

**MSME**

सूक्ष्म, लघु एवं मध्यम उद्यम  
MICRO, SMALL & MEDIUM ENTERPRISES  
UDYAM-MH-19-0333864



( AN ISO 9001 : 2015 CERTIFIED COMPANY )



# KERONE STEEL & ALLOYS

*Excellence in engineering  
unbeatable quality in fittings*





# KERONE STEEL & ALLOYS

( AN ISO 9001 : 2015 CERTIFIED COMPANY )

## COMPANY PROFILE

NAME : **KERONE STEEL & ALLOYS**

OFFICE-ADD : 11, Masjid Build., 1st Floor, Office No.8,  
4th Khetwadi X Lane Mumbai-400 004.

EMAIL : ✉ **info@keronesteel.com**

WEB  **www.keronesteel.com**

CONTACT PERSON **Mob.:+91-7977194238 / 9920490435**

STOCKIST &  
SUPPLIERS OF Carbon Steel, Stainless Steel, Nickel Alloy,  
Super Duplex, Brass, Copper, Aluminium,  
Alloy Steel : Pipes, Sheet, Coils  
Round Bar, Fittings & Flanges, Valves, Fasteners etc.  
Ferrous & Non-Ferrous Metal

MSME : **UDYAM-MH-19-0333864**



# KERONE STEEL & ALLOYS



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## INTRODUCTION

We are 30 years old company engaged in manufacturing quality pipe fittings, flanges stocking & supplying all other ferrous & non ferrous products to the discerning customers in India & Abroad.

As markets today demand better performance, more reliability & higher quality. We have expanded to new areas on the map globally, offering a larger range of products & services than even before.

With view in our mind of highlighting the products, it becomes necessary to dwell on various aspects of the products that we make and supply to various industries which are in continuous search of quality products.

Before introducing our products, we would like to answer the obvious question in your mind.

### Some of the unique values that comes along with products

- Commitment to complete customer satisfaction
- Complete product knowledge
- Total Quality management
- State of the art manufacturing & assembling facilities
- Excellent sourcing capability
- Competitive pricing
- Prompt & reliable customer service

## THIRD PARTY INSPECTION

List of third party inspection agency with whom we regularly work



Uhde India Ltd.



DET NORSKE VERITAS



Bharat Heavy Electricals Ltd.



HEG Ltd.



Larsen & Toubro Ltd.



Nuclear Power Corp. of India Ltd.

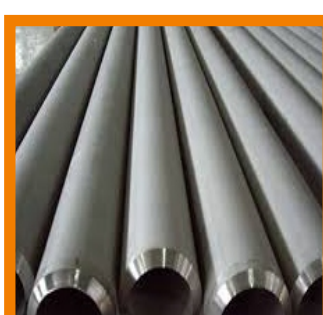
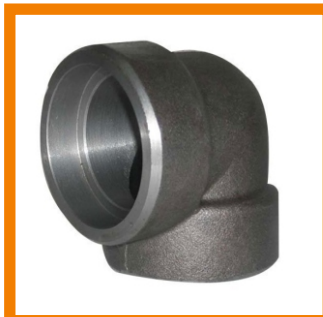
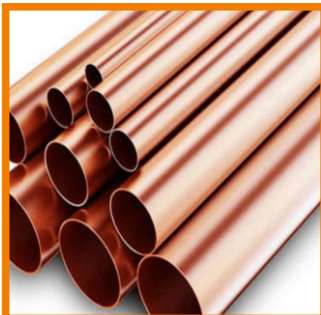
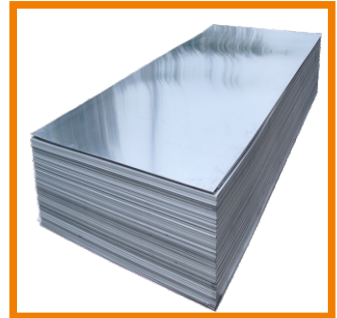
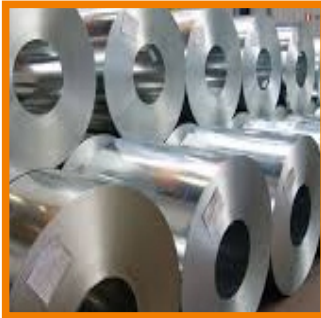


TATA Project



# KERONE STEEL & ALLOYS

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# KERONE STEEL & ALLOYS

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## BUTT-WELD FITTINGS

### Stainless Steel & Duplex Steel

Stainless Steel : ASTM A 403 WP - 304/304H/304L/316/316H  
316/316Ti, 309, 310, 317L, 321, 347, 904L

Duplex & : Standard  
Super Duplex ASTM A815 - UNS S31803, S32205 (2205)  
Lean  
ASTM A815, 790 - UNS S32304 (2304)  
Super Duplex  
ASTM A815, 790 - UNS S32750 (2507)  
UNS S32760 (Zeron 100)

### Alloy Steel & Carbon Steel

Alloy Steel : ASTM A 234 WPB WP5, WP9, WP11,  
WP12, WP91  
Carbon Steel : ASTM A 234 WPB, IS 1239 PART II  
Low Temp. CS : ASTM A-420 WPL6  
Other Service : Hot Dip Galvanizing, Sand Blasting

### Hi-Nickel & Titanium

#### Hi-Nickel

Nickel : ASTM B 366 N02200, N02201  
Monel : ASTM B 366 N04400, DIN N05500  
Inconel : ASTM B 366 N06600, N06601, N06617  
ASTM B 366 N07718  
ASTM B 366 N06625  
Incoloy : ASTM B 366 N08800, N08810  
ASTM B 366 N08825  
ASTM B 366 N08020  
Hastelloy : ASTM B 366 N10276, N06022  
ASTM B 366 N10665  
ASTM B 366 N06455

### Cupro Nickel

ASTM B 171 C70600 (90:10),  
ASTM B 171 C71500 (70:30)

### Size

Pipes : ½" to 30"  
Schedule : Sch. 5 to Sch. XXS

### Types

|                          |                                    |
|--------------------------|------------------------------------|
| Stubend - (Long & Short) | Elbow (45 DEG, 90 DEG, 180 DEG)    |
| U Bend                   | Tee - (Barred, Equal, Reducing)    |
| End Cap                  | Reducer - (Concentric & Eccentric) |
| Laterals                 | Nipple - (Swage & Barrel)          |

### Titanium

Commercially : ASTM B 363  
Pure Gr.1 R 56250 (CP4) Gr.2 R 50400 (CP3)  
Gr.3 R 50550 (CP2) Gr.4 R 50700 (CP1)  
Gr.7 R 52400 Gr.11 R 52250  
Alloys : ASTM B 363  
Gr.5 R 56400 (6Al-4V)  
Gr.23 R 56401 (6Al-4V-ELI)  
Gr.12 R 53400

Specialize :  
EFW / WFSW Pipes with 100% Radiography



# KERONE STEEL & ALLOYS

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## FASTENERS

### **Stainless Steel**

Grade : 304, 304L, 304H, 316, 316L, 316Ti, 316H, 316LN, 309S, 309H, 310S, 310H, 317, 317L, 317H, 321, 321H, 347, 347H, 904L  
: 254 SMO, Alloy A286, Nitronic 50/60, 17-4PH, 15-5PH

### **Alloy Steel**

ASTM A193 Gr.B7, A193 Gr. B16, A194 Gr.2H, A194 Gr.7

### **Duplex Steel**

Grade : UNS S31803, UNS S32205 (2205), UNS S32750 (2507), UNS S32760 (Zeron 100)

### **Nickel Alloy**

#### **Nickel**

Grade : UNS N02200, UNS N02201

#### **Inconel**

Grade : UNS N06600, UNS N06625, UNS N08800, UNS N08810, UNS N08811, UNS N08825

### **Monel**

Grade : UNS N04400, UNS N05500

### **Hastelloy**

Grade : UNS N10276, UNS N06022, UNS N10665

### **Alloy 20**

Grade : UNS N08020

### **Copper Nickel**

Grade : UNS C70600 (90:10), UNS C71500 (70:30)

### **Titanium**

Specification : ASTM B381

Grade : Gr.1 R 56250 (CP4), Gr.2 R 50400 (CP3), Gr.3 50550 (CP2), Gr.4 50700 (CP1), Gr.7 52400 Gr.11 R52250

Specification : ASTM B381

Grade : Gr.5 R 56400 (6AL-4V), Gr.23 R 56401 (6AL-4V-ELI), Gr.12 R 53400



# KERONE STEEL & ALLOYS

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## FLANGES

### Stainless Steel & Duplex Steel

Stainless Steel : ASTM A 182F - 304/304H/304L/316/316H  
316/316Ti, 309, 310, 317L, 321, 347, 904L

Duplex & : ASTM A 182 - F51, F53, F55  
Super Duplex

### Alloy Steel & Carbon Steel

Alloy Steel : ASTM A182 F5, F9, F11, F12, F22, F91

Carbon Steel : ASTM A105 A36 IS 2062

Low Temp. CS : ASTM A-350 LF2

Other Service : Hot Dip Galvanizing, Sand Blasting

### Hi-Nickel

#### Hi-Nickel

Nickel : ASTM B 564 N02200, N02201

Monel : ASTM B127 N04400 DIN N05500

Inconel : ASTM B 564 N06600, N06601, N06617  
ASTM B 564 N07718  
ASTM B 564 N06625

Incoloy : ASTM B 564 N08800, N08810  
ASTM B 564 N08825  
ASTM B 564 N08020

Hastelloy : ASTM B 564 N10276, N06022  
ASTM B 564 N10665  
ASTM B 564 N06455

Inconel®, Incoloy®, Monel®, Hastelloy®, Duplex®  
are Registered Trade Marks of their Respective Owners.

### Titanium

Commercially : ASTM B 861, 862, 381 Gr.1 R 56250 (CP4)  
Pure : Gr.2 R 50400 (CP3) Gr.3 R 50550 (CP2)  
Gr.4 R 50700 (CP1) Gr.7 R 52400  
Gr.11 R 52250

Alloys : ASTM B 861, 862, 381 Gr.5 R 56400 (6Al-4V)  
Gr.23 R 56401 (6Al-4V-ELI)  
Gr12 R 53400

### Cupro Nickel

ASTM B171 C70600 (90:10),  
ASTM B171 C71500 (70:30)

### Size

1/2" NB to 48" NB, ANSI B 16.5

### Class

150#, 300#, 600#, 900#, 1500#, 2500#  
in ASA 150 & ASA 300

### Types

|            |                    |
|------------|--------------------|
| Weldneck   | Screwed / Threaded |
| Socketweld | Long Weldneck      |
| Slip on    | Lapped Joint       |
| Blind      | Spectacle Blind    |

Specializing in :  
Hi-nickel & Stainless Steel Series



# KERONE STEEL & ALLOYS

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## PIPES & TUBES

### Pipes

#### Stainless Steel & Duplex Steel Pipe

|                 |                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------|
| Size            | : ½" to 30"                                                                                |
| Schedule        | : Sch. 5 to Sch. XXS                                                                       |
| Stainless Steel | : ASTM A312, A358 - TP 304/304H/304L/316/316H/<br>316L/316Ti/309/310/317/317L/321/347/904L |
| Duplex Steel    | : ASTM A790 - UNS S31803, S32750, S32760, S32205                                           |

#### Alloy Steel, Carbon Steel & LTCS Pipe

|                  |                                             |
|------------------|---------------------------------------------|
| Size             | : 1/2" to 36"                               |
| Schedule         | : Sch. 5 to Sch. XXS                        |
| Alloy Steel Pipe | : ASTM A335 Gr. P5, P9, P11, P12, P22 & P91 |
| Carbon Steel     | : ASTM A 106 Gr. B ASTM A53                 |
| Low Temp. Pipe   | : ASTM A 333 Gr. 6                          |
| Line Pipe        | : API 5L, X 42, 46, 52, 56, 60, 70          |
| Mild Steel &     | : IS 1239, IS 3589                          |
| Galvanized Pipe  |                                             |

#### Copper & Nickel Alloys pipe

|               |                                                         |
|---------------|---------------------------------------------------------|
| Size          | : ½" NB to 10" NB                                       |
| Standard      | : 10S/40S/80S                                           |
| Copper Nickel | : C70600 (90:10), C71500 (70:30), C71640                |
| Nickel        | : UNS N02200, N02201                                    |
| Monel         | : UNS N04400, N05500, Alloy 20                          |
| Inconel       | : UNS N06600, N06601, N06625, N08800,<br>N08810, N08825 |
| Hastelloy     | : UNS N10276, N06022, N10665, N06455                    |

**Type :-** Round | Square | Rectangle | Hydraulic

### Tubes

|                   |                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------|
| Size              | : 6 mm OD to 219.08 mm OD                                                                                      |
| Thickness         | : 0.6mm-10mm-Gauge : 22 SWG/BWG to<br>10 SWG/BWG                                                               |
| Form              | : Round, Square, Rectangle, Coil, 'U' Shap                                                                     |
| Length            | : Standard Length & Cut Length                                                                                 |
| Stainless Steel   | : ASTM A-213, A-249, A269-TP 304/304H/304L,<br>316/316H/316L/316Ti, TP 309, 310, 317L,<br>321, 347, 904 L etc. |
| Duplex Steel      | : ASTM A790 - UNS S31803, S32750, S32760,<br>S32205                                                            |
| Low Alloy Steel   | : ASTM A 213 - T-11, T-12, T-22, T-5, T-9 etc.                                                                 |
| Tube              |                                                                                                                |
| Carbon Steel      | : BS 3059 Gr. 360 / 440, SA 179,<br>SA / ASTM A210 Gr. A1                                                      |
| Copper Nickel     | : ASTM B111, C70600 (90:10), C71500 (70:30),<br>C71640                                                         |
| Tube              |                                                                                                                |
| Admiralty Brass   | : ASTM B 111 C44300, C44400,<br>C44500, C68700                                                                 |
| Tube              |                                                                                                                |
| Copper & Brass    | : ASTM B 188 C11000, C12200, C26000,<br>C27000, C28000                                                         |
| Tube              |                                                                                                                |
| Nickel Alloy Tube | : Nickel, Monel, Inconel, Alloy 20 etc.                                                                        |
| Specialize        | : Capillary Tube, IBR Tubes, Copper Nickel Tube                                                                |

#### **Test Certificate**

Manufacturer Test Codification  
En 3.1 & 3.2  
IBR Test Certificate



# KERONE STEEL & ALLOYS

( AN ISO 9001 : 2015 CERTIFIED COMPANY )



## ROUND BAR, HEX, SQUARE, WELDING FILLER WIRE

### Round Bar, Hex, Square :

#### Grades :

Stainless Steel : 304/304L, 316/316L/316Ti, 321, 310/310S, 317/317L, 347, 17-4Ph.15-5Ph, 904L, 410, 420, 430, 431, 430F, 416, 440C etc.  
Copper, Brass, Aluminium, Hast Alloy, Titanium, Monel, Inconel, Nickel, etc.

Duplex Steel : UNS 31803, UNS 32205, UNS 32750, UNS 32760

Alloy Steel : F5, F9, F11, F22, F91  
Carbon Steel, Mild Steel, Boiler Quality Plates

Specification : ASTM, AISI, ASME, DIN, UNS etc.

#### High Nickel

Nickel Alloys : 201/200  
Monel Alloy : 400/K-500  
Inconel : 600, 601, 625, 825, 800 /800H /800HT  
Hastalloy : C22, C276, B-2000  
Titanium : Gr.1, 2, 5, 7, Tantalum SMO 254, Alloy - 904L, Alloy 20, Alloy 330, etc.

#### Forms

Round, Square, Hex, (A/Fi), Bush, Rectangle, Flat, Block, Billet, Ingot etc.

### Welding Filler Wire :

#### Specification :

Condition : Rolled, Forged, Annealed, Picked, Hot Rolled, Cold Roll

#### Size :

Bright Bars : From 5mm Dia upto 350mm Dia  
Black Bars : From 16mm Dia upto 350mm Dia  
Square Bars : From 5mm Dia upto 250mm Dia  
Hex Bars : From 5mm Dia upto 150mm Dia  
Wires : 0.1mm Dia to 5mm Dia

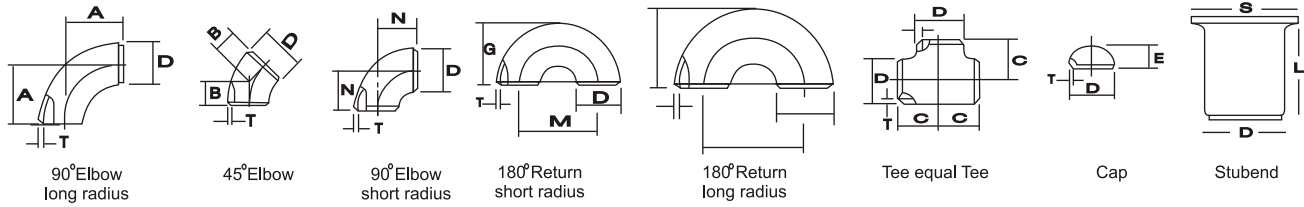
Types : Stick Welding, Mig Welding  
Tig Welding  
Flux Cored Arc Welding



# KERONE STEEL & ALLOYS

( AN ISO 9001 : 2015 CERTIFIED COMPANY )

## DIMENSION OF BUTT WELD FITTINGS ANSI B-16.9 / B-16.29



| Nominal Pipe Size |     | Outside Diameter | Center to Face |       |       |           | Back to Face |                                                                                      |       | Center to Center |        |       | Length 'L' |        |
|-------------------|-----|------------------|----------------|-------|-------|-----------|--------------|--------------------------------------------------------------------------------------|-------|------------------|--------|-------|------------|--------|
| INCH              | MM  | D                | A<br>R=1.5D    | B     | C     | N<br>R=1D | E            | F                                                                                    | G     | R                | M      | S     | Short L    | Long L |
| 1/2               | 15  | 21.3             | 38.00          | 16.0  | 25.0  | -         | 25.0         | 48.0                                                                                 | -     | 76.0             |        | 35.0  | 50.8       | 76.2   |
| 3/4               | 20  | 26.7             | 29.00          | 11.0  | 29.0  | -         | 25.0         | 43.0                                                                                 | -     | 57.0             |        | 43.0  | 50.8       | 76.2   |
| 1                 | 25  | 33.4             | 38.00          | 22.0  | 38.0  | 25.0      | 38.0         | 56.0                                                                                 | 41.0  | 76.0             | 51.0   | 51.0  | 50.8       | 101.6  |
| 1.1/4             | 32  | 42.2             | 48.00          | 25.0  | 48.0  | 32.0      | 38.0         | 70.0                                                                                 | 52.0  | 95.0             | 64.0   | 64.0  | 50.8       | 101.6  |
| 1.1/2             | 40  | 48.3             | 57.15          | 29.0  | 57.0  | 38.0      | 38.0         | 83.0                                                                                 | 62.0  | 114.0            | 76.0   | 73.0  | 50.8       | 101.6  |
| 2                 | 50  | 60.3             | 76.00          | 35.0  | 64.0  | 51.0      | 38.0         | 106.0                                                                                | 81.0  | 152.0            | 102.0  | 93.0  | 63.5       | 152.4  |
| 2.1/2             | 65  | 73.0             | 95.25          | 44.0  | 76.0  | 64.0      | 38.0         | 132.0                                                                                | 100.0 | 191.0            | 127.0  | 105.0 | 63.5       | 152.4  |
| 3                 | 80  | 88.9             | 114.30         | 51.0  | 86.0  | 76.0      | 51.0         | 159.0                                                                                | 121.0 | 229.0            | 152.0  | 127.0 | 63.5       | 152.4  |
| 3.1/2             | 90  | 101.6            | 133.35         | 57.0  | 95.0  | 89.0      | 54.0         | 184.0                                                                                | 140.0 | 267.0            | 175.0  | 140.0 | 76.2       | 152.4  |
| 4                 | 100 | 114.3            | 152.0          | 64.0  | 105.0 | 102.0     | 64.0         | 210.0                                                                                | 159.0 | 305.0            | 203.0  | 157.0 | 76.2       | 152.4  |
| 5                 | 125 | 141.3            | 190.0          | 79.0  | 123.0 | 127.0     | 76.0         | 262.0                                                                                | 197.0 | 381.0            | 254.0  | 186.0 | 76.2       | 152.4  |
| 6                 | 150 | 168.3            | 229.0          | 95.0  | 143.0 | 152.0     | 102.0        | 313.0                                                                                | 237.0 | 457.0            | 305.0  | 218.0 | 88.9       | 203.2  |
| 8                 | 200 | 219.1            | 305.0          | 127.0 | 178.0 | 203.0     | 89.0         | 414.0                                                                                | 313.0 | 610.0            | 406.0  | 270.0 | 101.6      | 203.2  |
| 10                | 250 | 273.1            | 381.0          | 159.0 | 216.0 | 254.0     | 102.0        | 515.0                                                                                | 391.0 | 762.0            | 508.0  | 324.0 | 127.0      | 254.0  |
| 12                | 300 | 323.8            | 457.0          | 190.0 | 254.0 | 305.0     | 127.0        | 619.0                                                                                | 467.0 | 914.0            | 610.0  | 381.0 | 152.4      | 254.0  |
| 14                | 350 | 355.6            | 533.0          | 222.0 | 279.0 | 358.0     | 152.0        | 711.0                                                                                | 533.0 | 1067.0           | 711.0  | 413.0 | 152.4      | 305.0  |
| 16                | 400 | 406.4            | 610.0          | 254.0 | 305.0 | 406.0     | 165.0        | 813.0                                                                                | 610.0 | 1219.0           | 813.0  | 470.0 | 152.4      | 305.0  |
| 18                | 450 | 457.2            | 686.0          | 286.0 | 343.0 | 457.0     | 178.0        | 914.0                                                                                | 686.0 | 1372.0           | 914.0  | 533.0 | 152.4      | 305.0  |
| 20                | 500 | 508.0            | 762.0          | 318.0 | 381.0 | 508.0     | 203.0        | 1016.0                                                                               | 762.0 | 1524.0           | 1016.0 | 584.0 | 152.4      | 305.0  |
| 22                | 550 | 559.0            | 838.0          | 343.0 | 419.0 | 559.0     | 229.0        | 1118.0                                                                               | 838.0 | 1676.0           | 1118.0 | 614.4 | 152.4      | 305.0  |
| 24                | 600 | 610.0            | 914.0          | 381.0 | 432.0 | 610.0     | 254.0        | 1219.0                                                                               | 914.0 | 1629.0           | 1219.0 | 692.0 | 152.4      | 305.0  |
| 26                | 650 | 660.0            | 991.0          | 405.0 | 495.0 | 660.0     | 267.0        |  |       |                  |        |       |            |        |
| 28                | 700 | 711.0            | 1067.0         | 438.0 | 521.0 | 771.0     | 267.0        |                                                                                      |       |                  |        |       |            |        |
| 30                | 750 | 762.0            | 1143.0         | 470.0 | 559.0 | 762.0     | 267.0        |                                                                                      |       |                  |        |       |            |        |
| 32                | 800 | 813.0            | 1219.0         | 502.0 | 597.0 | 813.0     | 267.0        |                                                                                      |       |                  |        |       |            |        |
| 34                | 850 | 864.0            | 1295.0         | 533.0 | 635.0 | 864.0     | 267.0        |                                                                                      |       |                  |        |       |            |        |
| 36                | 900 | 914.4            | 1372.0         | 565.0 | 673.0 | 914.0     | 267.0        |                                                                                      |       |                  |        |       |            |        |

All Dimension in Millimeters



# KERONE STEEL & ALLOYS

( AN ISO 9001 : 2015 CERTIFIED COMPANY )

## PRODUCT RANGE

### PIPES & TUBES



**Stainless Steel:** ASTM A312 304/ 304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/310/ 347/ 904L etc.

**Carbon Steel:** ASTM A53 GR. B/ A106 GR. B/ API 5L GRADE B/ API 5L GR. X42/46/52/56/60/65/70/ A333 GR. 3/ GR. 6 ASTM A179, A210 Gr. A1 etc.

**Alloy Steel:** ASTM A335 GR. P1/ P5/ P9/ P11/ P22/ P91 etc.

**Duplex Steel :** 2205/ S32205/ S31803/ 2507/ S32750/ S32760

**Nickel Alloy :** Inconel, Monel, Hastelloy, Alloy 20, Nickel, Copper-Nickel, Titanium

**Specialty Steel :** 254 SMO / AISI 4130 / 4140 / 1026

**Types :** Round, Square, Rectangular

**Size:** Upto 24" NB. (Seamless & Welded)

**Wall Thickness:** Sch. 5S to Sch. XXS

### BUTTWELD FITTINGS



**Stainless Steel:** ASTM A403 304/ 304L/ 304H/316/ 316L/ 317/ 317L/ 321/ 310/ 347/ 904L etc.

**Carbon Steel :** ASTM A234 WPB/ A420 WPL3/ A420 WPL6/ A860/ MSS-SP-75 WPHY 42/ 46/ 52/ 56/ 60/ 65/ 70 etc.

**Alloy Steel:** ASTM A234 WP1/ WP5/ WP9/ WP11/ WP22/WP91 etc.

**Duplex Steel :** 2205/ S32205/ S31803/ 2507/ S32750/ S32760

**Nickel Alloy :** Inconel, Monel, Hastelloy, Alloy 20, Nickel, Copper Nickel, Titanium

**Specialty Steel :** 254 SMO / AISI 4130 / 4140

**Types:** Elbow, Tee, Reducer, Return Bends, Stub-Ends, Cap, Collar, Cross, Insert etc.

**Size:** 1/4" NB TO 32" NB. (Seamless & Welded)

**Wall Thickness:** Sch. 5S To Sch. XXS.

### FLANGES & FORGED FITTINGS



**Stainless Steel:** ASTM A182 304/ 304L/ 304H/ 316/ 316L/ 317/ 317L/ 321/ 310/ 347/ 904L etc.

**Carbon Steel:** ASTM A105, A350 LF2/ LF3/ LF6  
**Alloy Steel:** ASTM A182 F1/ F5/ F9/ F11/ F22/ F91 etc.

**Duplex Steel :** 2205/ S32205/ S31803/ 2507/ S32750/ S32760

**Nickel Alloy :** Inconel, Monel, Hastelloy, Alloy 20, Nickel, Copper Nickel, Titanium

**Specialty Steel :** 254 SMO / A694 F52/ F60/ F65/ F70

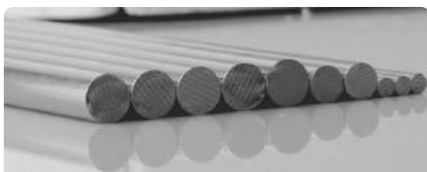
**Types:** Weldneck, Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ring Joint, Orifcae, Long Weldneck, Deck Flange, etc.

**Types :** Elbow, Tee, Union, Cross, Coupling, Cap, Nipple, Plug, Sockolet, Thredolet, Nipolet etc.

**Size:** 1/2" NB TO 24" NB.

**Class:** 150#, 300#, 400#, 600#, 900#, 1500# & 2500# etc.

### ROUND BARS



**Stainless Steel :** ASTM A276, A479, TP304/ 304L/ 304H/ 316/ 316L/ 316Ti/ 317/ 317L/ 321/ 310/ 347/ 904L/ 410/ 416/ 420/ 43 0F/ 431/ 440C/ 446/ 422 etc.

**Carbon Steel :** ASTM A105, A350 LF2/ LF3/ LF6

**Alloy Steel :** ASTM A182 F1, F5, F9, F11, F12, F22, F91 AISI 4130, 4140, 4145 etc.

**Duplex Steel :** 2205/ S32205/ S31803/ 2507/ S32750/ S32760

**Nickel Alloy :** Inconel, Monel, Hastelloy, Alloy 20, Nickel, Copper Nickel, Titanium

**Specialty Steel :** 254 SMO/ 253 MA/ 17-4PH/ 15-5PH/ Nitronic 50 & 60/ SS 446/ SS 422/ SS 415 (F6NM)/ SS 440B/ SS 314/ SS 329/ SS 317 LMN/ Alloy A286/ Alloy 926/ 13Cr / Tantalum

### FASTENERS



**Stainless Steel:** 304/ 304L/ 316/ 316L/ 310/ 317/ 317L/ 321/ 347/ 410/ 420/ 904L etc.

**Alloy Steel:** ASTM A193 Gr. B7, Gr. B16 etc.

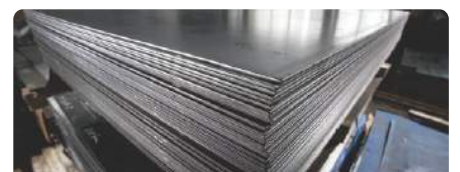
**Duplex Steel :** 2205/ S32205/ S31803/ 2507/ S32750/ S32760

**Nickel Alloy :** Inconel, Monel, Hastelloy, Alloy 20, Nickel, Copper Nickel, Titanium

**Specialty Steel :** 254 SMO/ Alloy A286/ Nitronic 50 & 60/ 17-4PH/ 15-5PH

**Types:** Bolts, Nuts, Washers, Anchor Fasteners, Stud Bolts, Eye Bolt, Stud, Threaded Rod, Cotter Pin, Socket Screw, Fine Fasteners & Spares, Foundation Fasteners, etc.

### SHEETS, PLATES & COILS



**Stainless Steel :** ASTM A240 304 / 304L / 304H/ 316/ 316L/ 317/ 317L/ 321/ 310

**Carbon Steel :** IS2062 / ASTM A36, A285 Gr. C, A516 Gr. 70 etc.

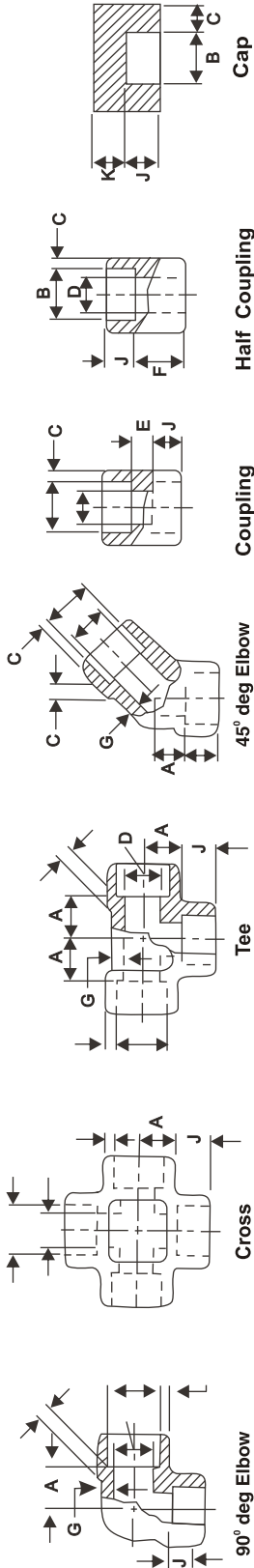
**Alloy Steel :** ASTM A387 Gr. 11/ 12/ 22/ 91 etc.

**Duplex Steel :** 2205/ S32205/ S31803/ 2507/ S32750/ S32760

**Nickel Alloy :** Inconel, Monel, Hastelloy, Alloy 20, Nickel, Copper Nickel, Titanium

**Specialty Steel :** 254 SMO / 253 MA/ 17-4PH/ Hardox 400, Sumihard Plates, Abrex 400, Crusabro 4800, 16Mo3, Corten A, Corten B, IRSM-41, S355J0, 12-14% Manganese Plates, Armour Steel Plates, Ramor 400, Ramor 500

## DIMENSIONS OF SOCKET-WELD FITTINGS ANSI B 16.11



Avg. Min.

| Nominal Pipe Size |       | Socket Bore Diameter B | Bore Diameter of Fitting D [ Note(1)] |      | Socket Wall Thickness, C [Note (2)] |                   |       |                   |       |                   | Body wall G |                   | Min. Depth of Socket J | Center to Bottom of Socket, A |       |             |                  |      |      | Laying Lengths |      |      | Tolerances |      |     | End Wall Thickness K Min. Class Designation |     |      |      |      |
|-------------------|-------|------------------------|---------------------------------------|------|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------------|-------------------|------------------------|-------------------------------|-------|-------------|------------------|------|------|----------------|------|------|------------|------|-----|---------------------------------------------|-----|------|------|------|
|                   |       |                        |                                       |      |                                     |                   |       |                   |       |                   |             |                   |                        | 90° Elbows, Tees & Crosses    |       | 45° Elbows, |                  |      |      |                |      |      |            |      |     |                                             |     |      |      |      |
|                   |       |                        |                                       |      |                                     |                   |       |                   |       |                   |             |                   |                        |                               |       |             |                  |      |      |                |      |      |            |      |     |                                             |     |      |      |      |
|                   |       |                        | NB                                    | INCH | Note 1                              | Class Designation |       | Class Designation |       | Class Designation |             | Class Designation |                        | Class Designation             |       | Couplings E | Half Couplings F | A    | E    | F              | 3000 | 6000 | 9000       |      |     |                                             |     |      |      |      |
| 3000              | 6000  | 9000                   |                                       |      |                                     | 3000              | 6000  | 9000              | 3000  | 6000              | 9000        | 3000              | 6000                   | 9000                          |       |             |                  |      |      |                |      |      |            |      |     |                                             |     |      |      |      |
| 6                 | 1/8   | 11.2                   | 7.6                                   | 4.8  | ...                                 | ...               | 3.18  | 3.18              | 3.96  | 3.43              | ...         | ...               | 2.41                   | 3.15                          | ...   | 9.5         | 11.0             | 11.0 | ...  | 8.0            | 8.0  | ...  | 6.5        | 16.0 | 1.0 | 1.5                                         | 1.0 | 4.8  | 6.4  | ...  |
| 8                 | 1/4   | 14.6                   | 10.0                                  | 7.1  | ...                                 | ...               | 3.78  | 3.30              | 4.60  | 4.01              | ...         | ...               | 3.02                   | 3.68                          | ...   | 9.5         | 11.0             | 13.5 | ...  | 8.0            | 8.0  | ...  | 6.5        | 16.0 | 1.0 | 1.5                                         | 1.0 | 4.8  | 6.4  | ...  |
| 10                | 3/8   | 18.0                   | 13.3                                  | 9.9  | ...                                 | ...               | 4.01  | 3.50              | 5.03  | 4.37              | ...         | ...               | 3.20                   | 4.01                          | ...   | 9.5         | 13.5             | 15.5 | ...  | 8.0            | 11.0 | ...  | 6.5        | 17.5 | 1.5 | 3.0                                         | 1.5 | 4.8  | 6.4  | ...  |
| 15                | 1/2   | 22.2                   | 16.6                                  | 12.5 | 7.2                                 | ...               | 4.67  | 4.09              | 5.97  | 5.18              | 9.35        | 8.18              | 3.73                   | 4.78                          | 7.47  | 9.5         | 15.5             | 19.5 | 25.5 | 11.0           | 12.5 | 15.5 | 9.5        | 22.5 | 1.5 | 3.0                                         | 1.5 | 6.4  | 7.9  | 11.2 |
| 20                | 3/4   | 27.6                   | 21.7                                  | 16.3 | 11.8                                | ...               | 4.90  | 4.27              | 6.96  | 6.04              | 9.78        | 8.56              | 3.91                   | 5.56                          | 7.82  | 12.5        | 19.0             | 22.5 | 28.5 | 13.0           | 14.0 | 19.0 | 9.5        | 24.0 | 1.5 | 3.0                                         | 1.5 | 6.4  | 7.9  | 12.7 |
| 25                | 1     | 34.3                   | 27.4                                  | 21.5 | 16.0                                | ...               | 5.69  | 4.98              | 7.92  | 6.93              | 11.38       | 9.96              | 4.55                   | 6.35                          | 9.09  | 12.5        | 22.5             | 27.0 | 32.0 | 14.0           | 17.5 | 20.5 | 12.5       | 28.5 | 2.0 | 4.0                                         | 2.0 | 9.6  | 11.2 | 14.2 |
| 32                | 1 1/4 | 43.1                   | 35.8                                  | 30.2 | 23.5                                | ...               | 6.07  | 5.28              | 7.92  | 6.93              | 12.14       | 10.62             | 4.85                   | 6.35                          | 9.70  | 12.5        | 27.0             | 32.0 | 35.0 | 17.5           | 20.5 | 22.5 | 12.5       | 30.0 | 2.0 | 4.0                                         | 2.0 | 9.6  | 11.2 | 14.2 |
| 40                | 1 1/2 | 49.2                   | 41.6                                  | 34.7 | 28.7                                | ...               | 6.35  | 5.54              | 8.92  | 7.80              | 12.70       | 11.12             | 5.08                   | 7.14                          | 10.15 | 12.5        | 32.0             | 38.0 | 38.0 | 20.5           | 25.5 | 25.5 | 12.5       | 32.0 | 2.0 | 4.0                                         | 2.0 | 11.2 | 12.7 | 15.7 |
| 50                | 2     | 61.7                   | 53.3                                  | 43.6 | 38.9                                | ...               | 6.93  | 6.04              | 10.92 | 9.50              | 13.84       | 12.12             | 5.54                   | 8.74                          | 11.07 | 16.0        | 38.0             | 41.0 | 54.0 | 25.5           | 28.5 | 28.5 | 19.0       | 41.0 | 2.0 | 4.0                                         | 2.0 | 12.7 | 15.7 | 19.0 |
| 65                | 2 1/2 | 74.4                   | 64.2                                  | ...  | ...                                 | ...               | 8.76  | 7.67              | ...   | ...               | ...         | ...               | 7.01                   | ...                           | ...   | 16.0        | 41.0             | ...  | ...  | 28.5           | ...  | ...  | 19.0       | 43.0 | 2.5 | 5.0                                         | 2.5 | 15.7 | 19.0 | ...  |
| 80                | 3     | 90.3                   | 79.4                                  | ...  | ...                                 | ...               | 9.52  | 8.30              | ...   | ...               | ...         | ...               | 7.62                   | ...                           | ...   | 16.0        | 57.0             | ...  | ...  | 32.0           | ...  | ...  | 19.0       | 44.5 | 2.5 | 5.0                                         | 2.5 | 19.0 | 22.4 | ...  |
| 100               | 4     | 115.7                  | 103.8                                 | ...  | ...                                 | ...               | 10.69 | 9.35              | ...   | ...               | ...         | ...               | 8.56                   | ...                           | ...   | 19.0        | 66.5             | ...  | ...  | 41.0           | ...  | ...  | 19.0       | 48.0 | 2.5 | 5.0                                         | 2.5 | 22.4 | 28.4 | ...  |

(1) All Dimensions Are In Millimeters

(2) Upper and lower values for each size are the respective maximum and minimum dimensions.

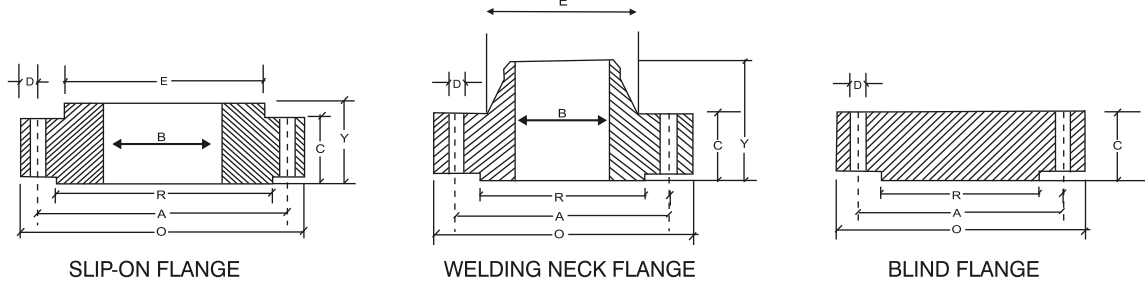
(3) Average of socket wall thickness around periphery shall be no less than listed values. The minimum values are permitted in localized areas.



# KERONE STEEL & ALLOYS

( AN ISO 9001 : 2015 CERTIFIED COMPANY )

## DIMENSIONS OF FORGED FLANGES ANSI B 16.5



## ASA 150 CLASS

| Nominal<br>Pipe<br>Size | Flange<br>Dia | Dia of<br>Bolt<br>Circle | Dia of<br>Bolt<br>Holes | No. of<br>Holes | Thk of<br>Flange | Dia of<br>Hub | Lenght through Hub |       |       | Dia of Bore |       | Dia of<br>R/F | Depth of<br>Socket | Pipe<br>Dia |
|-------------------------|---------------|--------------------------|-------------------------|-----------------|------------------|---------------|--------------------|-------|-------|-------------|-------|---------------|--------------------|-------------|
|                         |               |                          |                         |                 |                  |               | S/O & S/W          | W/N   | L/J   | S/O & S/W   | L/J   |               |                    |             |
| (MM)                    | (INCH.)       | O                        | A                       | D               | C                | E             | Y                  | Y     | Y     | B           | B     | R             | F                  | X           |
| 15                      | 1/2           | 88.9                     | 60.3                    | 15.9            | 4                | 11.1          | 15.9               | 47.6  | 15.9  | 22.3        | 22.9  | 34.9          | 9.5                | 21.33       |
| 20                      | 3/4           | 98.4                     | 69.8                    | 15.9            | 4                | 12.7          | 15.9               | 52.4  | 15.9  | 27.7        | 28.2  | 42.9          | 11.1               | 26.67       |
| 25                      | 1             | 107.9                    | 79.4                    | 15.9            | 4                | 14.3          | 17.5               | 55.6  | 17.5  | 34.5        | 35.0  | 50.8          | 12.7               | 33.40       |
| 32                      | 1 1/4         | 117.5                    | 88.9                    | 15.9            | 4                | 15.9          | 20.6               | 57.1  | 20.6  | 43.2        | 43.7  | 63.5          | 14.3               | 42.16       |
| 40                      | 1 1/2         | 127.0                    | 98.4                    | 15.9            | 4                | 17.5          | 22.2               | 61.9  | 22.2  | 49.5        | 50.0  | 73.0          | 15.9               | 48.26       |
| 50                      | 2             | 152.4                    | 120.6                   | 19.0            | 4                | 19.0          | 25.4               | 63.5  | 25.4  | 62.0        | 62.5  | 92.1          | 17.5               | 60.31       |
| 65                      | 2 1/2         | 177.8                    | 139.7                   | 19.0            | 4                | 22.2          | 28.6               | 69.8  | 28.6  | 74.7        | 75.4  | 104.8         | 19.0               | 73.02       |
| 80                      | 3             | 190.5                    | 152.4                   | 19.0            | 4                | 23.8          | 30.2               | 69.8  | 30.2  | 90.7        | 91.4  | 127.0         | 20.6               | 88.90       |
| 100                     | 4             | 228.6                    | 190.5                   | 19.0            | 8                | 23.8          | 33.3               | 76.2  | 33.3  | 116.1       | 116.8 | 157.2         | 23.8               | 114.30      |
| 125                     | 5             | 254.0                    | 215.9                   | 22.2            | 8                | 23.8          | 36.5               | 88.9  | 36.5  | 143.8       | 144.5 | 185.7         | 23.8               | 141.30      |
| 150                     | 6             | 279.4                    | 241.3                   | 22.2            | 8                | 25.4          | 39.7               | 88.9  | 39.7  | 170.7       | 171.4 | 215.9         | 27.0               | 168.27      |
| 200                     | 8             | 342.9                    | 298.4                   | 22.2            | 8                | 28.6          | 44.4               | 101.6 | 44.4  | 221.5       | 222.2 | 269.9         | 31.7               | 219.07      |
| 250                     | 10            | 406.4                    | 361.9                   | 25.4            | 12               | 30.2          | 49.2               | 101.6 | 49.2  | 276.3       | 277.4 | 323.8         | 33.3               | 273.05      |
| 300                     | 12            | 482.6                    | 431.8                   | 25.4            | 12               | 31.8          | 55.6               | 114.3 | 55.6  | 327.1       | 328.2 | 381.0         | 39.7               | 323.85      |
| 350                     | 14            | 533.4                    | 476.2                   | 28.6            | 12               | 34.9          | 57.1               | 127.0 | 79.4  | 359.1       | 360.2 | 412.7         | 41.3               | 355.60      |
| 400                     | 16            | 596.9                    | 539.7                   | 28.6            | 16               | 36.5          | 63.5               | 127.0 | 87.3  | 410.5       | 411.2 | 469.9         | 44.4               | 406.40      |
| 450                     | 18            | 635.0                    | 577.8                   | 31.7            | 16               | 39.7          | 68.3               | 139.7 | 96.8  | 461.8       | 462.3 | 533.4         | 49.2               | 457.20      |
| 500                     | 20            | 698.5                    | 635.0                   | 31.7            | 20               | 42.9          | 73.0               | 144.5 | 103.2 | 513.1       | 514.3 | 584.2         | 54.0               | 508.00      |
| 600                     | 24            | 812.8                    | 749.3                   | 34.9            | 20               | 47.6          | 82.5               | 152.4 | 111.1 | 615.9       | 615.9 | 692.1         | 63.5               | 609.60      |

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (1.6mm) Raised Face, which is included in Thickness(C) and Lenght through Hub(Y).

## ASA 300 CLASS

| Nominal<br>Pipe<br>Size | Flange<br>Dia | Dia of<br>Bolt<br>Circle | Dia of<br>Bolt<br>Holes | No. of<br>Holes | Thk of<br>Flange | Dia of<br>Hub | Lenght through Hub |       |       | Dia of Bore |       | Dia of<br>R/F | Depth of<br>Socket | Pipe<br>Dia |
|-------------------------|---------------|--------------------------|-------------------------|-----------------|------------------|---------------|--------------------|-------|-------|-------------|-------|---------------|--------------------|-------------|
|                         |               |                          |                         |                 |                  |               | S/O & S/W          | W/N   | L/J   | S/O & S/W   | L/J   |               |                    |             |
| (MM)                    | (INCH.)       | O                        | A                       | D               | C                | E             | Y                  | Y     | Y     | B           | B     | R             | F                  | X           |
| 15                      | 1/2           | 95.2                     | 66.7                    | 15.9            | 4                | 14.3          | 22.2               | 52.4  | 22.2  | 22.3        | 22.9  | 34.9          | 9.5                | 21.33       |
| 20                      | 3/4           | 117.5                    | 82.5                    | 19.0            | 4                | 15.9          | 25.4               | 57.1  | 25.4  | 27.7        | 28.2  | 42.9          | 11.1               | 26.67       |
| 25                      | 1             | 123.8                    | 88.9                    | 19.0            | 4                | 17.5          | 27.0               | 61.9  | 27.0  | 34.5        | 35.0  | 50.8          | 12.7               | 33.40       |
| 32                      | 1 1/4         | 133.3                    | 98.4                    | 19.0            | 4                | 19.0          | 27.0               | 65.1  | 27.0  | 43.2        | 43.7  | 63.5          | 14.3               | 42.16       |
| 40                      | 1 1/2         | 155.6                    | 114.3                   | 22.2            | 4                | 20.6          | 30.2               | 68.3  | 30.2  | 49.5        | 50.0  | 73.0          | 15.9               | 48.26       |
| 50                      | 2             | 165.1                    | 127.0                   | 19.0            | 8                | 22.2          | 33.3               | 69.8  | 33.3  | 62.0        | 62.5  | 92.1          | 17.5               | 60.31       |
| 65                      | 2 1/2         | 190.5                    | 149.2                   | 22.2            | 8                | 25.4          | 38.1               | 76.2  | 38.1  | 74.7        | 75.4  | 104.8         | 19.0               | 73.02       |
| 80                      | 3             | 209.5                    | 168.3                   | 22.2            | 8                | 28.6          | 42.9               | 79.4  | 42.9  | 90.7        | 91.4  | 127.0         | 20.6               | 88.90       |
| 100                     | 4             | 254.0                    | 200.0                   | 22.2            | 8                | 31.8          | 47.6               | 85.7  | 47.6  | 116.1       | 116.8 | 157.2         | 23.8               | 114.30      |
| 125                     | 5             | 279.4                    | 234.9                   | 22.2            | 8                | 34.9          | 50.8               | 98.4  | 50.8  | 143.8       | 144.5 | 185.7         | -                  | 141.30      |
| 150                     | 6             | 317.5                    | 269.9                   | 22.2            | 12               | 36.5          | 52.4               | 98.4  | 52.4  | 170.7       | 171.4 | 215.9         | -                  | 168.27      |
| 200                     | 8             | 381.0                    | 330.2                   | 25.4            | 12               | 41.3          | 61.9               | 111.1 | 61.9  | 221.5       | 222.2 | 269.9         | -                  | 219.07      |
| 250                     | 10            | 444.5                    | 387.3                   | 28.6            | 16               | 47.6          | 66.7               | 117.5 | 95.2  | 276.3       | 277.4 | 323.8         | -                  | 273.05      |
| 300                     | 12            | 520.7                    | 450.8                   | 31.7            | 16               | 50.8          | 73.0               | 130.2 | 101.6 | 327.1       | 328.2 | 381.0         | -                  | 323.85      |
| 350                     | 14            | 584.2                    | 514.3                   | 31.7            | 20               | 54.0          | 76.2               | 142.9 | 111.1 | 359.1       | 360.2 | 412.7         | -                  | 355.60      |
| 400                     | 16            | 647.7                    | 571.5                   | 34.9            | 20               | 57.2          | 82.5               | 146.0 | 120.6 | 410.5       | 411.2 | 469.9         | -                  | 406.40      |
| 450                     | 18            | 711.2                    | 628.5                   | 34.9            | 24               | 60.3          | 88.9               | 158.7 | 130.2 | 461.8       | 462.3 | 533.4         | -                  | 457.20      |
| 500                     | 20            | 774.7                    | 685.8                   | 34.9            | 24               | 63.5          | 95.2               | 161.9 | 139.7 | 513.1       | 514.3 | 584.2         | -                  | 508.00      |
| 600                     | 24            | 914.4                    | 812.8                   | 41.3            | 24               | 69.8          | 106.4              | 168.3 | 152.4 | 615.9       | 615.9 | 692.1         | -                  | 609.60      |

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (1.6mm) Raised Face, which is included in Thickness(C) and Lenght through Hub(Y).



# KERONE STEEL & ALLOYS

( AN ISO 9001 : 2015 CERTIFIED COMPANY )

## STAINLESS STEEL PIPE DIMENSION AS PER ASTM AND WEIGHT-KG. PER MTR. (ANSI B 36.19-1965)

| Nominal Bore |       | Outside Diameter | Schedule 5S |                | Schedule 10S |                | Schedule 20S |                | Schedule 40S |                | Schedule 80S |                | Schedule 160S |                | Schedule XXS |                |
|--------------|-------|------------------|-------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|---------------|----------------|--------------|----------------|
| mm           | Inch  | Inch             | Wt mm       | Weight (Kg/mt) | Wt mm        | Weight (Kg/mt) | Wt mm        | Weight (Kg/mt) | Wt mm        | Weight (Kg/mt) | Wt mm        | Weight (Kg/mt) | Wt mm         | Weight (Kg/mt) | Wt mm        | Weight (Kg/mt) |
| 3            | 1/8   | 10.3             | 1.2         | 0.26           | 1.24         | 0.28           | 1.5          | 0.33           | 1.73         | 0.37           | 2.41         | 0.47           | -             | -              | -            | -              |
| 6            | 1/4   | 13.7             | 1.2         | 0.37           | 1.65         | 0.49           | 2.00         | 0.58           | 2.24         | 0.63           | 3.02         | 0.80           | -             | -              | -            | -              |
| 10           | 3/8   | 17.1             | 1.2         | 0.47           | 1.65         | 0.63           | 2.00         | 0.74           | 2.31         | 0.84           | 3.20         | 1.10           | -             | -              | -            | -              |
| 15           | 1/2   | 21.3             | 1.65        | 0.80           | 2.11         | 1.00           | 2.30         | 1.07           | 2.77         | 1.27           | 3.73         | 1.62           | 4.78          | 1.94           | 7.47         | 2.55           |
| 20           | 3/4   | 26.7             | 1.65        | 1.02           | 2.11         | 1.28           | 2.55         | 1.52           | 2.87         | 1.69           | 3.91         | 2.20           | 5.56          | 2.90           | 7.82         | 3.64           |
| 25           | 1     | 33.4             | 1.65        | 1.30           | 2.77         | 2.09           | 3.00         | 2.25           | 3.38         | 2.50           | 4.55         | 3.24           | 6.35          | 4.24           | 9.09         | 5.45           |
| 32           | 1.1/4 | 42.2             | 1.65        | 1.65           | 2.77         | 2.70           | 3.0          | 2.90           | 3.58         | 3.39           | 4.85         | 4.47           | 6.35          | 5.61           | 9.70         | 7.77           |
| 40           | 1.1/2 | 48.3             | 1.65        | 1.91           | 2.77         | 3.11           | 3.00         | 3.35           | 3.68         | 4.05           | 5.08         | 5.41           | 7.14          | 7.25           | 10.15        | 9.55           |
| 50           | 2     | 60.3             | 1.65        | 2.39           | 2.77         | 3.93           | 3.00         | 4.24           | 3.91         | 5.44           | 5.54         | 7.48           | 8.74          | 11.11          | 11.07        | 13.44          |
| 65           | 2.1/2 | 73.0             | 2.11        | 3.69           | 3.05         | 5.26           | 4.00         | 6.81           | 5.16         | 8.63           | 7.01         | 11.41          | 9.53          | 14.91          | 14.02        | 20.39          |
| 80           | 3     | 88.9             | 2.11        | 4.51           | 3.05         | 6.45           | 4.00         | 8.37           | 5.49         | 11.29          | 7.62         | 15.27          | 11.10         | 21.30          | 15.24        | 27.68          |
| 100          | 4     | 114.3            | 2.11        | 5.84           | 3.05         | 8.36           | 4.50         | 12.18          | 6.02         | 16.07          | 8.56         | 22.32          | 13.49         | 33.54          | 17.12        | 41.03          |
| 125          | 5     | 141.3            | 2.77        | 9.47           | 3.40         | 11.57          | 5.00         | 16.80          | 6.55         | 21.80          | 9.53         | 30.97          | 15.88         | 49.11          | 19.05        | 57.43          |
| 150          | 6     | 168.3            | 2.77        | 11.32          | 3.40         | 13.82          | 6.35         | 25.36          | 7.11         | 28.26          | 10.97        | 42.58          | 18.25         | 67.53          | 21.95        | 79.22          |
| 200          | 8     | 219.1            | 2.77        | 14.78          | 3.76         | 19.96          | 6.35         | 33.31          | 8.18         | 42.55          | 12.70        | 64.64          | 23.01         | 111.27         | 22.23        | 107.92         |
| 250          | 10    | 273.1            | 3.40        | 22.61          | 4.19         | 27.78          | 6.35         | 41.77          | 8.27         | 60.31          | 12.70        | 81.55          | 28.58         | 172.33         | 25.40        | 155.15         |
| 300          | 12    | 323.8            | 3.96        | 31.24          | 4.57         | 36.00          | 6.35         | 49.70          | 9.53         | 73.85          | 12.70        | 97.43          | 33.32         | 238.68         | 25.40        | 186.90         |
| 350          | 14    | 355.6            | 3.96        | 34.34          | 4.76         | 41.3           | 7.92         | 67.90          | 9.53         | 82.367         |              |                |               |                |              |                |
| 400          | 16    | 406.4            | 4.19        | 41.56          | 4.78         | 47.34          | 7.92         | 77.83          | 9.53         | 94.457         |              |                |               |                |              |                |
| 450          | 18    | 457.2            | 4.19        | 46.81          | 4.76         | 53.32          | 7.92         | 87.74          | 9.53         | 106.547        |              |                |               |                |              |                |
| 500          | 20    | 508.0            | 4.78        | 59.31          | 5.54         | 68.64          | 9.53         | 117.14         | 9.53         | 117.14         |              |                |               |                |              |                |
| 600          | 24    | 610.0            | 5.54        | 82.57          | 6.35         | 94.52          | 9.53         | 114.11         | 9.53         | 141.11         |              |                |               |                |              |                |
| 650          | 26    | 660.4            |             |                |              |                | 12.70        | 205.97         | 9.53         | 155.32         | 12.70        | 222.13         |               |                |              |                |
| 700          | 28    | 711.2            |             |                |              |                | 12.70        | 222.13         | 9.53         | 167.44         | 12.70        | 238.28         |               |                |              |                |
| 750          | 30    | 762.0            | 6.35        | 120.15         | 7.92         | 149.55         | 12.70        | 238.28         | 9.53         | 179.56         | 12.70        | 254.44         |               |                |              |                |
| 800          | 32    | 812.8            |             |                |              |                | 12.70        | 254.44         | 9.53         | 191.69         | 12.70        | 270.50         |               |                |              |                |



# KERONE STEEL & ALLOYS

( AN ISO 9001 : 2015 CERTIFIED COMPANY )



90 Elbow



45 Elbow



U Bend



Cap Long



Stubend



Tee



Con.Reducer



Ecc. Reducer



Short Stubend

**FORGED / SOCKET WELD / SCREWED FITTINGS TO ANSI B16.11 THREADED TO ASA B2.1  
2000 LBS / 3000 LBS SERIES / 6000 LBS SERIES**



90 Elbow



Tee



45 Elbow



Cross Tee



Half / Full Coupling BSP/NPT

## SCREWED FITTINGS BSP / NPT



Union



Plug Nipple



Barrel Nipple



Coupling



45 Bend Plain

90 Bend Plain



Bushing



Hose Nipple

Cross Tee Plain



BSP Bend

## PIPE FITTINGS & FLANGES



- FIRE ,MEP,EPC & TOTAL TRUNKEY PROJECTS
- ACID & CHEMICAL INDUSTRIES
- AUTOMOBILE INDUSTRIES
- BEVERAGE INDUSTRIES
- CEMENT INDUSTRIES
- ELECTRIC & ELECTRONIC INDUSTRIES
- FOOD INDUSTRIES
- OIL & GAS INDUSTRIES
- PAPER & PULP INDUSTRIES
- PHARMACY INDUSTRIES
- POWER PLANT
- REFINERY PLANTS
- SUGAR INDUSTRIES
- TEXTILE INDUSTRIES
- WATER PIPING SYSTEMS
- WIND POWER PLANT, ETC.

### Manufacturer Stockiest Distributor

- Carbon Steel
- Stainless Steel
- Pipe Fitting,
- Forged Fitting
- Flanges
- All Fire Fittings



# KERONE STEEL & ALLOYS

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