



## **Al-Kun Steel** **Product line**

### **1) Pipe Fittings:-**

#### **a) Brass Fittings:**

**ELBOW 90D, ELBOW 45D, UNION, CAP, SOCKET, R/SOCKET, BUSH, TEE, R/TEE, PLUG**

**CONNECTION -**

**BSPT THREAD**

**SIZES -**

**1/8" TO 4"**



## b) MS Threaded Fittings:

ELBOW 90D, ELBOW 45D, UNION, CAP, SOCKET, R/SOCKET, BUSH, TEE, R/TEE, PLUG

CONNECTION -

THREADED OR SOCKET WELD

PRESSURE -

1000PSI, 2000PSI (2M), 3000PSI (3M), 6000PSI (6M)

THREAD -

BSPT (1000PSI), NPT (2000PSI, 3000PSI, 6000PSI)

GRADE -

A105/A105N

SIZES -

1/4" TO 4"



### c) MI / GI Fittings:

**ELBOW 90D, ELBOW 45D, UNION, CAP, SOCKET, R/SOCKET, BUSH, TEE, R/TEE, PLUG**

**TYPES -**

**BANDED TYPE HEAVY DUTY AND COLLAR TYPE LIGHT DUTY**

**CONNECTION -**

**BSPT THREAD (1/8" TO 6") AND NPT THREAD (1/2" TO 6")**

**SIZES -**

**1/8" TO 6"**



**d) SS BUTT-WELD Fittings:**

**ELBOW 90D, ELBOW 45D, CAP, TEE, R/TEE, CONCENTRIC REDUCER, ECCENTRIC REDUCER, STUB END**

**CONNECTION -**

**WELDED**

**SCHEDULE -**

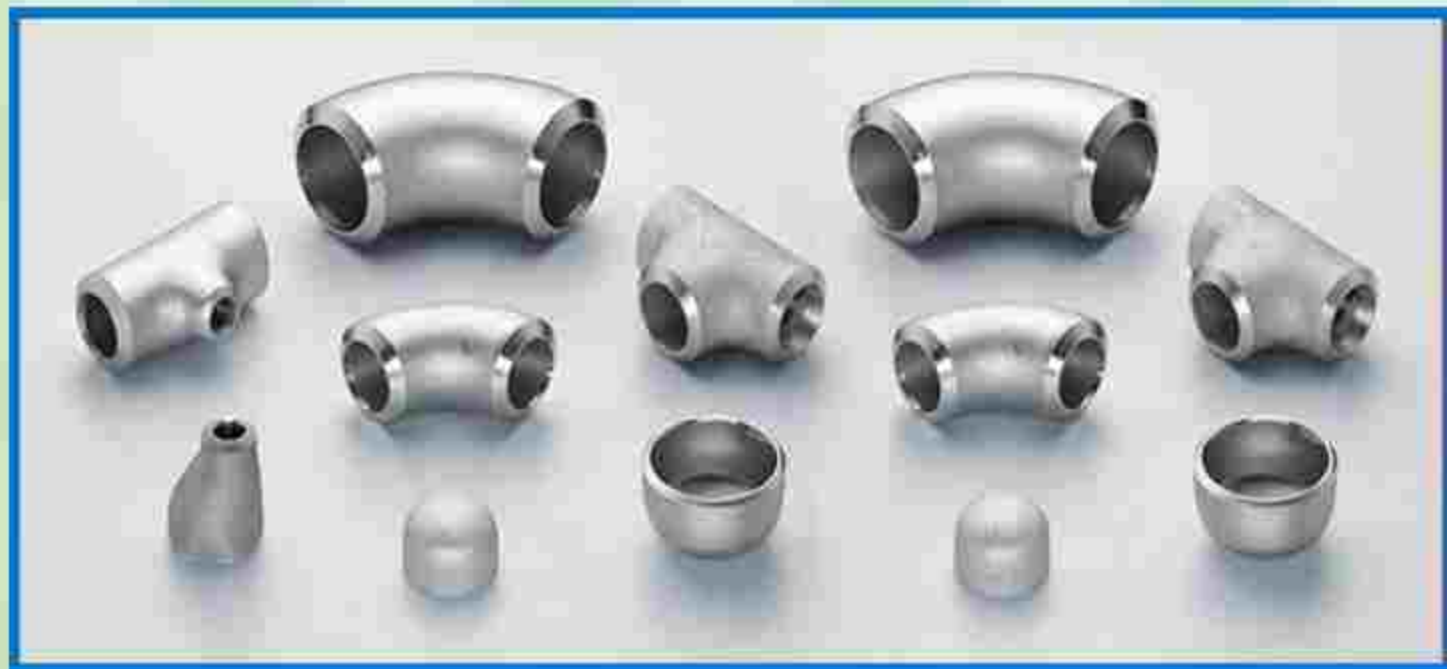
**STD, SCH40, SCH80, XS, SCH160**

**GRADE -**

**A234 WPB**

**SIZES -**

**1/4" TO 60"**



**e) MS BUTT-WELD Fittings:**

**ELBOW 90D, ELBOW 45D, CAP, TEE, R/TEE, CONCENTRIC REDUCER, ECCENTRIC REDUCER STUB END**

**CONNECTION -**

**WELDED**

**SCHEDULE -**

**STD, SCH40, SCH80, XS, SCH160**

**GRADE -**

**A234 WPB**

**SIZES -**

**1/4" TO 60"**





**f) SS Threaded Fittings:**

**ELBOW 90D, ELBOW 45D, UNION, CAP, SOCKET, R/SOCKET, BUSH, TEE, R/TEE, PLUG**

**CONNECTION -**

**THREADED OR SOCKET WELD**

**PRESSURE -**

**CL150 LOW PRESSURE  
FITTINGS & CL3000 HIGH  
PRESSURE FITTINGS**

**THREAD -**

**THREADED OR SOCKET WELD**

**TYPE -**

**PLAIN END & BANDED ENDS**

**GRADE -**

**304/304L & 316/316L**

**SIZES -**

**1/4" TO 4"**



## 2) Nipples:-

### a) Pipe Nipples:

- 1) MS LONG NIPPLE, SS LONG NIPPLE, GI LONG NIPPLE & BRASS LONG NIPPLE
- 2) MS CLOSE NIPPLE, GI CLOSE NIPPLE, SS CLOSE NIPPLE (FULL THREAD NIPPLE)

#### MATERIAL -

A106 GR B, A53 GR B, API5L, GR B, A333 (LOW TEMP.), SS 304/304L, 316/316L

#### PIPE TYPE -

WELDED PIPE (ERW) OR SEAMLESS PIPE (SMLS)

#### SCHEDULE -

MS LONG NIPPLE IN SCH40, SCH80 & SCH160

SS LONG NIPPLE IN SCH40 & SCH80

GI LONG NIPPLE B-CLASS & C-CLASS

BRASS LONG NIPPLE IN SCH40

PIPE SIZE  $\frac{1}{4}$ " TO 6" & LENGTH SIZE FROM  $\frac{1}{2}$ " TO 200"



## b) Swage Nipples:

### CONCENTRIC & ECCENTRIC SWAGE NIPPLE

MATERIAL -

MS A105 A234 WPB

SS 304/304L, 316/316L

SCHEDULE -

SCH40, SCH80, SCH160, SCHXXS

THREADS -

NPT OR BSPT

TYPES -

THREAD BOTH ENDS (TBE), THREAD SMALL END (TSE), THREAD LARGE END (TLE), PLAIN BOTH ENDS (PBE), PLAIN SMALL END (PSE), PLAIN LARGE END (PLE), BEVEL BOTH ENDS (BBE), BEVEL SMALL END (BSE), BEVEL LARGE END (BLE).

BODY -

1 PC BODY (MADE FROM ROD) OR 2 PC BODY (CON. / ECC. REDUCER WELDED TO PIPE)

SIZES -

1 PC BODY - MAXIMUM LARGE END 6"

2 PC BODY - MAXIMUM LARGE END 8"





### 3) Flanges:-

#### a) Cast Steel Flanges:

**SLIP-ON (SO), WELD-NECK (WN), THREADED, BLIND**

**RATINGS -**

**PN10, PN16, PN25, CL150, CL300, 5K, 10K**

**SCHEDULE AVAILABLE FOR W/N FLANGE -**

**STD, SCH40, SCH80**

**SIZES -**

**1/2" TO 24" (S/O, W/N, BLIND) 1/2" TO 6" (THREADED)**



## **b) Forged Flanges:**

**SLIP-ON (SO), WELD-NECK (WN), THREADED, BLIND, LAP JOINT, SOCKET WELD (SW)**

**RATINGS OF PRODUCTS (EX-STOCK) -**

**PN10, PN16, PN25, CL150, CL300, 5K, 10K**

**RATINGS OF PRODUCTS CAN BE ARRANGED -**

**CL600, CL900, CL1500, PN40, 16K, 20K**

**FACE -**

**R/F, F/F & RTJ**

**SCHEDULES AVAILABLE FOR W/N FLANGE -**

**SCHSTD, SCH40, SCH80, XS, XXS**

**MATERIAL -**

**A105 (CHINA) A105 & A350 LF2 (EUROPEAN)**

**SIZES -**

**½" TO 60" (S/O, W/N, BLIND) ½" TO 8" (THREADED, LAP JOINT, SOCKET WELD)**



### c) Stainless Steel Flanges:

**SLIP-ON (SO), WELD-NECK (WN), THREADED, BLIND (BL), LAP JOINT, SOCKET WELD (SW)**

**RATINGS -**

**PN10, PN16, CL150, CL300**

**FACE -**

**R/F, F/F**

**SCHEDULE AVAILABLE FOR W/N FLANGE -**

**STD, SCH40, SCH80**

**SIZES -**

**½" TO 12" (S/O, W/N, BLIND) ½" TO 6" (THREADED, LAP JOINT, SOCKET WELD)**



**d) Brass Flanges:**

**SLIP-ON (SO), THREADED**

**RATINGS -**

**PN16, CL150**

**FACE -**

**R/F, F/F**

**SIZES -**

**½" TO 12"**





### e) Bi-Metallic Flanges:

COMPOSITE FLANGE COMPRISING OF EPOXY POWDER COATED FLANGE RING AND SWEAT-END BRASS COUPLER, SUITABLE FOR CONNECTING COPPER OR BRASS PIPES WITH EACH OTHER OR WITH STEEL PIPES. ECONOMICAL ALTERNATIVE TO FULL BRASS FLANGES.

FLANGE -

CARBON STEEL WITH COATING

RING & COUPLER -

BRASS

RATINGS -

PN16 & CL150

SIZES -

1" TO 8"



f) Backing rings:

**RATING -**

**PN16 & CL150**

**MATERIAL -**

**GI (MS GALVANIZED) & SS304 / SS316**

**SIZES -**

**1" TO 24"**



**g) Spectacle:**

**SPECTACLE BLIND**

**(2) SPADE**

**(3) SPACER**

**MATERIAL -**

**CARBON STEEL ASTM A 36 OR A 516 GR 70 SS304, SS304L, SS304H, SS316, SS316L,**

**SS316H ALMOST ANY OTHER STEEL, STAINLESS STEEL OR ALLOY STEEL CAN BE SUPPLIED**

**RATING -**

**CL150, CL300, CL600, CL900, CL1500, CL2500**

**FACE -**

**R/F, F/F & RTJ**

**RAW MATERIAL ORIGIN -**

**ASTM A36 - UKRAINE A 516 GR 70 - DILLINGER GERMAN SS304, SS304L, SS304H, SS316**

**SS316L, SS316H - VALBRUNA**

**SPAIN OR ARCELOR MITTAL**

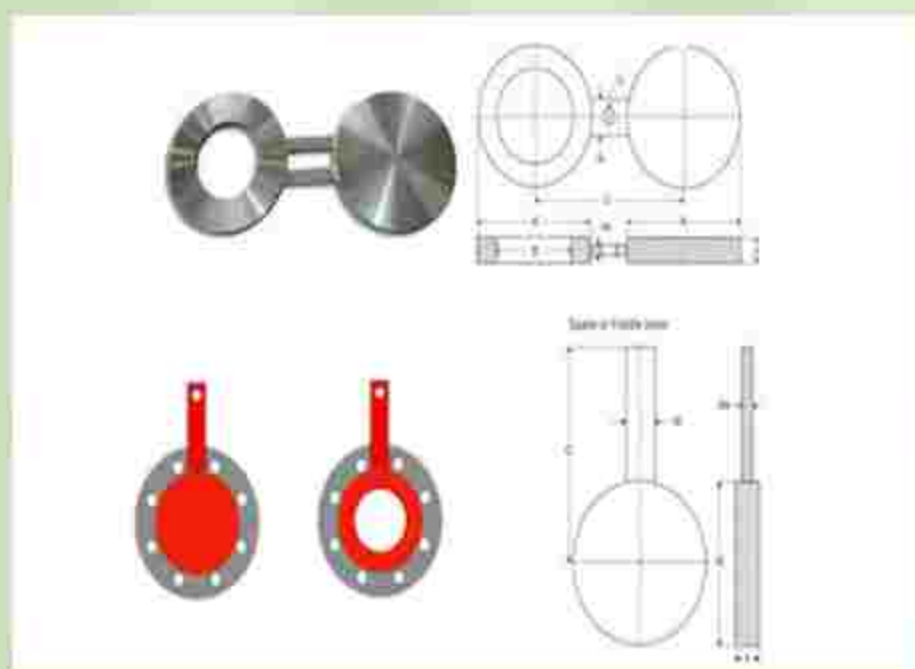
**BELGIUM**

**MANUFACTURED -**

**LOCALLY**

**SIZES -**

**½" TO 60"**



## 4) Gaskets:-

### a) Raised face gaskets:

GASKET TO SUIT THE RAISED FACE OF THE FLANGE COMMONLY KNOWN AS RF GASKET

#### MATERIAL:-

NEOPRENE RUBBER, EPDM RUBBER, ASBESTOS (CAF), NON-ASBESTOS (CNAF), TEFLON (PTFE)

#### RATINGS -

PN16, PN25, CL150, CL300, CL600, 5K, 10K

#### THICKNESS -

1.5MM TO 12MM

#### SIZES -

½" TO ⅜"





## b) Full Face Gaskets:

GASKETS WITH MATCHING BOLT HOLES OF THE FLANGE COMMONLY KNOWN AS FF GASKET

### MATERIAL -

NEOPRENE RUBBER, EPDM RUBBER, ASBESTOS (CAF), NON-ASBESTOS (CNAF), TEFLON (PTFE)

### RATINGS -

PN16, PN25, CL150, CL300, CL600, 5K, 10K

### THICKNESS -

1.5MM TO 12MM

### SIZES -

1/2" TO 48"



### c) Ring Joint Gaskets:

**GASKETS TO FIT IN RING-GROOVE OF THE FLANGES COMMONLY KNOWN AS RTJ GASKET**

**MATERIAL -**

**LOW CARBON STEEL (LCS) & STAINLESS STEEL 316L**

**TYPES -**

**R, BX, RX**

**SIZES -**

**R-11 UPTO R-105**

**BX-150 UPTO BX-303**

**RX-20 UPTO RX-82**



**BX**



**RX**



**R (Octagonal)**



**R (Oval)**

#### d) Spiral wound Gaskets:

**SPIRAL-WOUND GASKETS ARE MADE OF A PREFORMED METALLIC V-SHAPED STRIP AND A SOFT FILLER MATERIAL WOUND TOGETHER UNDER PRESSURE, WITH AN OUTER GUIDE RING COMMONLY KNOWN AS SPWD GASKET**

**MATERIAL -**

**CS OUTER RING AND SS GRAPHITE INNER RING OR BOTH INNER AND OUTER SS RING**

**RATINGS -**

**CL150, CL300, CL600, CL900**

**SIZES -**

**½" TO 24"**



## 5) Valves:-

### a) Gate valve:

#### RATINGS -

PN10, PN16, PN25, CL125, CL150, CL300, 5K, 10K, 16K, CL800, CL1500

#### MATERIAL —

CAST IRON, CAST STEEL, STAINLESS STEEL, BRASS, BRONZE

#### TYPE -

RIISING STEM AND NON-RIISING STEM

#### SIZES -

THREADED AND SOCKETWELD ENDS:

CAST STEEL (FORGED) - 1/4" TO 4"

STAINLESS STEEL - 1/4" TO 4"

BRASS - 1/4" TO 6"

BRONZE - 1/4" TO 4"

#### FLANGE END:

CAST IRON - 1/2" TO 24"

CAST STEEL - 1/2" TO 24"

STAINLESS STEEL - 1/2" TO 6"

BRASS - 1/2" TO 6"

BRONZE - 1/2" TO 6"





**b) Butterfly valve:**

**RATINGS -**

**PN16 & CL150**

**MATERIAL -**

**CAST IRON**

**DISC -**

**DUCTILE IRON, BRASS, STAINLESS STEEL**

**TYPE -**

**LEVER OPERATED AND GEAR OPERATED**

**CONNECTION -**

**WAFLER TYPE (UNIVERSAL BOLT HOLE), LUG TYPE (MATCHING BOLT HOLE WITH FLANGE)**

**SIZE -**

**2" TO 24"**



### c) Ball valve:

#### **RATINGS -**

**PN10, PN16, PN25, CL125, CL150, CL300, 5K, 10K, 16K, CL800, CL1500**

#### **MATERIAL -**

**CAST IRON, CAST STEEL, STAINLESS STEEL, BRASS, BRONZE**

#### **TYPE -**

**IN THREADED- BODY - 1PC BODY, 2PC BODY, 3PC BODY**

**BORE - FULL BORE, REDUCED BORE**

**IN THREADED 2-WAY & 3-WAY**

#### **SIZES -**

##### **THREADED AND SOCKETWELD ENDS:**

**CAST STEEL (FORGED) - 1/4" TO 4"**

**STAINLESS STEEL - 1/4" TO 4"**

**BRASS - 1/4" TO 6"**

**BRONZE - 1/4" TO 4"**

##### **FLANGE END:**

**CAST IRON - 1/2" TO 24"**

**CAST STEEL - 1/2" TO 24"**

**STAINLESS STEEL - 1/2" TO 6"**

**BRASS - 1/2" TO 6"**

**BRONZE - 1/2" TO 6"**



**d) check valve:**

**RATINGS -**

**PN10, PN16, PN25, CL125, CL150, CL300, 5K, 10K, 16K, CL800, CL1500**

**MATERIAL -**

**CAST IRON, CAST STEEL, STAINLESS STEEL, BRASS, BRONZE**

**SIZES -**

**THREADED AND SOCKETWELD ENDS:**

**CAST STEEL (FORGED) - 1/4" TO 4"**

**STAINLESS STEEL - 1/4" TO 2"**

**BRASS - 1/4" TO 4"**

**BRONZE - 1/4" TO 4"**

**FLANGE END:**

**CAST IRON - 1/2" TO 24"**

**CAST STEEL - 1/2" TO 24"**

**STAINLESS STEEL - 1/2" TO 6"**



## e) Y- Strainer:

### RATINGS:-

PN10, PN16, PN25, CL125, CL150, CL300, 5K, 10K, 16K, CL800, CL1500

### MATERIAL:-

CAST IRON, CAST STEEL, STAINLESS STEEL, BRASS, BRONZE

### SIZES:-

#### THREADED AND SOCKETWELD ENDS:

CAST STEEL (FORGED) - 1/4" TO 4"

STAINLESS STEEL - 1/4" TO 4"

BRASS - 1/4" TO 4"

BRONZE - 1/4" TO 4"

#### FLANGE END:

CAST IRON - 1/2" TO 12"

CAST STEEL - 1/2" TO 12"

STAINLESS STEEL - 1/2" TO 6"





**f) Globe valve:**

**RATINGS -**

**PN10, PN16, PN25, CL125, CL150, CL300, 5K, 10K, 16K, CL800, CL1500**

**MATERIAL -**

**CAST IRON, CAST STEEL, STAINLESS STEEL, BRASS, BRONZE**

**SIZES -**

**THREADED AND SOCKETWELD ENDS:**

**CAST STEEL (FORGED) - 1/4" TO 4"**

**STAINLESS STEEL - 1/4" TO 4"**

**BRASS - 1/4" TO 4"**

**BRONZE - 1/4" TO 4"**

**FLANGE END:**

**CAST IRON - 1/2" TO 24"**

**CAST STEEL - 1/2" TO 24"**

**STAINLESS STEEL - 1/2" TO**

**BRASS - 1/2" TO 6"**

**BRONZE - 1/2" TO 6"**



g) Safety relief valve:

SS

S10L



S10



## 6) Hoses:-

GREEN SUCTION HOSE -

SIZE - 1/2" TO 6"

STEEL WIRE HOSE -

SIZE - 1/2" TO 6"

BLUE FLAT HOSE -

SIZE - 2" TO 10"

REINFORCED HOSE

SIZE - 1/4" TO 3"

RUBBER AIR HOSE

SIZE - 1/4" TO 2"

FIRE HOSE -

SIZE - 2" TO 4"



## 7) Flexible connector:-

### a) Union Type:

UNION -

**HEAVY DUTY GALVANIZED**

TYPES -

**DOUBLE SPHERE**

SIZES -

**1/4" TO 3"**



### b) Flange Type:

RATING -

**PN16 & CL150**

TYPES -

**SINGLE SPHERE & DOUBLE SPHERE**

SIZES -

**2" TO 24"**



## 8) Camlock:-

### PRODUCTS PARTS -

A - FEMALE THREAD X MALE CAMLOCK

B - MALE THREAD X FEMALE CAMLOCK

C - HOSE X FEMALE CAMLOCK

D - FEMALE THREAD X FEMALE CAMLOCK

E - HOSE X MALE CAMLOCK

F - MALE THREAD X MALE CAMLOCK

DC - DUST CAP CAMLOCK

DP - DUST PLUG CAMLOCK

### MATERIAL -

ALUMINIUM, BRASS, STAINLESS STEEL

### THREADS -

BSPT & NPT

### SIZE -

1" TO 6"





## 9) Sheets:-

### a) Rubber sheets:

#### PRODUCTS

NEOPRENE RUBBER GASKET SHEETS

NEOPRENE RUBBER GASKET SHEETS WITH COTTON INSERTION

#### THICKNESS -

1.5MM TO 12MM

#### SIZES -

1.2MTR X 10MTR ROLL OR 18KG ROLL



**b) Asbestos sheets(CAF):**

**ASBESTOS GASKET SHEETS**

**THICKNESS -**

**1.5MM UPTO 10MM**

**COLOR -**

**RED AND BLACK**

**SIZES -**

**1.5MTR X 1.5MTR OR 1.5MTR X 1.35MTR**



**c) Non-Asbestos sheets (CNAF):**

**NON-ASBESTOS GASKET SHEETS**

**THICKNESS -**

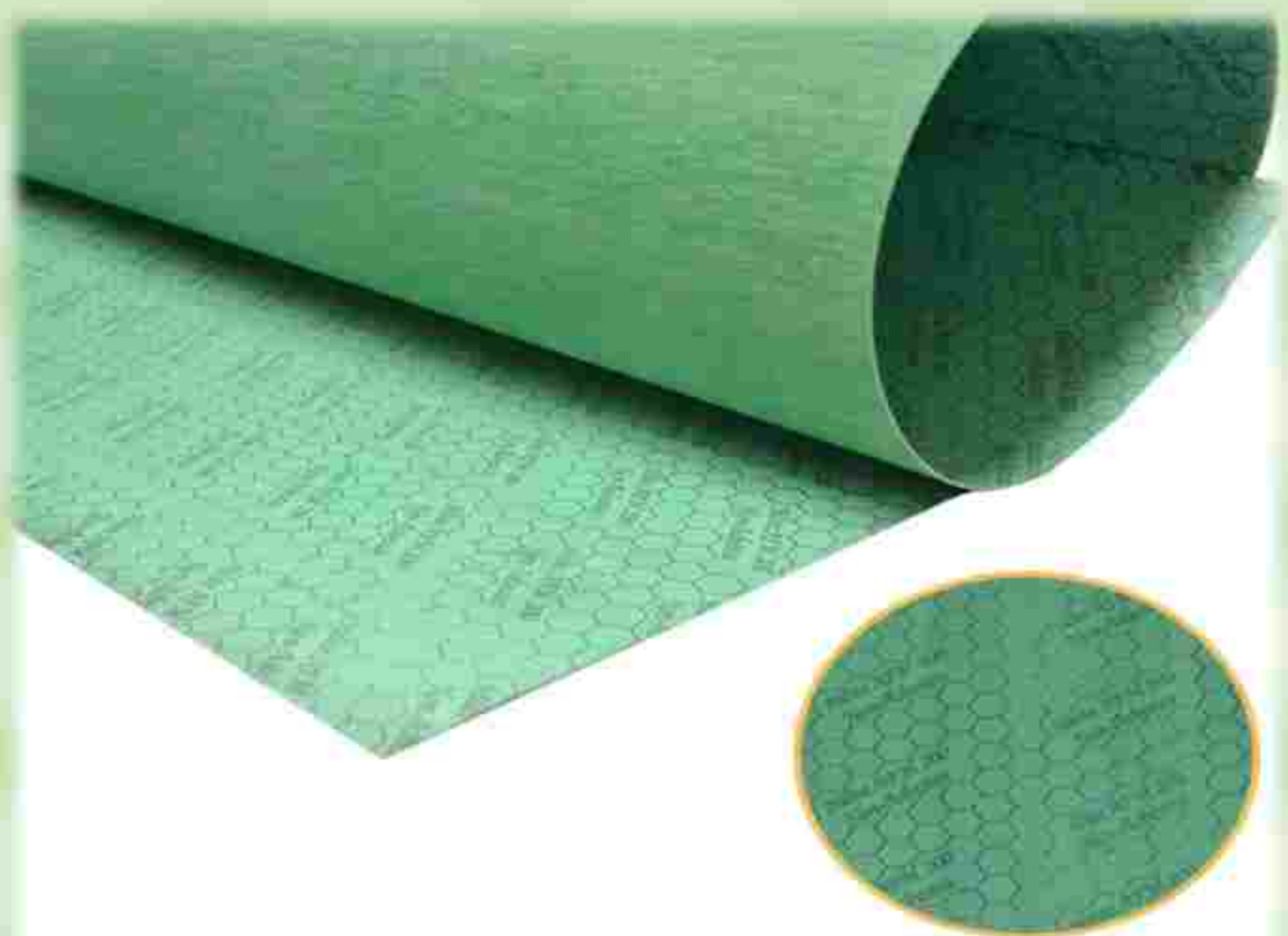
**1.5MM UPTO 6MM**

**COLOR -**

**GREEN**

**SIZES -**

**1.5MITR X 1.5MITR**



**d) Metallic graphite sheets:**

**METALLIC-GRAPHITE GASKET SHEETS**

**TYPES -**

**WIRE INSERTION WITH BOTH SIDE OF THE SHEET GRAPHITED**

**THICKNESS -**

**1.5MM UPTO 6MM**

**COLOR -**

**BLACK**

**SIZES -**

**1.5MTR X 1.5MTR**



## 10) Hose Fittings:-

### a) Hose Nipple/ Hose Connectors:

1) KING NIPPLE / HOSE

NIPPLE - ONE SIDE

THREAD AND ONE SIDE

HOSE CONNECTION

2) HOSE MENDER - BOTH

SIDE HOSE

CONNECTION

3) TEE CONNECTION -

THREE WAY HOSE

CONNECTION



THREADS -

NPT OR BSPT

SIZES -

1/4" TO 8" (GI)

1/4" TO 4" (BRASS & SS)





## b) Chicago Coupling:

### DESCRIPTION -

THESE FITTINGS ARE MOST COMMONLY USED ON HOSE LINES CONNECTING PNEUMATIC TOOLS TO A COMPRESSED AIR SOURCE.

### PRODUCTS -

HOSE END, MALE END, FEMALE END, THREE WAY END

### MATERIAL -

GALVANIZED

### SIZE -

1/4" TO 2"



## 11) Pipes:-

### MATERIAL

CARBON STEEL, STAINLESS STEEL, ALLOY STEEL, GALVANIZED STEEL

### TYPES

SEAMLESS, WELDED, ERW



### MATERIAL GRADES

A106 GR. B / A53 GR.B / API 5L GR B, A312 TP 304/304L, TP316 / 316L, F321

### SIZES

1/2" TO 84" - VARYING WITH MATERIAL GRADES,-



### SCHEDULES

SCH 10 TO SCH XXS OR HIGHER AS PER CUSTOMER REQUIREMENTS

### MANUFACTURER'S ORIGIN

EASTERN/WESTERN EUROPE, JAPAN, SOUTH KOREA, RUSSIA, UKRAINE & USA



## 12) Grooved Fittings:-

*Grooved piping system is reliable and is faster to install than welding, threading or flanging, resulting in lowest installed cost. It can be adopted to suit standard pipe with cut grooves or standard and light wall pipe with rolled grooves. Couplings perform equally well under pressure and vacuum. Couplings are available for flexible and rigid system. Grooved end fitting are machined to AWWA C606 cut groove standard. Products are offered with RAL 3000 alkyl enamel rust preventive paint as standard and hot dipped galvanized coating is available optionally.*





### 13) Hammer Union:-

**WORKING PRESSURE -**

**1000 TO 9000 PSI**

**FIG No-**

**50 TO 602**

**CONNECTION -**

**THREADED AND BUTT WELD END**

**SEALING -**

**1) LOW PRESSURE SERVICE (1000 TO 2000 PSI RANGE), THE SPHERICAL SURFACE OF THE MALE SUB AND THE CONE SHAPED SURFACE OF THE FEMALE PROVIDE A METAL-TO-METAL SEAL.**

**2) MEDIUM PRESSURE SERVICE (2000 TO 4000 PSI RANGE), THE METAL-TO-METAL SEAL IS SUPPLEMENTED WITH A RESILIENT SEAL RING.**

**3) HIGH PRESSURE SERVICE (6000 TO 9000 PSI RANGE), A REPLACEABLE, LIP TYPE SEAL RING IS PART OF THE FEMALE SUB. THIS SEAL RING REDUCES FLOW TURBULENCE AND PROTECTS THE METAL-TO-METAL SEAL FROM CORROSION.**

**SIZES -**

**1" TO 12"**







