PRODUCT LIST

FLANGES	FORGED FITTINGS	PIPE FITTINGS	
Types of Flanges: -	Types of Socket-Weld Fittings: -	Types of Pipe fittings: -	
Threaded Flanges: - Also known as the Screwed Flanges, the Threaded Flange has a thread inside its bore. The thread fits in line with another male thread on the pipe. Though it is a fast process of connection, it is not suggested for high pressure or high temperature applications.	Full Coupling: - A full coupling is used to join a pipe to		
	another pipe or a pipe to a nipple and so on.	• Pipe Elbow: - Elbows are the most common type of pipe fittings used. Pipe elbows give the flexibility to change a pipe's direction. 90 and 45 degree elbows are commonly used.	
	Half Coupling: - Directly welding a half coupling to a		
	run pipe helps in creating a branch system.		
	Reducing Coupling: - A reducing coupling has two	However, angles can be adjusted as per requirement.	
Slip-on Flanges: - Slip-on Flanges are made with holes that match the outer diameter of a pipe. The pipe is passed through the hole and fillet welded from both sides. Low pressure and low temperature applications are suitable for this kind of flange joint. Slip-on flanges are generally forged and come with a hub. Large sizes are used to connect big bore pipes with storage tanks. Socket-Weld Flanges: -Usually used only for Low pressure and temperature applications, Socket-Weld Flanges have female socket. A pipe is fitted through the	separate outside diameters to fit pipes with different		
	diameters.	• Reducing Elbow: - The reducing pipe helps in changing direction, as well as reducing the size of a pipe within a system. Also, the gradual reduction in diameter of this kind of elbows helps in preventing stream turbulence and internal corrosion.	
	Union: - A union is a screwed joint consisting of three		
	pieces that are interconnected. Two internally threaded		
	pieces connected through a centre piece.		
	Elbows: - Elbows are made in 90 and 45 degree angles to	• Pipe Reducer: - Pipe reducers help	
	change the direction of a pipe.	in reducing the diameter of a pipe. Two types of pipe reducers include Concentric and eccentric pipe	
	Cross: - The 90degree cross sections of a cross create a		
	branch system.	reducers.	
female socket in the Flange.	End caps: - End caps are used to complete a pipe and	• Stub-ends: - Stub-ends are	
Lap-Joint Flanges: -Lap-joint flanges are	terminate the open ends of the pipe.	generally used with lap-joint flanges. The stub is butt welded to the pipe	
made in two components, which includes a stub-end and a loose backing flange. Lapjoint Flange is used for applications that require frequent dismantling.	Types of Threaded Fittings: -	and the flange is left free to move over the stub end.	
	Full Coupling; - A full coupling is used to connect pipes		
	to pipes and pipes to nipples and more.	• Pipe Nipple : - Pipe nipple is threaded at both or at least one end.	
Blind-Flanges: - These Flanges are used as a termination point to a piping system. Blind-Flanges have a blank surface with bolt point to fit a pipe.	Half-Coupling: - A run pipe and a half-coupling can be	Nipples are applied on low-pressure piping and used for connecting pipes, as well as valves.	
	welded to form a branch connection.		
	Elbows: - Elbows are common in both. These fittings		
	come in 90 and 45 degree angled connections to make		
	changes in the direction of a pipe.		
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Square Head plug: - The fitting helps in sealing the

threaded ends of a fitting.

PRODUCT LIST

BARS	<u>FASTENERS</u>	OTHER PRODUCTS
Types of Bars: -	Types of Fasteners: -	SHEETS
Round Bars: - Round Bars are commonly used for applications such as	Some of the most commonly used Fastener types are listed below with their purposes: - Bolts : -Bolts are a type of threaded fasteners consisting of an external	PLATES
shafts, Axels, dowels, Bolts and gears. Square Bars: - Square Bars are	male thread. Bolts are commonly misinterpreted with screws. Both have different structures and purposes all together. Bolts are often used in making bolted-joints, for the assembly of two unthreaded components.	PIPES TUBES
generally used for structural applications, manufacturing and repairs. Other industries like agricultural	Types of Bolts include Anchor Bolts, Arbor Bolts, Elevator Bolts, Hex Bolts, Carriage Bolts, Lag Bolt, J-Bolt, U-Bolt, Hanger Bolt, and so on.	VALVES
implementation, fencing, and transportation also involve square bar usage.	Screws : - A screw is somewhat similar to a Bolt and is characterizes by a typical helical ridge, also known as the male thread. A screw usually has a head with a special cut that allows it to be tightened into a softer base using a tool.	
Hex Bars: - Hex or Hexagonal bars are with six sides. These generally are cold drawn and can be altered as per application requirements.	Nuts: - Nuts are normally used along with a fastening bolt to fasten multiple parts together. Hexagonal nuts are popular as they provide easy access for a tool and requires only one sixth of rotation to reach the next side and obtain optimal grip.	
	Washers : - A washer is a thin plate of metal that is basically used to distribute the weight of any threaded fastener. Washers usually have an outer diameter twice the inner diameter.	

Alloy steel Carbon steel	Low Temperature Carbon Steel	STAINLESS STEEL	SUPER NICKEL ALLOYS
F1 F11 F12 F2 F22 F5 F9 F9 1 F911 F92 A105 A36 F42 F46 F48 F52 F56 F56 F60 F65 F70 F80	LF1 LF2 LF3 LF5 LF6 LF7 LF9	202, 303, 304, 304H, 304L, 304LN, 304N, 309H, 310, 310MoLN,310H,310S, 316, 316H, 316L, 316LN, 316N, 316Ti, 317, 317L, 321, 321H, 347, 347H, 348, 348H, 904L. Duplex Steel 2205 S31803 S32205 Super Duplex Steel 2507 Ferralium 255 S32750 S32760 Zeron 100	Copper Nickel :70/30 90/10 Hastelloy: B2 B3 C22 C276 Incoloy: 800 825 Inconel: 600 601 617 625 690 718 Monel 400 Nickel Alloy: 200 201 Alloy 20 Titanium: Gr 1 Gr 2 Gr 3 Gr 4 Gr 5