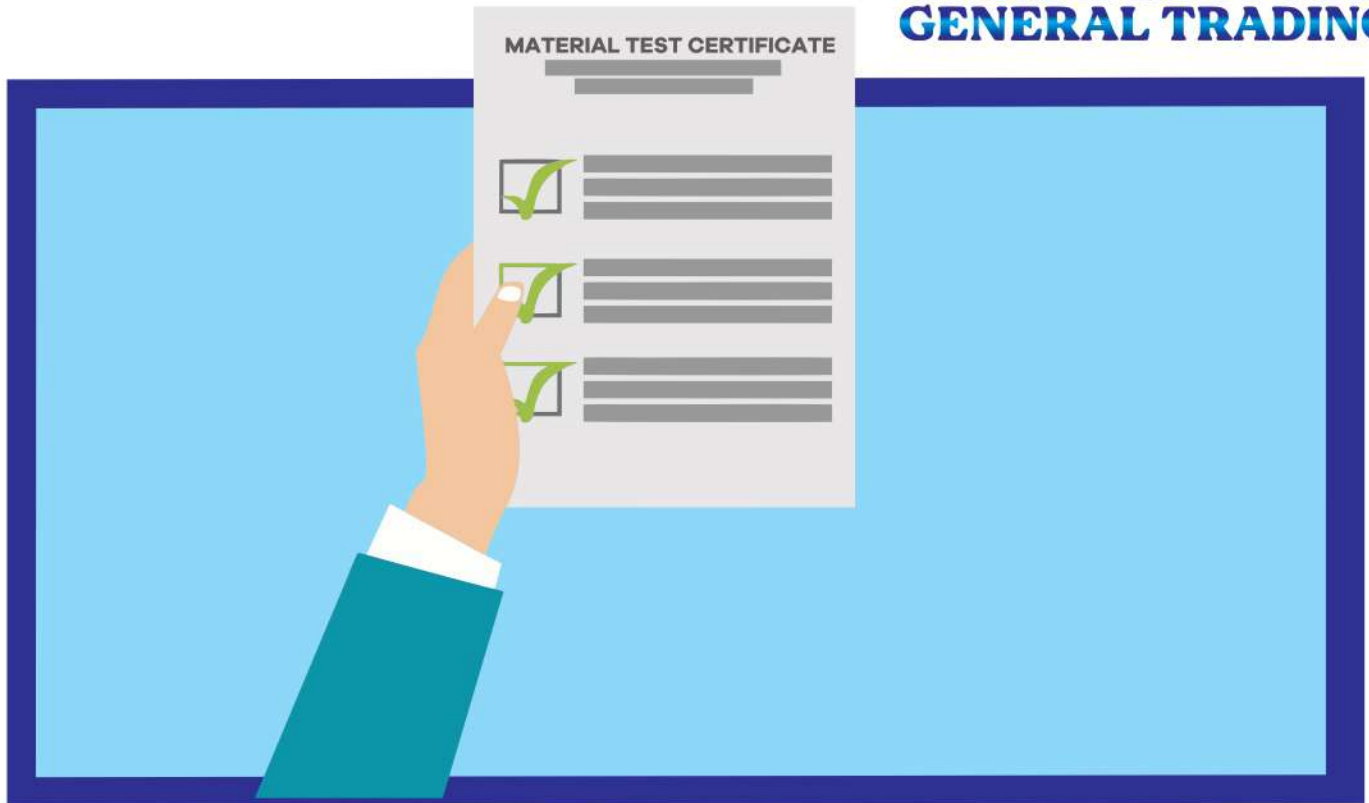
The combination of these products and services has enabled us to be a leading supplier in the world, catering to a broad spectrum of industries such as Oil & Gas, Defense & Research, Mining, Pharmaceuticals, Hydraulics & Pneumatics etc.

Due to our high levels of inventory we are able to cater to both mega projects and contingent requirements of standard size almost immediately for dispatch, WGT stands out with no competition in the manufacturing and supply of Stainless Steel & Carbon Steel. These items have critical applications and no other company can provide the rate & delivery as low as our company with world class quality.

Other material of supply includes

- **ALLOY STEEL**
- **ALLOY 20**
- **ALX6N**
- **INCONEL**
- **MONEL**
- **HASTELLOY**
- **DUPLEX STEEL**
- **SUPER DUPLEX**
- **254 SMO**
- **904L**
- **BRASS**
- **CUPRO NICKEL**
- **COPPER NICKEL**
- **ALUMINIUM**
- **BRONZE**
- **TANTALUM**
- **BERILIUM**
- **COPPER**
- **TITANIUM**
- **TUNGSTEN**
- **NIOBIUM**
- **ZIRCONIUM**
- **HAFNIUM**

A combination of these factors of purchase from our company gives you what we call a WGT-Advantage.



QUALITY ASSURANCE

Our technical research facilities & our product development teams are ready to meet the needs of most demanding customers.

Testing facilities available from Laboratory like:

- CHEMICALS
- MECHANICAL & PHYSICAL
- MICRO & MACRO
- IGC (Pr. A, B, C, D, E) NACE
- ULTRA
- HARDNESS
- IMPACT
- HYDROSTATIC
- FLATTENING
- HEAT TREATMENT
- BEND TEST
- X'RAY
- SPECTRO
- OTHER MISCELLANEOUS TEST

Apart from this, we also undertake 3rd party inspection for our from reputed agencies like LLOYDS, EIL, H&G, TCE, PDIL, Mecons, M.N. Dastur & co., Bax council, DNV Bureau Veritas, DPG, etc.

A flange is designed to connect sections of pipe or tube, or to join the pipe or tube to an assembly such as a pressure vessel, valve or pump. Flanges are joined by bolting with several sealing methods and are fixed to the piping system by threading or welding. A comprehensive range of flanges are manufactured by Werkzwise General Trading in Stainless steel & Carbon Steel, Standard sizes are available in ready stock.

The most common type of flanges include:

- • **Slip On Flange**
- • **Blind Flange**
- • **Raised Neck Flange**
- • **Lapped Flange Table Flange**
- • **Socket weld Flange**



FLANGES

PIPES & TUBES



Pipes are long, hollow tubes that can be used for a number of purposes. They are an integral part of the piping systems. The first methods for producing steel pipe were introduced in the early 1800s, and they have steadily evolved into the modern processes we use today. Pipe systems around the world involve connections which are provided by fittings. Steel pipes are consumed in bulk and provide for onward transmission of liquids and gases. They can be connected to fittings by welding and the structure is supported by connection of flanges

Tubes involve connections which are provided by tube fittings. Tubing is consumed in bulk and provide for onward transmission of liquids and gases. Tubes are designed keeping four aspects in mind. Tubes are designed to have the highest Pressure rating which defines the maximum pressures the tube is designed to withstand. Tubes are also designed to have high vacuum which is the maximum vacuum pressure that can be created in the tube. Tubes are designed on bend radius. The Minimum bend radius is a rating based on the acceptable amount of deformation the tubing cross-section can undergo & finally the most important aspect is the Temperature range, which defines the full range of various temperatures that the tubing is designed to operate within. Tubes can be connected to tube fitting by swaging the ferrule to the nuts and tubes. Pipes & Tubes are available in two types: Seamless and Welded.

Pipe Fittings are connections used to connect two pipes. The connection provides a firm bound to the pipe which ensures mechanical and structural strength to hold the equipment. It also ensures the free flow of liquid in the process. Pipe fittings are either welded to pipes or fitted using thread connections depending on the application and type. Steel Pipe fittings are fittings that connect to pipes in one of two ways, either by threads or by slip fit. Threaded pipes are pipes that screw together to connect, while slip fit pipes use sleeves that slip into one another. The pipe fittings manufactured by us are organized by male and female connectors such as:

- **Male threaded**
- **Female threaded**
- **Male slip fit**
- **Female slip fit**

Pipe Fittings are of various types:

- **Butt Weld Fittings**
- **Socket Weld Fittings**
- **Forged Fittings**
- **Threaded Fittings**



PIPE FITTINGS

TUBE FITTINGS



Tube Fittings is a product that is used to provide a leak free connection between tubes for a seamless flow of liquids and gases. Tube fittings are manufactured to meet even the most volatile and rigorous specifications required by industries and are most commonly used in the oil and gas, pulp & paper, petrochemical/chemical processing, research laboratories, aerospace and defense, chemical processing, power

The 3 common applications are:

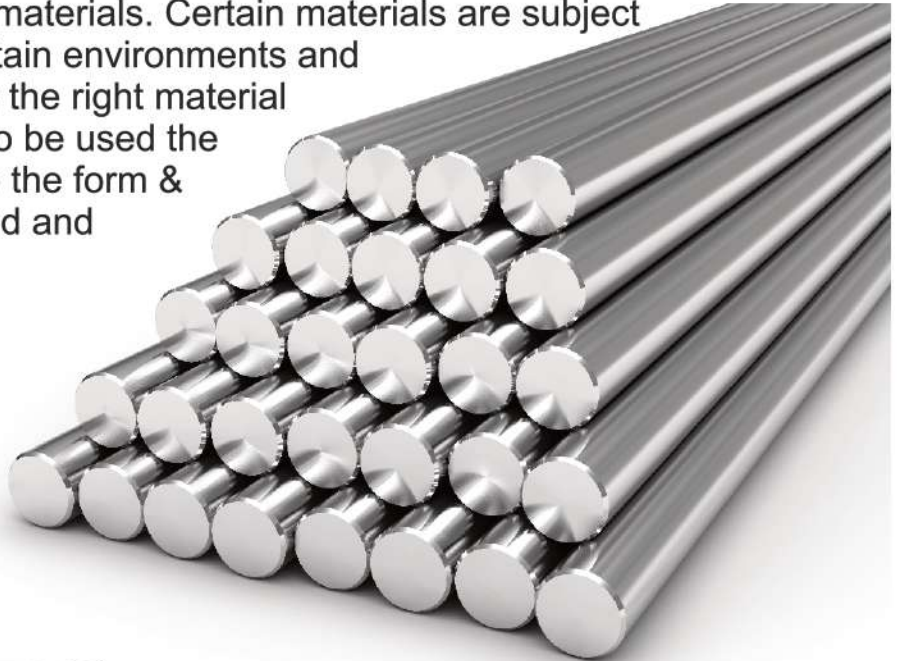
Hydraulic applications: They involve the transfer of liquid fluids such as water and other chemical solvents. They must have seals which prevent the leakage of liquid and often be resistant to rust or other possible chemical corrosion.

Pneumatic applications: They involve the transfer of gases. They must have very tight seals to prevent gas leakage and must be resistant to chemical corrosion.

Other applications: They are applications such as structural design, which also incorporate tube fittings. These fittings must have strong physical integrity, but typically do not require sealing because they do not carry fluids.

Bar are a primary raw material in hard solid form used to manufacture a bundle of different products. This is because it is solid and mechanical properties can easily be altered. Bars can be manufactured in a number of materials. Certain materials are subject to better characteristics in certain environments and therefore it is important to use the right material bar to manufacture products to be used the determined environment. Also the form & shape of the bar can be altered and machined depending on the requirement. Bars come in various shapes such as:

- **Round Bar**
- **Hex Bar**
- **Flat Bar**
- **Square Bar**
- **Welding Wire**



BARS

FASTENERS

Fasteners are connections that are used to connect two parts or process by the use of threading. The thread is incorporated into the appliance or system where it is used. It is generally very industrious and strong and cannot be easily removed unless used with a special device such as screw. In choosing a fastener it is very important to choose a fastener of the right material. Different material fasteners have different advantages and disadvantages. Some may be suitable to certain environments while others may be vulnerable in those environments. It is important to choose the fastener you require according to the environment in which you choose to implement them to avoid the formation of corrosion in the fasteners.

Fasteners are of various types such as:



- **Nuts**
- **Bolts**
- **Washer**
- **Studs**
- **Gaskets**
- **Screws**
- **Clamps**

Valve is a product that is used to provide a leak free connection between tubes and fittings for a seamless flow of liquids and gases. Valves are used in stopping and starting the flow and are also used to reduce or increase a flow and in controlling the direction of flow and regulating its process pressure. Internally it consists of several parts depending on the type and application of the valve. Externally the nuts are crimped to the body with the use of ferrules. The ferrules are swaged to the tube. This is the reason of seamless leak free connection between the fitting and the tube. buying experience using intelligent technology modules available at our work station.

Valves can be declassified to various sub categories:

Ball Valves·
Needle Valves·
Check Valves·
Non Return Valves·
Manifold Valves·
Double Block and Bleed Valves



VALVES

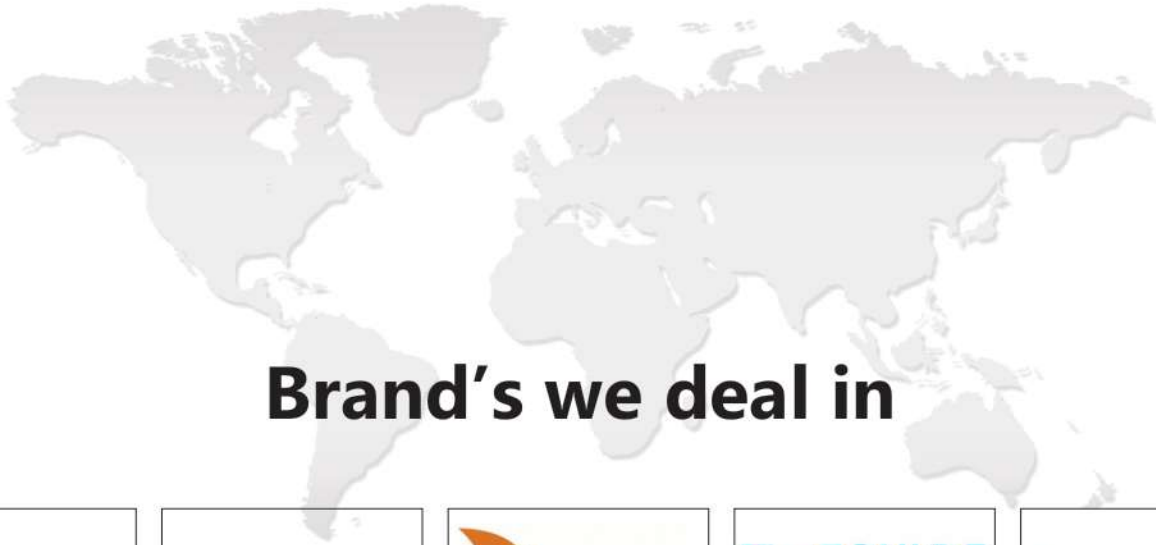
SHEETS & PLATES



Sheet metal is metal formed by an industrial process into thin, flat pieces. It can be cut and bent into a variety of shapes. Countless everyday objects are fabricated from sheet metal. Thicknesses can vary significantly; extremely thin sheets are considered foil or leaf, and pieces thicker than 6 mm (0.25 in) are considered plate. These are available in flat pieces or coiled strips. The coils are formed by running a continuous sheet of metal through a roll splitter.

Generally, sheet metal thickness is consistently specified in millimeters. In the US, the thickness of sheet metal is commonly specified by a traditional, non-linear measure known as its gauge. Sheets are metals or alloys which are formed into thin, flat pieces by an industrial process. The thickness of a sheet may vary according to its applications. Sheets can be rolled into coils as well by running a continuous sheet of metal through a roll splitter. These are known as coiled sheets. Steel Sheets are come in various shapes such as:

- **Steel Sheets**
- **SHIMS**
- **Steel Plates**
- **Circle**



Brand's we deal in

 VALVOTUBI IND. DIRECT FLOW	SIEMENS	 metso	 GOULDS PUMPS	 MILTON ROY
 Kidde A UTC Fire & Security Company	Honeywell	 WIKAI ®	 MARESTAR	 ROLLSTUD
 V&M VALLOUREC & MANNESMANN TUBES	 B BONNEY FORGE	SMITH Gaskets Smith International Gulf Services, LLC	 Ti TECTUBI RACCORDI	 MAASS GLOBAL GROUP MAASS FLANGE CORP.
 TR TUBOS REUNIDOS	 KSB	 Tenaris	 rotork ®	 melesi
 BKL SHAI BENKAN CO. LTD.	 NIPPON STEEL & SUMITOMO METAL GROUP	 ArcelorMittal	 TK Corporation	 YOKOGAWA
 M.E.G.A.	 FLOWSERVE	 VALVOTUBI IND.	 DONG JIN FITTING	
	 S & W S&W IND. CO., LTD.	BSL Pipes & Fittings	Swagelok	 EMERSON
 INTERPIPE	 OMB ®	BROADY FLOW CONTROL	 ULMA	auma ® Solutions for a world in motion



Your Complete Piping Solution



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GENERAL TRADING**



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