



# ZAHRAT AL ARAB TRADING SERVICES CO LTD

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## ABOUT US

# ZAHRAT AL ARAB TRADING SERVICES CO LTD

ZAHRAT AL ARAB was founded on distinctive standards and profound expertise, driven by its visionary approach to construction. Our commitment to delivering services of the utmost quality and craftsmanship has been unwavering. To this end, we continually evolve, refining our systems, policies, and strategic frameworks. These efforts actively contribute to the enrichment of our society and foster the trust of our clients. Central to our ethos are the principles of credibility, professionalism, and unwavering commitment

In the Kingdom of Saudi Arabia, ZAHRAT AL ARAB stands as a pinnacle in the construction industry, boasting extensive experience and a stellar reputation. Our company prides itself on possessing a remarkable team of experts in management, poised to address the burgeoning demand for advisory services in the urban market. We blend global perspectives with local insights to deliver optimal solutions.

The seasoned professionals at ZAHRAT AL ARAB continually refine their skills to cater to the diverse needs of our clients, earning accolades in the construction sector for our unwavering dedication to excellence. Through the execution of various projects, we have emerged as leaders in contracting throughout the Kingdom. Our management and engineering teams possess an in-depth understanding of market dynamics, blending practical knowledge with academic rigor and extensive field experience.

## OUR VISION

We aim to be a unique kingdom-level company, leading projects with scientific methodology and strategic investments. Our goal is to pioneer the global market with engineering excellence, adhering to best practices in governance and transparency. Striving for leadership in construction and sustainable development, we specialize in providing innovative solutions and top-quality urban products. Our commitment is to meet clients' needs with expertise and creativity, setting the standard for excellence in the industry.



## OUR MISSION

Our company is working on the execution of construction projects with the highest international standards, providing the best services and marketing distinctive development ideas in all economic sectors and transforming them into projects with developmental dimensions.

We focus on what we achieved by leveraging our sources, and through our comprehensive understanding of market requirements and working together with the client, so we are able to provide comprehensive solutions in our field.

Work to stimulate the sustained growth of our business.

To effectively contribute to the fulfilment of the needs and aspirations of our society by providing the best services and urban products in accordance with a unique innovative concept of a professional team of professionals.

Employing the accumulated experience of the company since its inception, its market value and client's constant trust.

ZAHRA AL ARAB seeks to create and adopt advanced construction ideas and products that keep pace with the expectations of clients and allies to achieve the optimum return by focusing on a structure that always works on innovation and continuous development.

## OUR QUALITY

The quality factor is confirmed at ZAHRA AL ARAB, as every employee at our company is eager to stick to the highest quality in each of the company's various activities. The company has executed number of massive projects using the latest international technologies and the highest specifications and requirements in terms of quality, relying on a complete and highly qualified team dedicated to follow the application of quality standards. The company implements the comprehensive quality system in its implementation of all business.

## OUR VALUES AND PRINCIPLES

- ▶ We aim for sustainable innovation in construction and infrastructure, prioritizing creative solutions aligned with cutting-edge science and engineering, and committing to effective partnerships for success and satisfaction
- ▶ Transparency, trust and credibility with Clients, subcon- tractors, and allies in engineering projects in the region.
- ▶ Client satisfaction is paramount, with a focus on high professional standards, credibility, honesty, transparency, innovation, efficiency, and staff skill development.
- ▶ We work on creating a unique value every day, and we pledge to be better each year than bef



**AWAID FUHAID ALBESHRY**  
(CEO & FOUNDER)

## CEO MESSAGE

We have crossed the odds and achieved successes after success until we reached the fore- front of the elite of companies in the kingdom, we did not spare any effort to keep our position in the forefront. The kingdom has ac- companied economic development through modern and sophisticated methods that have helped to attract investors and increase the economic activity in the country, so we have been eager to continuously develop to raise the efficiency of the company with the policies and strategic plans we aspire.

Since we started in Zahra Al Arab to practice our business and reputation grows among our customers as one of the most prominent companies in the kingdom. The quality of performance on all levels and the satisfaction that we feel from our clients are the basis of our success and proud to stand behind it. Our team works in one spirit, each one of them has a strong sense of responsibility and a power to offer the best efforts they can.

# Material List

- ▶ **Steel structural material**
- ▶ **Pipe**
- ▶ **Flanges**
- ▶ **Valve**
- ▶ **Link Seal & Wall sleeve**
- ▶ **HDPE & GRP Insulation Materials**

# STEEL STRUCTURAL MATERIAL



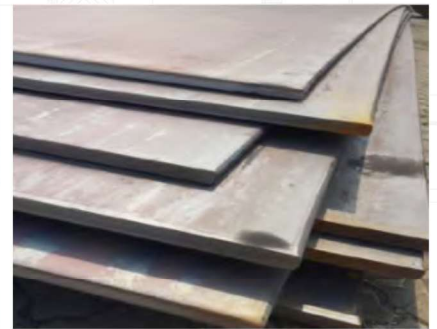
# Carbon steel plate

## Product features

1. Good hardness and wear resistance
2. Good machinability
3. Easy to production



## Technical parameters



## Application field

“Mainly used in buildings, bridges, vehicles and other general structures and manufacturing various parts, etc.”



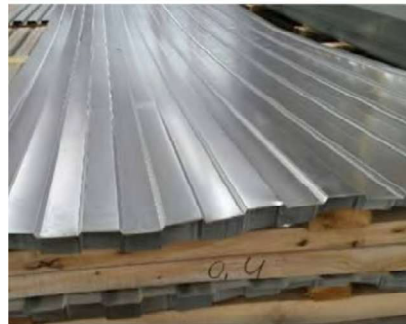
## Technical parameters

<b>Model number</b>	800*800mm、1000*2000mm、1500*6000mm、1800*6000mm、2000*6000mm、2000*8000mm、 etc.
<b>Width</b>	450-4800mm
<b>Thickness</b>	3-200mm
<b>Length</b>	800-25000mm or as required
<b>Material</b>	Q195/Q215/Q2358/Q345B/S235JR S355JR/SS400,etcEH32, EH36, CC, CCS-A, CCS-B, etc.

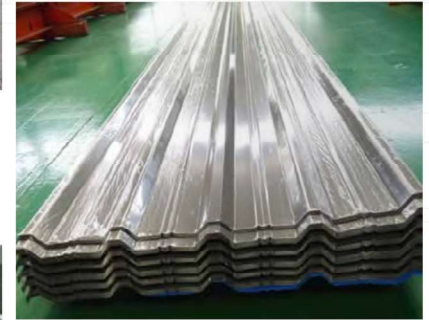
# Corrugated Board

## Product features

1. Good hardness and wear resistance
2. Good cutting performance
3. Out of shape not easily



## Technical parameters



## Application field

Building materials, chemical industry, mining metallurgy, electric power, grain and oil processing, machinery, transportation, ports and transportation.

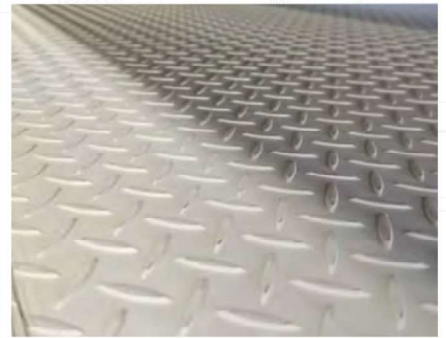
## Technical parameters

<b>Grade</b>	Q195 Q235 Q235B Q195A Q215A or as required
<b>Width</b>	Customized
<b>Thickness</b>	Customized
<b>Certificate</b>	ISO9001, CE, MTC, etc
<b>Processing Service</b>	Welding, Punching, Cutting, Bending, Decoiling, Customized

# Checkered steel sheet

## Product features

1. Prevent slippery wear-resisting
2. Fine craft
3. High quality raw materials



## Technical parameters

## Application field

Used in shipbuilding, boiler, automobile, tractor, railway car and construction industries.

## Technical parameters

<b>Length</b>	2000-12000mm ( Increase in turn by 100mm)
<b>Width</b>	600-1800mm ( Increase in turn by 50mm) commonly used width: 1260mm, 1500mm, etc.
<b>Thickness</b>	2.5mm, 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm, 5.5mm, 6.0mm, 7.0mm, etc.
<b>Pattern shape</b>	Lentil-shaped, diamond-shaped, round bean-shaped, Lentil-shaped round bean-shaped mixed shape
<b>Material</b>	Q195, Q215, Q235, Q235B, Q255, Q275, SS400, 45#, etc.

# Carbon steel square tube

## Technical parameters

### Product features

1. Good quality, Lighter weight
2. Low cost, All qualified
3. The price is low, The delivery in time



### Application field

City construction, ship engineering, bridge engineering, commercial construction.

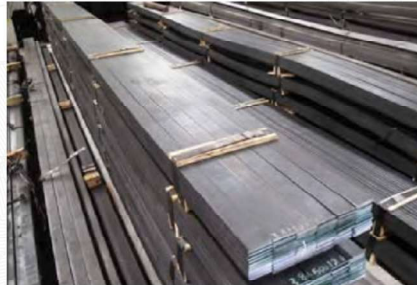
## Technical parameters

<b>Material Grade</b>	Mild steel pipe: Q195、Q215、Q235、SS400、20#、45#、etc. Low-alloy pipe: Q345、16Mn、Q390、ST52-3、etc.
<b>Wall thickness</b>	seamless pipe: 2-16mm / welded pipe: 0.4-14mm
<b>Specification</b>	welded pipe: 10*10--500*500mm, 10*20--300*500mm seamless pipe: 20*20--400*400mm, 10*20-250*400mm
<b>Length</b>	1-12m
<b>Processing Service</b>	Bending, Welding, Punching, Cutting

# Flat steel

## Product features

1. Good quality, Low cost
2. Custom production
3. Reduce the processing loss of raw materials



## Technical parameters



## Application field

Used for components, escalators, Bridges and fences



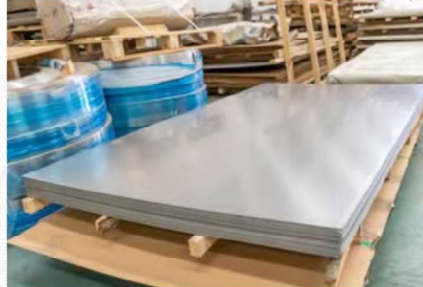
## Technical parameters

<b>Material Grade</b>	Q235, Q345, Q195, 50CrV, 60Si2Mn, LPD55, etc.
<b>Width</b>	12-300mm, 150-625mm, or as required
<b>Thickness</b>	3-60mm or as required
<b>Length</b>	5-15m or as required
<b>Type</b>	Hot rolled, cold drawn

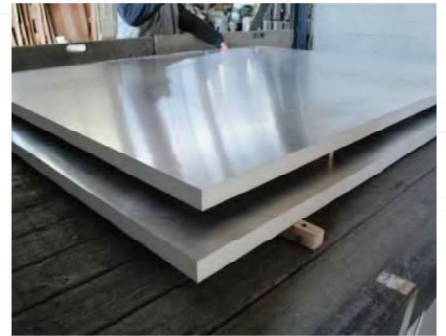
# Stainless steel plate

## Product features

1. Corrosion resistance
2. antioxidation
3. Bending machining
4. High temperature resistance
5. Easy to process
6. welding site toughness



## Technical parameters



## Application field

Bridge steel plate, boiler steel plate, shipbuilding steel plate, armor steel plate, automobile steel plate, roof steel plate, structural steel

## Technical parameters

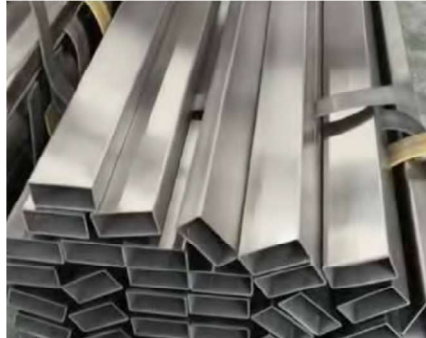
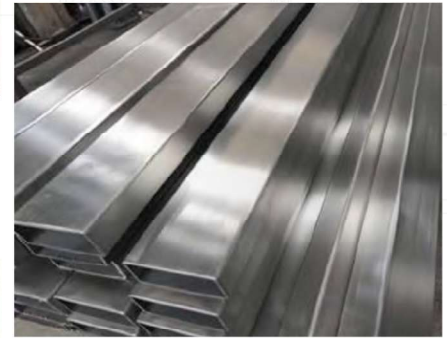
<b>Standard</b>	GB, ASTM, JIS, EN, etc. JIS G4304-2005, GB/T3280-2009, GB/T4237-2009.
<b>Grade</b>	200 series, 300 series, 400 series. 201 304, 304L, 316, 316L, 321 409, 430
<b>Surface</b>	2B, 2D, BA, 8K, HL, NO.1, NO.3, NO.4, NO.7. NO.8, NO.240, NO.320, NO.400
<b>Width</b>	1000mm-3000mm or as required
<b>Technology</b>	hot rolled, cold rolled.

# Stainless steel square tube

## Technical parameters

### Product features

1. With protective maintenance rust layer to resist gas corrosion
2. Thin-walled and new reliable
3. Superior quality, health and environmental protection



### Application field

Conveying pipes, construction (staircase handrails, window guards, railings, etc.), manufacture of mechanical parts and engineering structures.

## Technical parameters

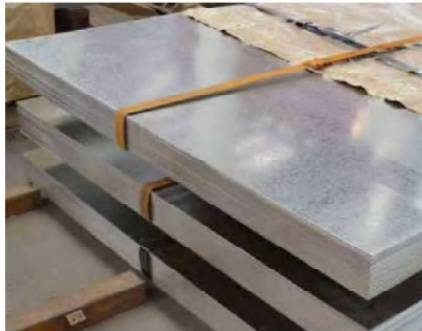
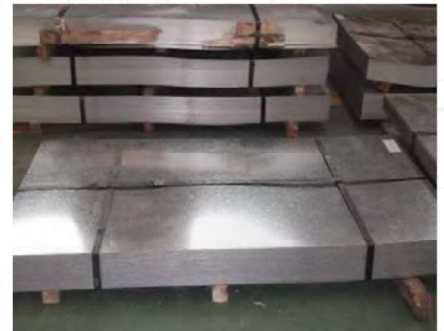
<b>Standard</b>	ASTM, AiSi, ASTM, bs, DIN, GB, JIS
<b>Technology</b>	Hot rolled, cold drawn, annealed, grinding
<b>Grade</b>	200 series, 300 series, 400 series 304, 304L, 316, 316L, 316Ti, 321, 310S, TP304, TP316L, 347H
<b>Wall thickness</b>	square pipe: 0.4-8mm or as required rectangular pipe: 0.4-10mm or as required
<b>Surface treatment</b>	Oil, Passivation, Chromated, Skin-passed, Anti-Pinger Print

# Galvanized sheet plain sheet

## Technical parameters

### Product features

1. Strong resistance to oxidation
2. Corrosion resistance
3. Long-lasting and durable



### Application field

Construction and light industry, home appliances, automotive industry, etc.

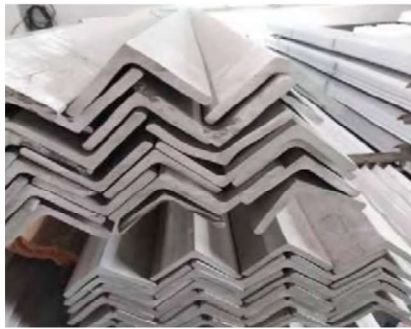
## Technical parameters

<b>Standard</b>	AISI, ASTM, GB, EN, JIS, DIN. JIS G 3302, JFS A 3011, EN 10130-2006
<b>Material</b>	DX51D+Z, DX53D+Z, SPCC, SGCC, S280GD+Z, S350GD+Z, etc.
<b>Zinc layer</b>	Z30-275g/m <sup>2</sup> , A40 A60 G60 G90 G115 G140 G165 G185 G210
<b>Specification</b>	710x1420mm, 750x750mm, 750x1500mm, 750x1800mm, 800x800mm, 800x1200mm, 800x1600mm, 850x1700mm, 900x900mm, 900x1800mm, etc.
<b>Thickness</b>	0.35-3.2mm or as required

# Steel angle bar

## Product features

1. Good corrosion resistance in water
2. Inner wall lubrication
3. No dirt
4. No bacterial contamination
5. Reduce pressure losses
6. Chromium oxide film



## Technical parameters



## Application field

Suitable for all kinds of construction and engineering structure, such as beam, bridge, transmission tower, crane, ship, industrial furnace, reaction tower, container frame, cable trench support, power distribution pipe, bus support installation, etc.

## Technical parameters

<b>Standard</b>	AISI, ASTM, GB, EN, JIS, DIN. GB/T2101-2008, JISG3192-94, DIN17100-80
<b>Material</b>	Q235A, Q235B, Q345A, Q345B 200/300/400 series, etc.
<b>Length</b>	6m, 3~9m, 4~12m, 4~19m, 6~19m, or as required
<b>Type</b>	equal, unequal angle steel.
<b>Side thickness</b>	Equal: 3-24mm /Unequal: 3-18mm

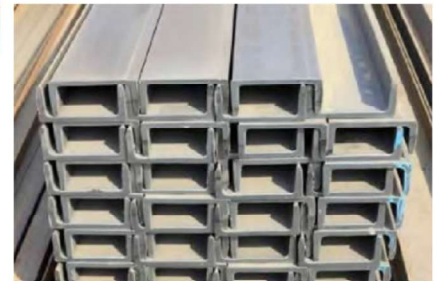
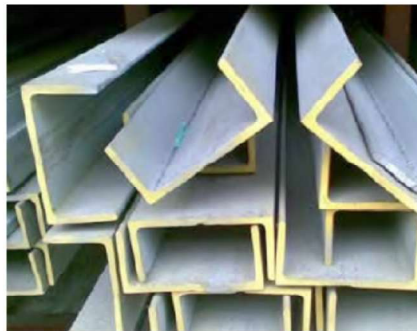
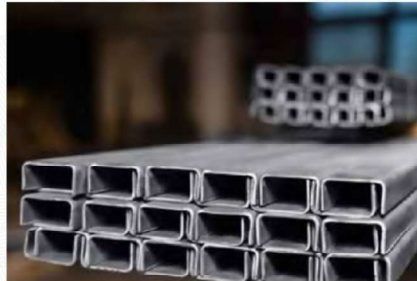
# Steel U Channel

## Product features

1. More balanced, and the internal stress is small
2. 30-40% It can reduce the construction structure by 30-40%
3. Suitable economy, good mechanical ability

## Application field

Mainly used in building structure, curtain wall engineering, mechanical equipment and vehicle manufacturing. It can also be used in engineering, plant setting, mechanical setting, Bridges, highways, kerosene drilling platforms and so on.



## Technical parameters

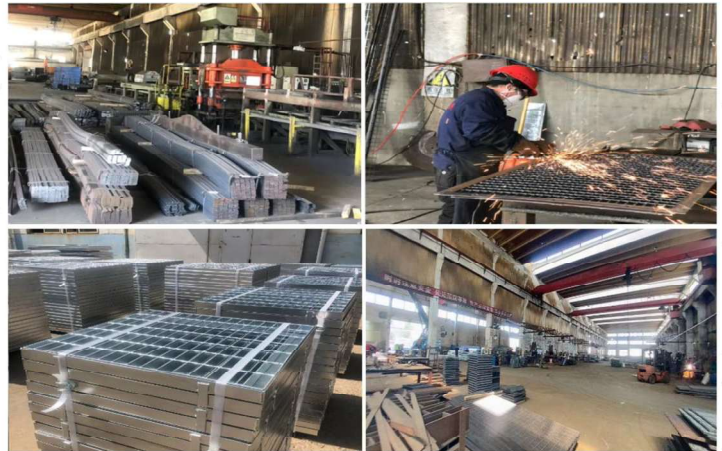
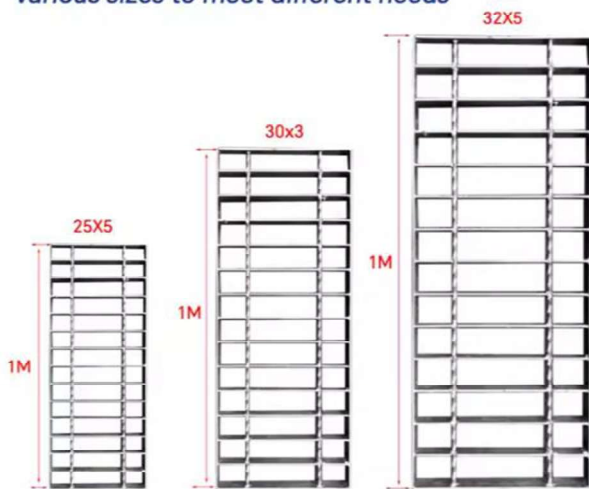
## Technical parameters

<b>Length</b>	6m, 9m, 5 -12m, 5 -19m, 6 -19m or as required
<b>Material</b>	Q235A, Q235B, Q345A, Q345B, A36, S235JR, S275J2, S355J0, S355J2, S355JR, 200/300/400 series, etc.
<b>Model number</b>	5#-40#, UPN50-UPN400, UPE80-400 Customized size: 6.5#-30#
<b>Web thickness</b>	4.3-14.5mm, 4-14mm, 4-13.5mm
<b>Flange width</b>	37-104mm, 20-110mm, 50-115mm

# Steel grating

## Product features

Size can be customized  
various sizes to meet different needs



## Technical parameters

<b>Our Products</b>	Metal Steel Grating/Steel Drainage Cover/Steel Grating Stair Treads
<b>Length</b>	1000~6000mm
<b>Thread size</b>	Customized other Thickness:3-10mm
<b>Standard</b>	ASTM, AISI, GB, JIS, EN, DIN
<b>Material</b>	Metal Steel Grating/Steel Drainage Cover/Steel Grating Stair Treads Other

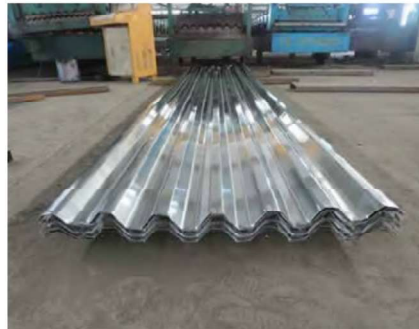
# Galvanized corrugated sheet

## Product features

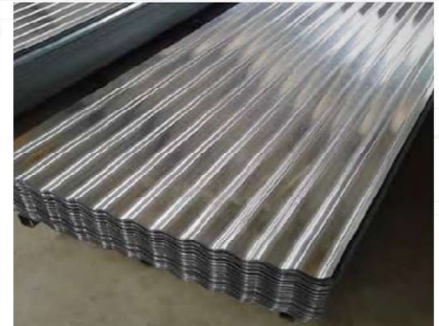
1. Corrosion resistance
2. High temperature resistance and oxidation resistance
3. Machinable

## Application field

Machinery, cars, bicycles, furniture, Building, roof, Plant, warehouse, workshop.



## Technical parameters



## Technical parameters

<b>Standard</b>	AISI, ASTM, GB, EN, JIS, DIN.
<b>Material</b>	DX51D+Z, DX52D+Z, DX53D+Z, SGCC, etc.
<b>Classification</b>	Roof panels, wall panels, Boor joists and ceiling panels, etc.
<b>Zinc layer</b>	z30-275g/m <sup>2</sup>
<b>Model number</b>	YX30-245-980, YX35-238-950, YX38-300-900, YX25-250-1000, YX63-475, etc.

# Galvanized square pipe

## Technical parameters

### Product features

1. Corrosion resistance
2. Rustproof
3. Long service life



### Application field

Mainly used in curtain wall, construction, machinery manufacturing, steel construction projects, shipbuilding, solar power generation bracket, steel structure engineering, power engineering, power plant, agricultural and chemical machinery.



## Technical parameters

<b>Standard</b>	AISI, ASTM, GB, EN, JIS, DIN
<b>Shape</b>	square pipe, rectangular pipe
<b>Length</b>	6m or as required
<b>Specification</b>	square pipe: 16*16-500*500mm / rectangular pipe: 10*20-800*1000mm
<b>Wall thickness</b>	square pipe: 0.4-14mm or as required / rectangular pipe: 1.5-28mm or as required.

# Steel I Beam

## Product features

1. easy to cut, welding
2. Aging resistance
3. Aging resistance
4. convenient and rapid
5. With insulation
6. magnetic permeability



## Technical parameters



## Application field

Building, bridge, power station, oil drilling platform, vehicle, highway, subway, steel structure workshop and large storage, etc.

## Technical parameters

<b>Standard</b>	AISI, ASTM, GB, EN, JIS, DIN. GB/T 706-2016
<b>Web height</b>	100-630mm, 80-600mm
<b>Flange width</b>	68-180mm, 46-220mm
<b>Type</b>	Hot rolled I-beam, light I-beam, wide parallel leg I-beam (H-beam)
<b>Material</b>	Q235A, Q2335B, Q345A, Q345B S235JR, S275J0, S275J2, S355J0, S355J2, S460, etc.

# Steel H Beam

## Product features

1. High strength
2. Good plasticity and flexibility
3. Very high stability
4. Light weight
5. fire retardant
6. insulation and heat insulation



## Technical parameters



## Application field

All kinds of civil and industrial building structures, large bearing capacity, good section stability, large span bridge; Heavy equipment; A highway; Ship frame; Mine support; Foundation treatment and dam works.

## Technical parameters

<b>Standard</b>	AISI, ASTM, GB, EN, JIS, DIN.
<b>Web height</b>	100-912mm, 96-1000mm
<b>Flange width</b>	50-302mm, 100-300mm
<b>Type</b>	wide flange (HW), medium flange (HM) , narrow flange (HN)
<b>Material</b>	Q235A, Q235B, Q345A, Q345B, HM490 S235JR, S275J0, S275J2, S355J0, S355J2, S460, etc

# PIPES



## Outer diameter and wall thickness of steel pipes

Nominal Diameter (DN)		Outside Diameter (OD)			Nominal Wall Thickness														
A	B	ASME美	JIS日	DIN德	日标	德标	SCH10	SCH20	SCH30	STD	SCH40	SCH60	XS	SCH80	SCH100	SCH120	SCH140	SCH160	XXS
15	1/2"	21.3	21.7	21.3	2.8	2	2.11		2.41	2.77	2.77		3.73	3.73				4.78	7.47
20	3/4"	26.7	27.2	26.9	2.8	2.3	2.11		2.41	2.87	2.87		3.91	3.91				5.56	7.82
25	1"	33.4	34	33.7	3.2	2.6	2.77		2.9	3.38	3.38		4.55	4.55				6.35	9.09
32	1 1/4"	42.2	42.7	42.4	3.5	2.6	2.77		2.97	3.56	3.56		4.85	4.85				6.35	9.7
40	1 1/2"	48.3	48.6	48.3	3.5	2.6	2.77		3.18	3.68	3.68		5.08	5.08				7.14	10.15
50	2"	60.3	60.5	60.3	3.8	2.9	2.77		3.18	3.91	3.91		5.54	5.54				8.74	11.07
65	2 1/2"	73	76.3	76.1	4.2	2.9	3.05		4.78	5.16	5.16		7.01	7.01				9.53	14.02
80	3"	88.9	89.1	88.9	4.2	3.2	3.05		4.78	5.49	5.49		7.62	7.62				11.13	15.24
90	3 1/2"	101.6	101.6		4.2		3.05		4.78	5.74	5.74		8.08	8.08					
100	4"	114.3	114.3	114.3	4.5	3.6	3.05		4.78	6.02	6.02		8.56	8.56		11.13		13.49	17.12
125	5"	141.3	139.8	139.7	4.5	4	3.4			6.55	6.55		9.53	9.53		12.7		15.88	19.05
150	6"	168.3	165.2	168.3	5	4.5	3.4			7.11	7.11		10.97	10.97		14.27		18.26	21.95
200	8"	219.1	216.3	219.1	5.8	6.3	3.76	6.35	7.04	8.18	8.18	10.31	12.7	12.7	15.09	18.26	20.62	23.01	22.23
250	10"	273	267.4	273	6.6	6.3	4.19	6.35	7.8	9.27	9.27	12.7	12.7	15.09	18.26	21.44	25.4	28.58	25.4
300	12"	323.8	318.5	323.9	6.9	7.1	4.57	6.35	8.38	9.53	9.53	10.31	14.27	12.7	17.48	21.44	25.4	28.58	33.82
350	14"	355.6	355.6	355.6	7.9	8	6.35	7.92	9.53	9.53	11.13	15.09	12.7	19.05	23.83	27.79	31.75	35.71	
400	16"	406.4	406.4	406.4	7.9	8.8	6.35	7.92	9.53	9.53	12.7	16.66	12.7	21.44	26.19	30.96	36.53	40.49	
450	18"	457.2	457.2	457	7.9	10	6.35	7.92	11.13	9.53	14.27	19.05	12.7	23.83	39.36	34.93	39.67	45.24	
500	20"	508	508	508		11	6.35	9.53	12.7	9.53	15.09	20.62	12.7	26.13	32.54	38.1	44.45	50.01	
550	22"	558.8	558.8				6.35	9.53	12.7	9.53		22.23	12.7	28.58	34.93	41.28	47.63	53.98	
600	24"	609.6	609.6	610		12.5	6.35	9.53	14.27	9.53	17.48	24.61	12.7	30.96	38.89	46.02	52.37	59.54	
650	26"	660.4	660.4				7.92	12.7		9.53			12.7						
700	28"	711.2	711.2	711		12.5	7.92	12.7	15.88	9.53			12.7						
750	30"	762	762				7.92	12.7	15.88	9.53			12.7						
800	32"	812.8	812.8	813		12.5	7.92	12.7	15.88	9.53	17.48		12.7						
850	34"	863.6	863.6				7.92	12.7	15.88	9.53	17.48		12.7						
900	36"	914.4	914.4	914		12.5	7.92	12.7	15.88	9.53	19.05		12.7						
950	38"	965.2	965.2							9.53			12.7						
1000	40"	1016	1016	1016		12.5				9.53			12.7						
1050	42"	1066.8	1066.8							9.53			12.7						
1100	44"	1117.6	1117.6							9.53			12.7						
1150	46"	1168.4	1168.4							9.53			12.7						
1200	48"	1219.2	1219.2	1220						9.53			12.7						



## HOT SALE PRODUCTS

- Industrial tube
- Welded Pipe
- Seamless tube
- Galvanized pipe
- Stainless steel pipe
- Aolly pipe

## INDUSTRIAL TUBE

### Product characteristics

Corrosion resistance  
High temperature resistance  
Thermal stability  
Machinability

### Application area

Bridges, boilers, shipbuilding, armor,  
automobiles, roofing, electricians

### Standards

GB/T3091-2001,BS 1387-1985,  
DINEN 10025,EN10219,JISG3444-2004  
ASTM A53 SCH40/80STD,BS-EN10255-2004

### Outside diameter

219mm-3620mm  
219mm-3620mm or as required

### Wall thickness

0.6MM-20MM  
0.6 mmm-20 mm or as required

### Length

1m, 4m, 6m, 8m, 12m

### Material Quality

Q195, Q215, Q235, Q345, S235JR, GRB-D,  
STK500



## WELDED PIPE

### Product characteristics

Corrosion resistance  
High temperature resistance  
Thermal stability  
Machinability

### Application area

Bridges, boilers, shipbuilding, armor,  
automobiles, roofing, electricians

### Standards

GB/T3091-2001,BS 1387-1985,  
DINEN 10025,EN10219,JISG3444-2004  
ASTM A53 SCH40/80STD,BS-EN10255-2004

### Outside diameter

219mm-3620mm  
219mm-3620mm or as required

### Wall thickness

0.6MM-20MM  
0.6 mmm-20 mm or as required

### Length

1m, 4m, 6m, 8m, 12m

### Material Quality

Q195, Q215, Q235, Q345, S235JR, GRB-D,  
STK500



## SEAMLESS TUBE

### Product characteristics

Corrosion resistance  
High temperature resistance  
Thermal stability  
Machinability

### Application area

Bridges, boilers, shipbuilding, armor,  
automobiles, roofing, electricians

### Standards

API5L GrB/ASTM A106, GrB/ASTM A106  
ASTM A106, ASTM A53, API5L B ASTM A179  
ASTM A210 ANSI B36 10

### Material Quality

A53(AB)A105(AB)0345, 16Mn, 10#, 20#  
45# S235JR, S355JR, ASTM A252, Gr2 Gr3  
ST37 ST42 ST52 GrB X42 X46 X52 X5 X6 X65 X70 etc



### Wall thickness

13.7mm-1219.2mm

### Outer diameter

13.7mm-1219.2mm  
219mm-3620mm or as required

### Surface treatment

close, black, paint, oil

## GALVANIZED PIPE

### Product characteristics

Corrosion resistance  
High temperature resistance  
Thermal stability  
Machinability

### Application area

onstruction, machinery, coal, chemical,  
electricity

### Standards

API 5L, ASTM A53-2007, ASTM A671-2006  
ASTM A252-1998, ASTM A450-1996  
ASME B36, 10M-2004, ASTM A523-1996  
BS EN10296, BS 6323, BS 6363

### Material Quality

10#, 20#, 45#, 16Mn, A53(A,B)Q195, Q235,  
Q345, Q195, Q215, ST37, ST42, ST37-2, ST35-  
4, ST52, 4ST35



### Wall thickness

1mm-150mm(SCH10-XXS)  
1mm-150mm(SCH10-XXS) or as required

### Outer diameter

6mm-2500mm(3/8\*-100\*)  
6mm-2500mm(3/8\*-100\*) or as required

### Zinc coating

40-600g/m2

## STAINLESS STEEL PIPE

### Product characteristics

High precision  
high temperature oxidation resistance  
low hardness  
machinability

### Application area

Petroleum, chemical, medical, food, light industry, mechanical instrumentation

### Standards

AISI ASTM DIN JIS GBJIS SUS EN

### Wall thickness

1mm-150mm (SCH10-XXS)

### Material Quality

201,202,304,304L,316,316L,317L,347H,310s,309S,430,904L,2205,2507

### Wall thickness

6mm-2500mm (3/8"-100")

### Surface treatment

NO1,2B, Hairline,NO4,  
Acid wash finish, NO1,2B, polishing, Hairline,  
NO4, mirror



## ALLOY PIPE

### Product characteristics

Corrosion resistance  
High temperature resistance  
Thermal stability  
Machinability

### Application area

Oil, aerospace, chemical, power, boilers, military

### Classification

Monel INCONEL  
Hastelloy nickel

### Standards

API5L,ASTM A106 Gr.B,ASTM A53 Gr.B  
ASTMA179/A192/A213/A210/370WP91.WP11

### Material Quality

20w,A53B,A106B,API5L ST37.0, ST35.8, St37.2,St35.4/8, St42,St52,St52.4, STP G38,STP G42,STPT42,STB42

### Wall thickness

50mm-600mm  
50mm-600mm or as required

### Surface treatment

Black paint, varnish, antirust oil, hot dip galvanizing, cold galvanizing, 3PE

### External diameter

20mm-6000mm, 20mm-6000mm or as required



## GRADE COMPARISON OF CARBON STEEL

中国	德国	法国	国际标准	日本	瑞典	英国	美国
GB	DIN	W-Nr	NF	ISO	JIS	SS	ASTM
Q195 (A1,B1)	S185 (st33)	1.0035	S185 (A33)	HR2			A285M Gr.B S185 (140A10)
Q215A	USt34 2	1.0028	A34	HR1	SS 330 (SS34)	1370	A283M Gr.C 040A12
A215B (A2,C2)	RS134-2	1.0034	A34-2NE				A573M Gr.58
Q235A	S235JR	1.0037	S235JR	Fe 360A	SS 400 (SS41)	1311	A570 Gr.A S235JR
Q235B	S235JRG1	1.0036	S235JRG1	Fe 360D		1312	A570 Gr.D S235JRG1
Q235C	S235JRG2 (St 37-2)	1.0038	S235JRG2 (E24-2)				A283M Gr.D S235JRG2 (40B.C)
	(USt 37-2)		(E24-2NE)				
	(RSt 37-2)						
Q235D (A3,C3)							
Q255A	St44-2	1.0044	(E28-2)		SM 400A	1412	A709M Gr.36 43B
Q255D (A4,C4)					SM 400B (SM 41A) (SM 41B)		
Q275 (C5)	S275J2G3	1.0144	S275J2G3	Fe430A	SS 490	1430	S275J2G3
	S275J2G4 (St44-3N)	1.0145	S275J2G4		SS50		S275J2G4 (43D)
05F	D6-2	1.0314					015A03 1005
08F	USt4	1.0336			S9CX		≈1008
08			XC6				040A04 050A04 1008
10F	USt 13						≈1010
10	C10	1.0301	C10	S10C	1265		040A10
	Ck10	1.1121	XC10				045M10 1010
15	C15	1.0401	C12	S15C	1350		040A15
	Ck15	1.1141	XC15				080M15 1015
20	C22E	1.1151	C22E	S20C	1435		C22E
	Ck22		XC18				070M20 1020
25	C25E	1.1158	C25E	S25C			C25E
	Ck25		XC25				070M26 1025

## STAINLESS STEEL MATERIAL COMPOSITION TABLE

Grade	C	Si	Mn	P	S	Ni	Cr	Mo
201	≤0.15	≤0.75	5.5-7.5	≤0.06	≤0.03	3.5-5.5	16.0-18.0	
202	≤0.15	≤1.0	7.5-10.0	≤0.06	≤0.03	4.0-6.0	17.0-19.0	
301	≤0.15	≤1.0	≤2.0	≤0.045	≤0.03	6.0-8.0	16.0-18.0	
302	≤0.15	≤1.0	≤2.0	≤0.035	≤0.03	8.0-10.0	17.0-19.0	
304	≤0.008	≤1.0	≤2.0	≤0.045	≤0.03	8.0-10.5	18.0-20.0	
304L	≤0.03	≤1.0	≤2.0	≤0.035	≤0.03	9.0-13.0	18.0-20.0	
309S	≤0.08	≤1.0	≤2.0	≤0.045	≤0.03	12.0-15.0	22.0-24.0	
310S	≤0.08	≤1.5	≤2.0	≤0.035	≤0.03	19.0-22.0	24.0-26.0	
316	≤0.08	≤1.0	≤2.0	≤0.045	≤0.03	10.0-14.0	16.0-18.0	2.0-3.0
316L	≤0.03	≤1.0	≤2.0	≤0.045	≤0.03	12.0-15.0	16.0-18.0	2.0-3.0
321	≤0.08	≤1.0	≤2.0	≤0.015	≤0.03	9.0-13.0	17.0-19.0	
630	≤0.07	≤1.0	≤1.0	≤0.035	≤0.03	3.0-5.0	15.5-17.5	
631	≤0.09	≤1.0	≤1.0	≤0.030	≤0.035	6.50-7.75	16.0-18.0	
904L	≤2.0	≤0.045	≤1.0	≤0.035		23.0-28.0	19.0-23.0	4.0-5.0
220S	≤0.03	≤1.0	≤2.0	≤0.030	≤0.02	4.5-6.5	22.0-23.0	3.0-3.5
2507	≤0.03	≤0.8	≤1.2	≤0.035	≤0.02	6.0-8.0	24.0-26.0	3.0-5.0
2520	≤0.08	≤1.5	≤2.0	≤0.045	≤0.03	0.09-0.22	0.24-0.26	
410	≤0.15	≤1.0	≤1.0	≤0.035	≤0.03		11.5-13.5	
430	≤0.12	≤0.75	≤1.0	≤0.040	≤0.03	≤0.60	16.0-18.0	

## INTERNATIONAL STEEL PIPE MATERIAL GRADE COMPARISON

	GB	JIS	ASTM			
Carbon Steel Pipe	(Q235)	GCP STPY41	G3452 G3457	(A53 A283-D F)	(St33)	1.0033 DIN1626
	10	STPG38	G3454	A135-A A53-A	(St37)	1.0110 DIN1626
		STPG38	G3456	A106-A	St37-2	1.0112 DIN17175
		STS38	G3455		St35-8	1.0309 DIN1629/4
		STB30	G3461	A179-C A214-C	St35-8	1.0305 DIN17175
		STB33	G3461	A192 A226	St35-8	1.0305 DIN17175
	20	STB35	G3461		St35-8	1.0305 DIN17175
		STBG42	G3454	A135-B A53-B	(St42)	1.0130 1.0132 DIN1626
		STPT42	G3456	A106 B	(St45-8)	1.0405 DIN17175
		SIS42	G3461	A106-B	(St45-8)	1.0405 DIN17175
	STB42	G3455	A178-C A201-A-1	(St45-4)	1.0309 DIN1629/4	
Low Alloy Steel Pipe	16Mn	ST549 STPT49	G3455 G3456	A201-C	St52.4 St52	1.0832 1.0831 DIN1629/4 DIN1629/3
	15MnV	STBL39	G3464			
Low temperature steel pipe	16Mn	STBL39	G3460	A333-1.6	TT St35N	1.0356 SEW680
	15MnV	STBL39	G3464	A334-1.6		
	09Mn2V			A333-7.9 A334-7.9	TT St35N	1.0356 SEW680
	06AlNbCuN	STBL46 STBL	G3460 G3464	A333-3.4 A334-3.4	10Ni14	1.5637 SEW680
	20Mn23A1			A333-8 A334-8	X8Ni9	1.5662 SEW680

Heat resisting steel pipe	16Mo	STPA12 STBA12 T5	G3458 G3462	A335-P1, A369-FP1 A250 T1, A209 T1	15Mo3	1.5414	DIN17175
	12CrMo	STBA20	G3462	A335-P2, A369-FP2 A213-T2			
	15CrMo	STPA22	G3458	A335-P12, A369-PP12	13CrMo44	1.7335	DIN17175
		STBA22	G3462	A213-T12			
	12Cr1MoV	STPA23 STBA23	G3458 G3462	A335-P11, A369-FP11 A199-T11, A213-T11			
Stainless acid proof steel pipe	Gr2Mo 10MoWVNb	STPA24 STBA24	G3458 G3462	A335-P22, A369-FP22 A199-T22, A213-T22	10CrMo910	1.7380	SEW610
	Cr5Mo	STPA25 STBA25 STPA26 STBA26	G3458 G3462 G3458 G3462	A335-P5, A389-FP5 A213-T5 A335-P9, A369-FP9 A199-T9, A213-T9	12CrMo195	1.7362	DIN17175
	(1Gr13)	SUS410 TP	G3463	A268 TP410	X10Cr13	1.4006	DIN17440
(2Gr13)			(SIS1 420)	X20Cr13	1.4021	DIN17440	
(1Gr17)	SUS430 TB	G3463	A268 TP430/TP429	X8Cr17	1.4016	DIN17440	
0Cr18Ni9		SUS304 TP/TB	G3459 G3463	A312, A376, TP304 A213, A249, A268 TP304	X5CrNi189	1.4301	DIN17440
	1Cr18Ni9				X10CrNi189	1.4301	DIN17440
0Cr18Ni10Ti 1Cr18Ni9Ti		SUS321 TP/TB	G3459 G3463	A312, A376, TP321 A213, A249, A268 TP321		1.4541	DIN17440
	0Cr18Ni13Mo2Ti		SUS316 TP/TB	G3459 G3463	A312, A376, TP316 A213, A249, A268 TP316		
0Cr18Ni13Mo3Ti		SUS317 TP/TB	G3459 G3463	A312, A376, TP316 A213, A249, A268 TP317			
00Cr18Ni10		SUS304L TP/TB	G3459 G3463	A312, A376, TP34L A213, A249, A268 TP304L	X2CrNi189	1.4306	DIN17440
00Cr17Ni13Mo2		SUS316L TP/TB	G3459 G3463	A312, A376, TP316L A213, A249, A268 TP316L	X2CrNi1810	1.4404	DIN17440
00Cr17Ni13Mo3		SUS317L TP/TB	G3459 G3463	A312, A376, TP317L A213, A249, A268 TP317L			

# FLANGES



Part of the product display

Part of the product display



Raised face flange

Flat flange

Slip-on flange



Loose/lapped flange

Loose/lapped flange

Ring type joint flange



API Weld neck flange

Weld neck flange

Blind flange



Customed flange

Weld neck flange

Square flange



Socket weld flange

Thread flange

Blind flange



Pipe spool



**ANSI/美标法三**

- 69-80 ANSI B16.5 FORGED FLANGES CLASS150-2500
- 81-88 ANSI B16.47 SER. B (API605) CLASS 75-900
- 89-98 ASME B16.47 SER.A(MSS SP 44)CLASS 150-900
- 99 AWWA C207-07 -Rings Blinds.CLASS B
- 100 AWWA C207-07 -Rings Blinds.CLASS D

**EN/欧标法三**

- 101-102 EN 1092-1:2007 PN6
- 103-104 EN 1092-1:2007 PN10
- 105-106 EN 1092-1:2007 PN16
- 107-108 EN 1092-1:2007 PN25
- 109-110 EN 1092-1:2007 PN40

**JIS/日标法三**

- 35-40 SLIP-ON WELDING DTEEL PIPE FLANGES
- 41-45 WELDING NECK STEEL PIPE FLANGES
- 46-47 SLIP-ON FLANGES
- 48-49 SET-ON FLANGES
- 50 FLANGE FOR GATE VALVE/BUTTERFLY VALVE

**GOST/俄标法三**

- 111-114 GOST-12820-80 PN6-25
- 115-122 GOST-12821-80 PN6-160

**DIN/德标法三**

- 51-52 FLANGES WELD ON PIPES PN6-10
- 53-55 FLANGES WELD ON PIPES PN16-40
- 56-57 LAPPED FALNGES WITH COLLAR PN10-25
- 58 SCREWED PIPE FLANGES PN10-16
- 59-61 BLIND FLANGES PN6-40
- 62-68 WELDING NECK FLANGES PN6-100

**SABS/南非标法三**

- 123 SABS 1123-1600/3
- 124 SABS 1123-1600/4
- 125 BS10 TABLE D SCREWED
- 126 Bs10 TABLE D
- 127 Bs10 TABLE E
- 128 COMPARSON FLANGE BORES OF WELDING NECKFAMGE FOR ANSI WITH JIS

# VALVES



# Electric valve



Specialized Fluid Control Valve Manufacture



Cast Iron Motorized Butterfly Valve with PTFE Sealing  
HK-60D



Cast Iron Motorized Butterfly Valve with NBR Sealing  
HK-60D-1



Motorized Lug Butterfly Valve  
HK-60D-2



Stainless Steel Motorized Butterfly Valve  
HK-60D-3



UPVC Motorized Butterfly Valve  
HK-60D-7



Motorized 3PCS 2 way thread Ball Valve  
HK-60Q



Motorized 3 way thread Ball Valve  
HK-60Q-T



Motorized 2 way Flanged Ball Valve  
HK-60Q-F



Motorized 3 way Flanged Ball Valve  
HK-60Q-F-T



Motorized Thin Ball Valve  
HK-60Q-54

# Solenoid valve



Stainless Steel Thread Solenoid Valve  
2W21



Stainless Steel Flanged Solenoid Valve  
2W21-F



Stainless Steel Solenoid Valve  
2W31-S



Brass Solenoid Valve  
2W31



Stainless Steel Solenoid Valve  
HK02-5



Brass Automatic Drain Solenoid Valve  
HK11-2



Stainless Steel Drain Solenoid Valve  
HK11-4



Brass Solenoid Valve  
2W



Stainless Steel Flanged Solenoid Valve  
2W-F-S



Stainless Steel Solenoid Valve  
HKP

## Pneumatic valve



Cast Iron Pneumatic Butterfly Valve  
HK-59D-1



Lug Pneumatic Butterfly Valve  
HK-59D-2



Cast Iron Pneumatic Butterfly Valve with PTFE Sealing  
HK-59D-3



Stainless Steel Pneumatic Butterfly Valve  
HK-59D-4



Metal Seated Pneumatic Butterfly Valve  
HK59DS-2



3 PCS Thread Pneumatic Ball Valve  
HK-56



Tri-clamp Pneumatic Vacuum Ball Valve  
HK-56-1



Tri-clamp Pneumatic Ball Valve  
HK-56-2



3 Way Thread Pneumatic Ball Valve  
HK-56-T



PVC Pneumatic Butterfly Valve  
HK57D

## Manual butterfly valve



Manual Turbo Lug - Butted Fluorine Butterfly Valve



Manual Turbine Lug Butterfly Valves



Manual Turbine Lug Stainless Steel Butterfly Valve



Manual Lug Butterfly Valves



Manual Iron Butterfly Valves PTFE Seal



Manual Turbine - Lined Fluorine Butterfly Valve



Manual Fluoride-lined Butterfly Valve



Manual Turbine Hard Seal Butterfly Valve



Manual Turbine Stainless Steel Butterfly Valve



Manual Stainless Steel Butterfly Valve



Plunger Valve



Stainless Steel  
Globe Valve



Stainless Steel Female  
Thread Gate Valve



Rising Stem Resilient  
Gate valve



Non Rising Stem Resilient  
Gate valve



Stainless Steel ANSI Flanged  
Globe Valve



Stainless Steel ANSI  
Flanged Gate Valve



Stainless Steel DIN  
Flanged Gate Valve



Stainless Steel JIS  
Flanged Gate Valve



WCB Wedge Gate Valve



Vertical Flanged  
Check Valve



Horizontal Lift Check Valve



Stainless Steel Horizontal  
Swing Check Valve



Horizontal ball Check valve



Horizontal ANSI Check Valve



Wafer type Spring  
Check Valve



Wafer type Lift Check Valve



Female thread Swing  
Check valve



Female thread Vertical  
Check Valve



Single-flap Wafer  
Check valve



SS Needle valve  
HKZ-01



SS Needle valve  
HKZ-02



SS Needle valve  
HKZ-03



SS Needle valve  
HKZ-04



SS Needle valve  
HKZ-05



SS Needle valve  
HKZ-06



SS Needle valve  
HKZ-07



SS Needle valve  
HKZ-08



SS Needle valve  
HKZ-09



SS Needle valve  
HKZ-10



High Pressure Welded  
Manual ball valve



High Pressure threaded  
Manual ball valve



High Pressure 3 way threaded  
Manual ball valve



Male+Female thread  
2 pcs ball valve



Male thread 2 pcs  
ball valve



Internal thread ball valve



1 piece threaded ball valve  
with lock catch



2 pcs threaded ball valve  
with lock catch



2 pcs threaded ball valve with  
mounting pad and lock catch



2 pcs threaded ball valve



Sanitary Welded  
Manual Ball Valve



Sanitary Tri-clamp  
Manual Ball Valve



3 way Sanitary Tri-clamp  
Manual Ball Valve



3 pcs Tri-clamp  
Manual ball Valve



3 pcs Tri-clamp Manual Ball  
Valve with mounting pad  
and lock catch



3 pcs welded  
Manual ball Valve



3 pcs Threaded  
Manual ball Valve



3 pcs threaded Manual  
ball Valve with lock catch



3 pcs Threaded Manual ball  
Valve with mounting pad



3 pcs threaded Manual ball  
Valve with mounting pad  
and lock catch



3 pcs threaded high pressure  
Manual ball Valve



3 way threaded  
Manual ball Valve



3 way threaded Manual  
ball Valve with lock catch



3 way threaded Manual ball Valve  
with mounting pad and lock catch



Vertical 3 way threaded  
Manual ball Valve with  
mounting pad



3 pcs flanged Manual  
ball Valve with lock catch



3 pcs flanged Manual ball Valve  
with mounting pad and lock catch



Flanged Manual ball Valve with  
mounting pad and lock catch



Flanged Manual ball Valve  
with mounting pad



Flanged Manual ball Valve  
with mounting pad



3 way flanged Manual  
ball Valve



3 way flanged Manual ball  
Valve with mounting pad  
and lock catch



4 way flanged Manual  
ball Valve

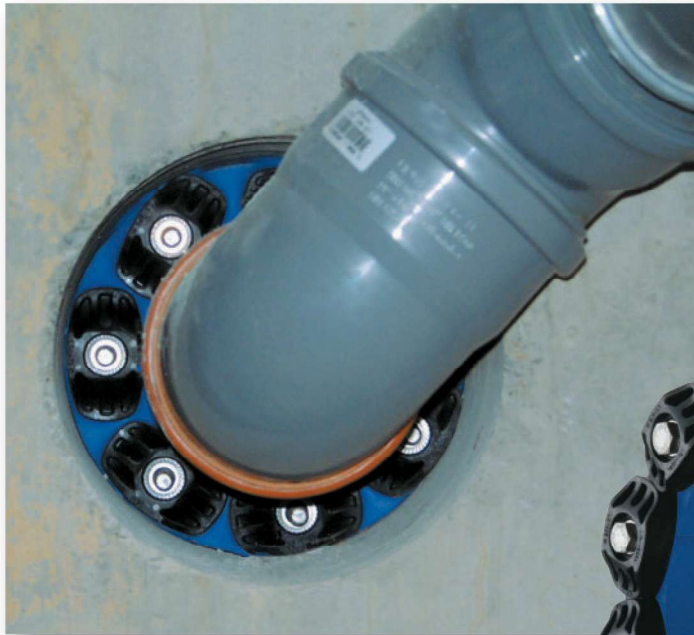


1 piece flanged Manual  
ball Valve



PTFE flanged Manual  
ball Valve

# LINK SEAL & WALL SLEEVE



# General Information

## Fields of Application

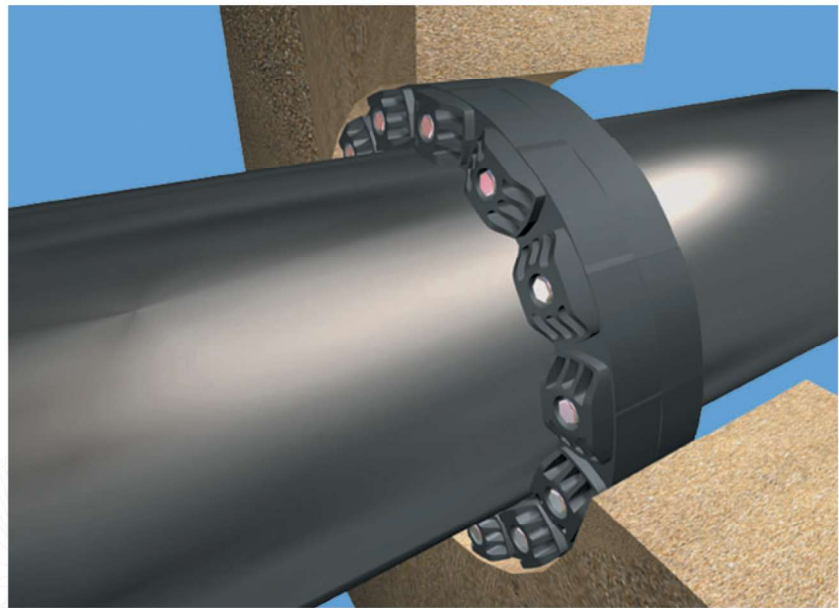
Link-Seal® Modular Seals are designed for multiple applications. Link-Seal® Modular Seals can be used wherever annular spaces must be sealed reliably. Main fields of application:

- Wall ducts
- Tank embedding
- Protective pipe seals

## Advantages

- Solid rubber parts ensure a long life
- Oil-, fuel-, solvent-, and high temperature-resistant versions available on request
- Safe positioning inside walling
- Perfect even for retrofitting
- Easy and quick installation thanks to pre-assembled modules
- Choice of zinc-plated or V4A stainless steel screws
- Absorption of shock, noise and vibration stresses and strains
- Different colours for different rubber qualities
- Electrically isolating
- Hydrostatic sealing against pressing water

## The principle



The radial expansion of the rubber ensures hydrostatic pressure tightness.

For very thin-wall plastic pipes e.g. flexible preinsulated- or wave-shaped pipes, a PSI Kompakt seal type FW is recommended.

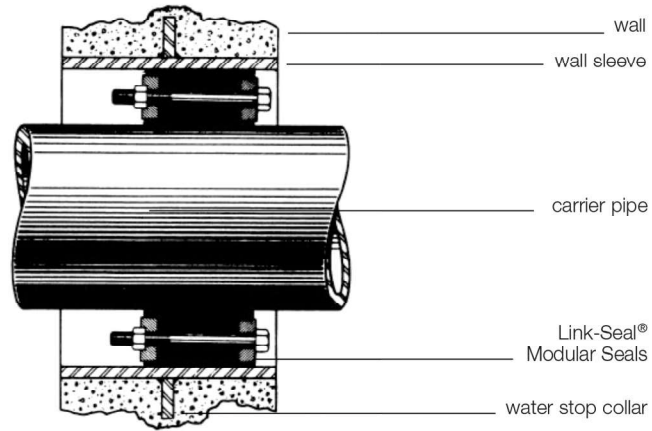
# Technical Data

## Material Properties

Temperature resistance	Standard version black Type T, grey Type O, green*	-40° C up to +80° C -55° C up to +204° C -40° C up to +70° C
Oil, jet fuel resistance	Type O <b>(not UV-resistant)</b>	
Special version for plastic pipes	blue EPDM extra soft	Shore 40 ± 5
Pressure tightness	up to 5 bar (TÜV and Lloyd's registered) Original Link-Seal® up to 3 bar (Lloyd's registered) Original Link-Seal® types BC and BS316	
Dielectric strength	500 V/mm	

\*LS 440 and LS 650 Nitrile rubber black with green marking  
The values specified for the pressure tightness are valid at 23°C.  
For other, above all, higher permanent operating temperatures, an ejection safety device should, if necessary, be fitted.

## Sectional drawing of a Link-Seal® Modular Seals

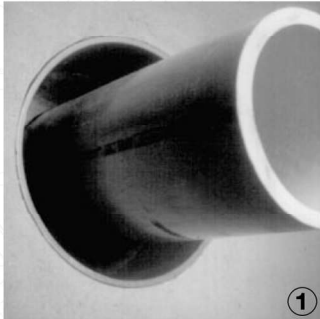


## Wall sleeve

PSI offers wall sleeves in PVC, carbon steel galvanised, stainless steel or asbestos free fibre cement.



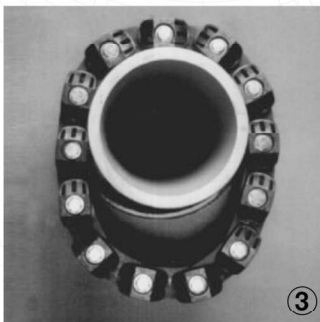
# Installation Instruction



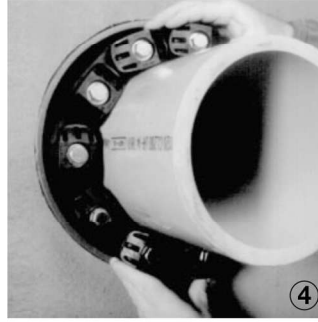
Centre the pipe, cable or conduit in wall opening or casing. Make sure the pipe is adequately supported at both ends. Link-Seal® modular seals are not intended to support the weight of the pipe.



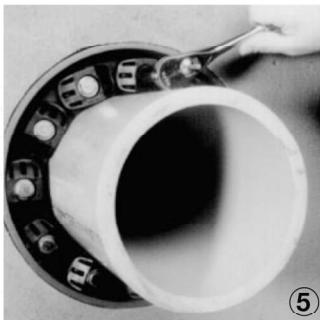
Loosen rear pressure plate with nut just enough so that the links move freely towards and away from each other. Connect both ends of the belt.



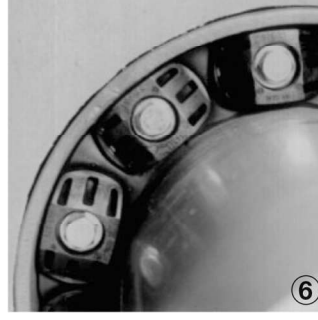
Check to be sure bolt heads are facing the installer. Sagging is normal. Do not remove links in case of sagging. It may be necessary for smaller pipes that the belt must be stretched when installing!



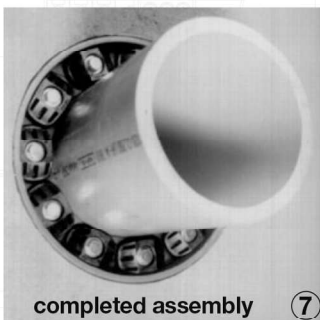
Slide belt assembly into annular space. For larger size belts, start inserting Link-Seal® modular seal assembly at the 6 o'clock position and work both sides up toward the 12 o'clock position in the annular space.



Start at 12 o'clock position. Tighten every bolt in a clockwise manner. Tighten only by hand!



Do not tighten any bolt more than 4 turns at a time. Continue in a clockwise manner. Make 2 or 3 more passes at 3 turns per bolt until links have been uniformly compressed and the max. torque (see table) is reached.



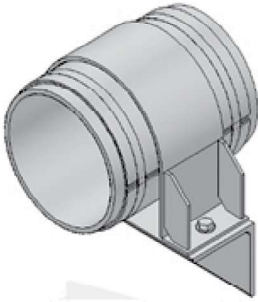
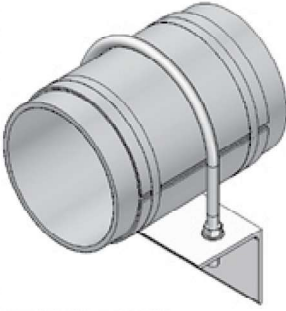
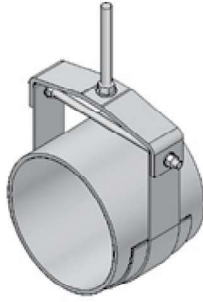
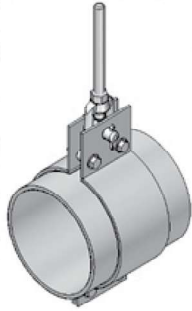


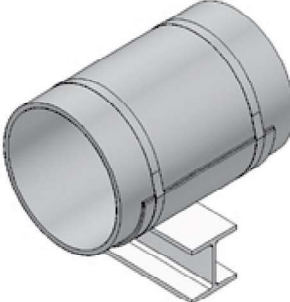
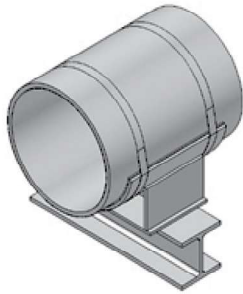

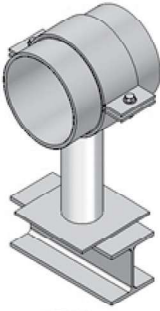

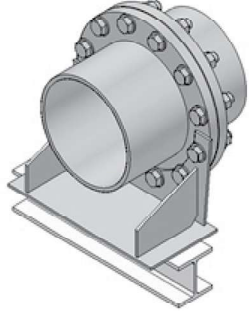
**Repeat tightening after approx. 2 hours.** Especially the Link-Seal® types LS 500 up to LS 700 have to be tightened several times depending on the installation conditions (annular space, temperature, etc.).

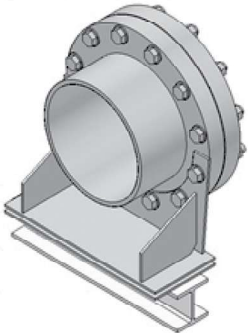
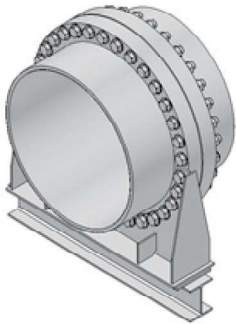
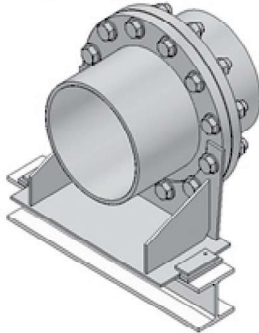
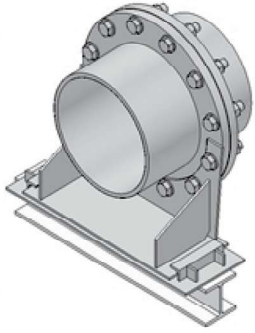
Max. torque at 23°C			Type
for types C, S316 rubber black O and OS316 rubber green type T rubber grey Shore 50° ± 5°	for types BC and BS316 rubber blue, Shore 40° ± 5°	for types LS version KTW/W270 Shore 50° ± 5°	
2 Nm	2 Nm	2 Nm	LS 200 to LS 275
8 Nm	6 Nm	8 Nm	LS 300 to LS 360
27 Nm	20 Nm	27 Nm	LS 400 to LS 475
65 Nm	50 Nm	65 Nm	LS 500 to LS 575
110 Nm	65 Nm	-	LS 615
65 Nm	50 Nm	65 Nm	LS 625 to LS 700

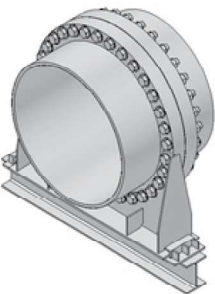
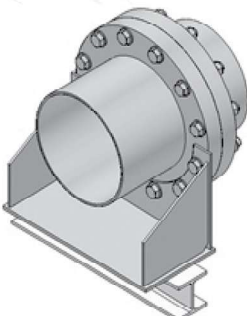
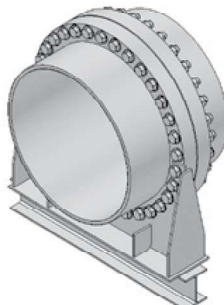
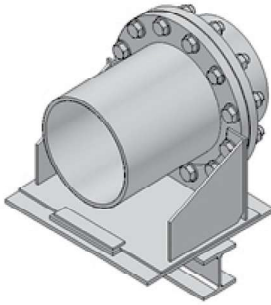
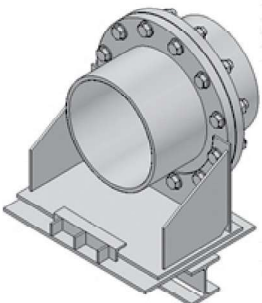
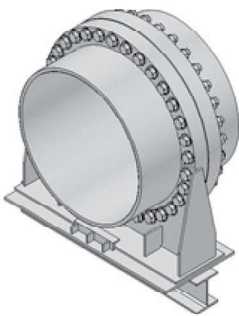
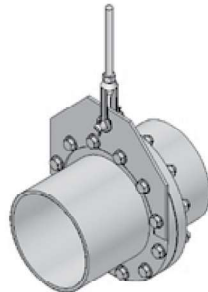
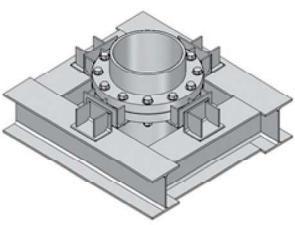
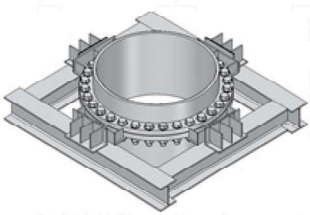
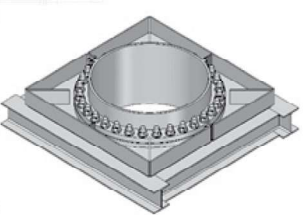
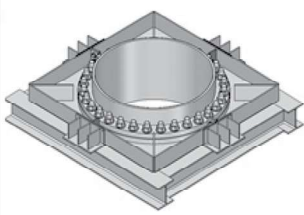

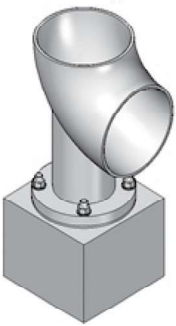
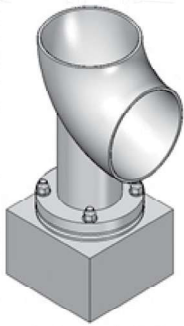
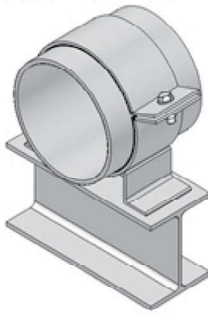
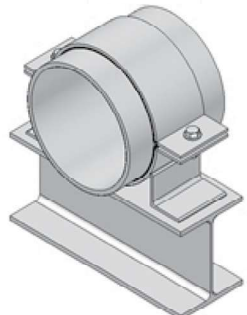
# PIPE SUPPORTS

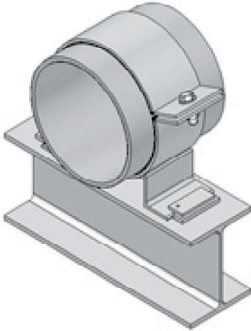
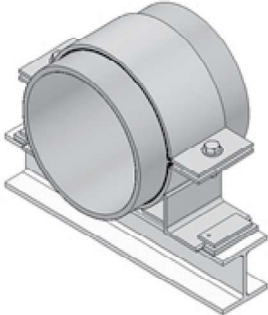

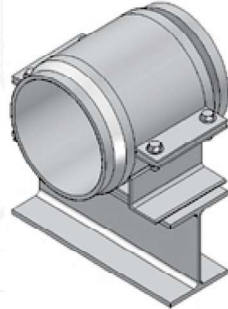
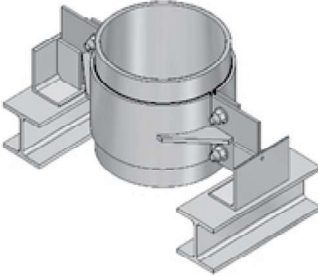
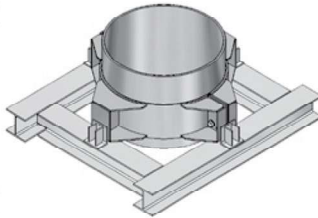
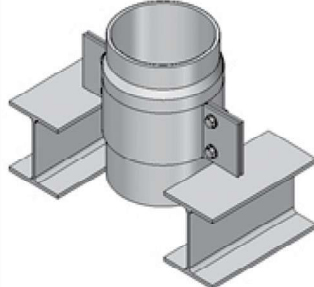
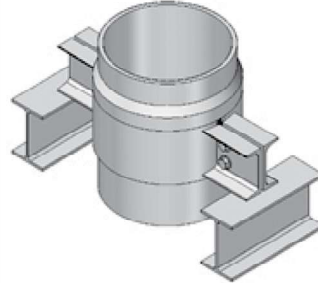
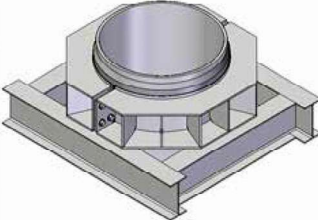
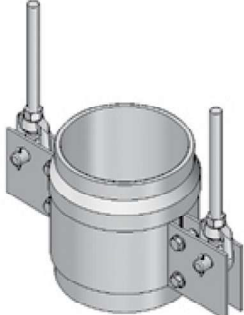
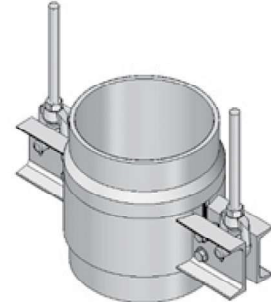
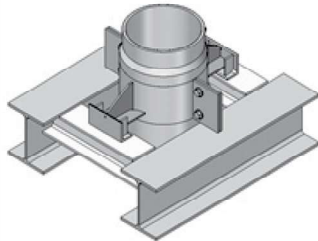
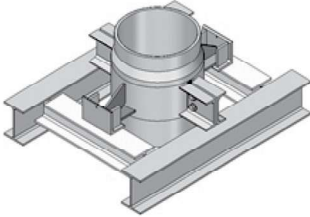
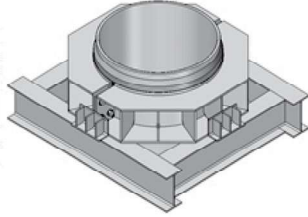
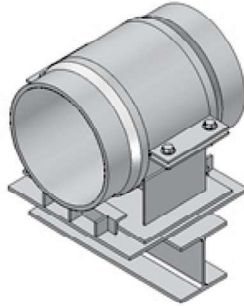
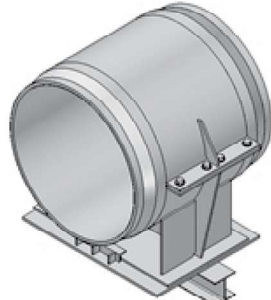


## Pictorial Index Pipe Supports

 <p><b>S1</b> U-Strap W/ Shield (1"-12" Dia.)</p>	 <p><b>S2</b> U-Bolt W. Shield (1"-12" Dia.)</p>	 <p><b>S4</b> Clevis Hanger (1"-18" Dia.)</p>	 <p><b>S5</b> Wide Clamp Hanger (1"-18" Dia.)</p>
 <p><b>S5</b> Wide Clamp Hanger (20"-60" Dia.)</p>	 <p><b>S7</b> FRP Wear Pad (1"-12" Dia.)</p>	 <p><b>S8</b> Slide Shield (1"-12" Dia.)</p>	 <p><b>S9</b> Pipe Cradle (1"-10" Dia.)</p>
 <p><b>S9B</b> Pipe Cradle (12"-60" Dia.)</p>	 <p><b>S10</b> Pipe Stand - Fixed Height (1"-8" Dia.)</p>	 <p><b>S11</b> Pipe Stand - Adjustable Height (1"-8" Dia.)</p>	 <p><b>S12</b> Flange Slide (1"-10" Dia.)</p>

 <p><b>S12B</b> Flange Slide (12"-30" Dia.)</p>	 <p><b>S12B</b> Flange Slide (36"-60" Dia.)</p>	 <p><b>S13</b> Flange Guide (1"-10" Dia.)</p>	 <p><b>S13B</b> Flange Guide (12"-30" Dia.)</p>
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 <p><b>S13B</b> Flange Guide (36"-60" Dia.)</p>	 <p><b>S14</b> Flange Anchor (1"-30" Dia.)</p>	 <p><b>S14</b> Flange Anchor (36"-60" Dia.)</p>	 <p><b>S15</b> Flange Linestop (1"-10" Dia.)</p>
 <p><b>S15B</b> Flange Linestop (12"-30" Dia.)</p>	 <p><b>S15B</b> Flange Linestop (36"-60" Dia.)</p>	 <p><b>S16</b> Flange Hanger (1"-18" Dia.)</p>	 <p><b>S17</b> Flange Riser Guide (12"-30" Dia.)</p>
 <p><b>S17</b> Flange Riser Guide (36"-60" Dia.)</p>	 <p><b>S18</b> Flange Riser Support (12"-60" Dia.)</p>	 <p><b>S19</b> Flange Riser Support w/Guides (12"-60" Dia.)</p>	
 <p><b>P7</b> Elbow Support Slide Plate (2"-10" Dia.)</p>	 <p><b>P7B</b> Elbow Support Slide Pate (12"-24" Dia.)</p>	 <p><b>P8</b> Base Slide (1"-10" Dia.)</p>	 <p><b>P8L</b> Base Slide - Low Profile (1"-10" Dia.)</p>

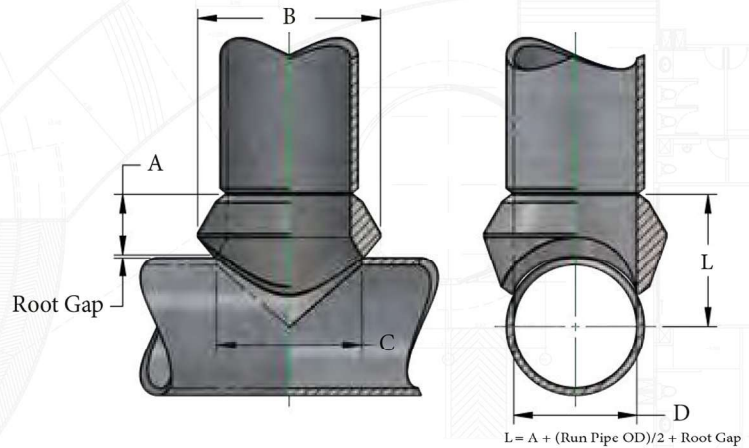
			
<p><b>P9</b> Base Guide (1'-10" Dia.)</p>	<p><b>P9L</b> Base Anchor - Low Profile (1'-10" Dia.)</p>	<p><b>P10</b> Base Anchor (1'-10" Dia.)</p>	<p><b>P10L</b> Base Anchor - Low Profile (1'-10" Dia.)</p>
			
<p><b>P13</b> Riser Guide (1'-20" Dia.)</p>	<p><b>P13</b> Riser Guide (24'-60" Dia.)</p>	<p><b>P14</b> Riser Support (1'-10" Dia.)</p>	<p><b>P14</b> Riser Support (12'-30" Dia.)</p>
			
<p><b>P14</b> Riser Support (36'-60" Dia.)</p>	<p><b>P15</b> Double Rod Riser Hanger (1'-10" Dia.)</p>	<p><b>P15</b> Double Rod Riser Hanger (12'-30" Dia.)</p>	<p><b>P16</b> Riser Support W/ Guides (1'-10" Dia.)</p>
			
<p><b>P16</b> Riser Support W/ Guides (12'-30" Dia.)</p>	<p><b>P16</b> Riser Support W/ Guides (36'-60" Dia.)</p>	<p><b>P17</b> Base Linestop (12'-30" Dia.)</p>	<p><b>P17</b> Base Linestop (36'-60" Dia.)</p>

# WELDOLET

SIZE ON SIZE  
XS WEIGHT



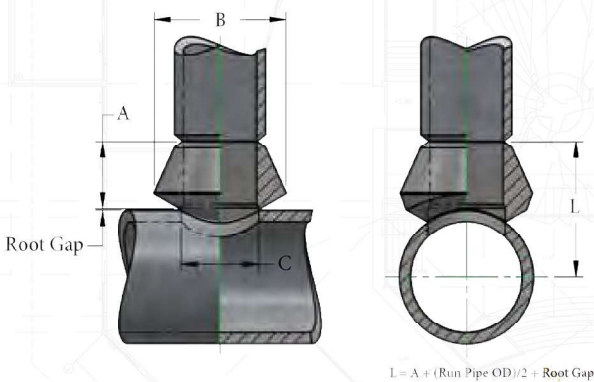
DESIGN PER MSS SP-97  
BUTT-WELD PER ASME B16.9 & B16.25



Outlet Size	Dimensions				Weight
	A	B	C	D	
NPS 1/2	3/8	1 3/8	1 5/16	3/8	0.150
NPS 3/4	7/8	1 1/2	1 7/16	1 1/8	0.250
NPS 1	1 1/16	2 1/2	1 7/16	1 1/2	0.400
NPS 1 1/4	1 1/4	2 3/4	1 3/4	1 3/8	0.700
NPS 1 1/2	1 3/8	2 3/4	2	1 3/8	0.900
NPS 2	1 1/2	3 1/2	2 5/16	2 1/8	1.600
NPS 2 1/2	1 3/4	4 1/8	3	2 7/16	2.500
NPS 3	1 3/4	4 13/16	3 11/16	3 1/8	4.100
NPS 3 1/2	2	5 3/8	3 3/4	3 3/8	5.100
NPS 4	2	6	4 3/4	4	7.500
NPS 5	2 1/4	7 1/2	5 5/16	5 1/8	9.500
NPS 6	3 1/16	8 5/16	6 11/16	6 1/8	15.000
NPS 8	3 3/8	10 3/8	8 11/16	7 3/8	32.000
NPS 10	3 1/2	13 1/8	10 7/16	9 3/8	46.000
NPS 12	3 15/16	15 3/16	13	11 3/8	61.000
NPS 14	4 1/8	16	13	13	75.000
NPS 16	4 7/16	18 1/4	15	15	115.000
NPS 18	4 11/16	20 3/8	17	17	130.000
NPS 20	5	22 3/8	19	19	187.000
NPS 24	5 1/2	28 3/4	25 1/8	23	316.000

# WELDOLET

REDUCING  
EXTRA STRONG

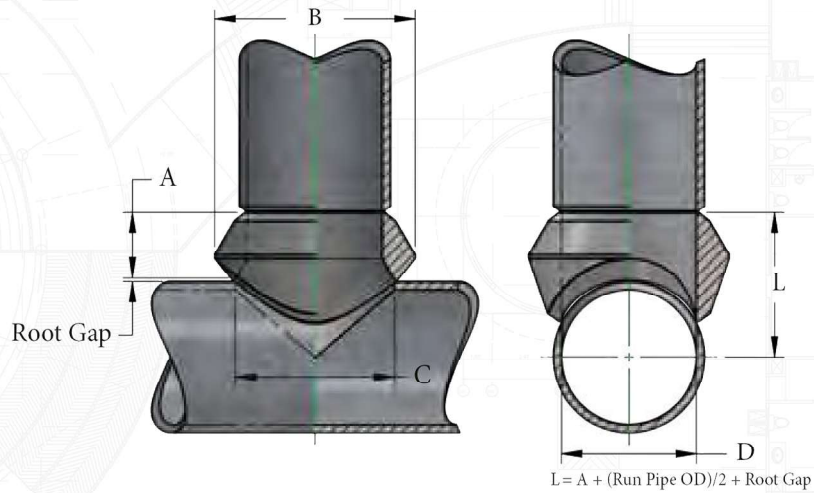


Outlet Size	Dimensions			Weight
	A	B	C	
NPS 1/2	3/8	1	3/8	0.100
NPS 3/4	3/8	1	3/8	0.100
NPS 3/8	3/4	1 1/4	3/4	0.150
NPS 1/2	3/4	1 3/8	1 5/16	0.200
NPS 3/4	7/8	1 3/4	1 3/16	0.300
NPS 1	1 1/16	2 1/2	1 7/16	0.500
NPS 1 1/4	1 1/4	2 9/16	1 3/4	0.900
NPS 1 1/2	1 5/16	2 7/8	2	1.100
NPS 2	1 1/2	3 1/2	2 9/16	1.750
NPS 2 1/2	1 3/8	4 1/16	3	2.600
NPS 3	1 3/4	4 13/16	3 11/16	4.100
NPS 3 1/2	1 7/8	5 1/4	4	5.600
NPS 4	2	6	4 3/4	6.400
NPS 5	2 1/4	7 1/16	5 9/16	10.400
NPS 6	3 1/16	8 5/16	6 11/16	23.000
NPS 8	3 3/8	11 1/2	8 11/16	37.000
NPS 10	3 11/16	13 3/16	10 7/16	46.000
NPS 12	4 1/16	15 3/8	12 1/2	61.000
NPS 14	3 15/16	16	13	70.000
NPS 16	4 3/16	18 3/8	15	102.000
NPS 18	4 3/8	20 3/8	17	130.000
NPS 20	4 11/16	22 15/16	19	158.000
NPS 24	5 1/2	28 1/2	24 3/16	290.000
NPS 26	5 3/4	30 1/4	27 1/4	350.000

► \* Larger outlet sizes available upon request

# WELDOLET

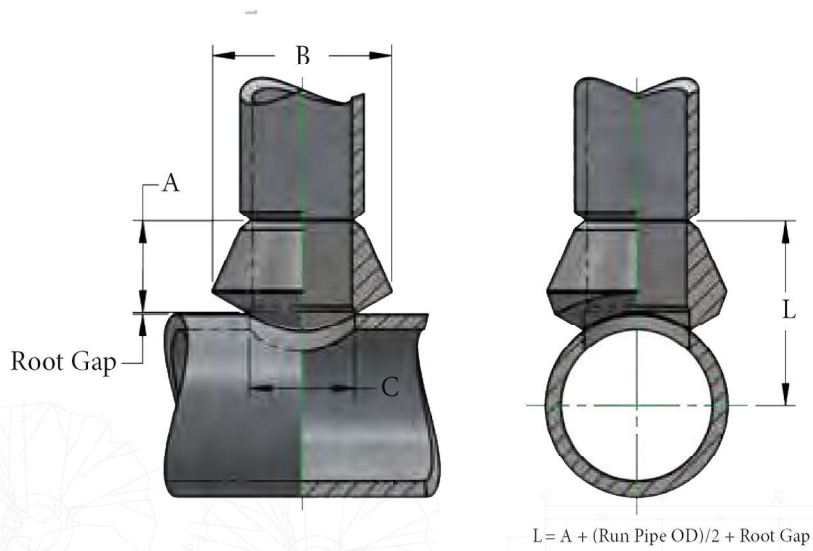
SIZE ON SIZE  
DBL. EXTRA STRONG  
& SCH. 160



Outlet Size	Dimensions				Weight
	A	B	C	D	
NPS 1/2	1 3/8	1 3/8	9/16	7/16	0.250
NPS 3/4	1 1/4	1 3/4	3/4	5/8	0.700
NPS 1	1 1/2	2	1	13/16	0.800
NPS 1 1/4	1 3/4	2 7/16	1 3/16	1 3/16	1.250
NPS 1 1/2	2	2 3/4	1 1/2	1 3/16	1.750
NPS 2	2 3/16	3 3/16	1 11/16	1 1/2	2.150
NPS 2 1/2	2 7/16	3 13/16	2 1/8	1 3/4	3.400
NPS 3	2 7/8	4 3/4	2 7/8	2 5/8	6.350
NPS 4	3 5/16	6	3 7/8	3 7/16	10.500
NPS 5	3 11/16	7 3/8	4 13/16	4 5/16	14.250
NPS 6	4 1/8	8 11/16	5 3/4	5 1/16	30.250

# WELDOLET

REDUCING  
DBL. EXTRA STRONG  
& SCH. 160

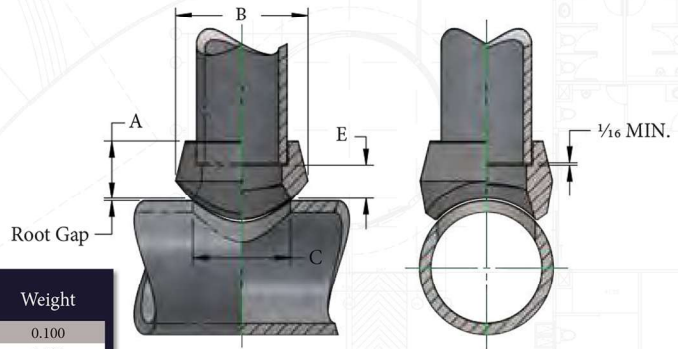


Outlet Size	Dimensions			Weight
	A	B	C	
NPS 1/2	1 3/8	1 3/8	9/16	0.250
NPS 3/4	1 1/4	1 3/4	3/4	0.700
NPS 1	1 1/2	2	1	0.850
NPS 1 1/4	1 3/4	2 7/16	1 3/16	1.250
NPS 1 1/2	2	2 3/4	1 1/2	1.750
NPS 2	2 3/16	3 3/16	1 11/16	2.150
NPS 2 1/2	2 7/16	3 13/16	2 1/8	3.400
NPS 3	2 7/8	4 3/4	2 7/8	6.300
NPS 4	3 5/16	6	3 7/8	10.500
NPS 5	3 11/16	7 3/8	4 13/16	14.250
NPS 6	4 1/8	9 5/16	5 3/4	28.000

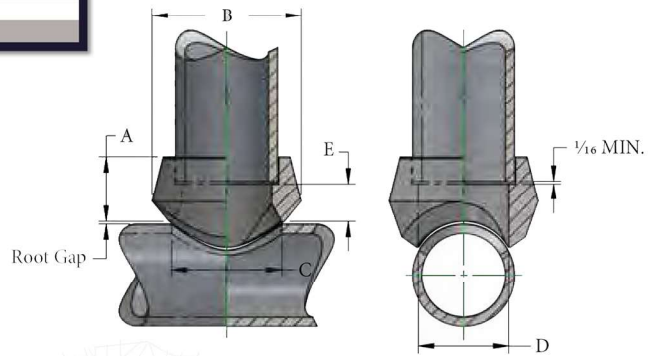
► Larger outlet sizes available upon request

# SOCKOLET

REDUCING  
CLASS 3000, 6000  
& 9000



Outlet Size	Dimensions				Weight	
	A	B	C	E		
CLASS 3000	NPS 3/8	3/8	1	5/8	5/16	0.100
	NPS 1/2	3/8	1	5/8	5/16	0.100
	NPS 3/4	1/2	1 1/4	3/4	7/16	0.200
	NPS 1	1	1 7/8	1 1/2	9/16	0.300
	NPS 1 1/4	1 1/8	2 1/4	1 3/4	5/8	0.350
	NPS 1 1/2	1 1/4	2 3/4	2	3/4	1.000
	NPS 2	1 1/2	3 1/2	2 3/4	13/16	1.600
	NPS 2 1/2	1 3/4	4 1/2	3	3/4	2.750
	NPS 3	2	4 13/16	3 1/2	13/16	3.800
	NPS 3 1/2	2 1/4	5 3/8	4	1	4.300
	NPS 4	2 1/2	6	4 3/4	1 1/16	7.250
	NPS 5	2 3/4	7	5 1/2	1 3/8	12.000
NPS 6	2 3/4	8 3/8	6 1/2	1 7/16	14.500	
CLASS 6000	NPS 1/2	1 1/4	1 3/4	3/4	3/8	0.500
	NPS 3/4	1 7/16	2	1	7/8	0.800
	NPS 1	1 1/2	2 1/4	1 3/4	13/16	1.300
	NPS 1 1/4	1 3/4	2 3/4	1 1/2	13/16	1.600
	NPS 1 1/2	1 13/16	3 1/4	1 13/16	3/4	2.000
NPS 2	2 1/16	4 1/16	2 3/4	1 3/16	5.150	
CLASS 9000	NPS 1/2	1 1/4	1 13/16	3/4	13/16	
	NPS 3/4	1 7/16	1 15/16	15/16	7/8	
	NPS 1	1 1/2	2 1/4	1 3/4	13/16	
	NPS 1 1/4	1 3/4	2 13/16	1 1/2	13/16	
	NPS 1 1/2	1 13/16	3 1/4	1 13/16	13/16	



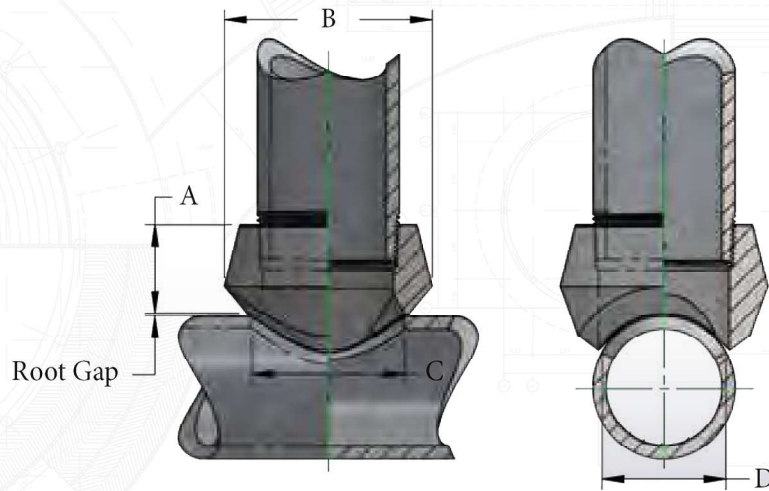
# SOCKOLET

SIZE ON SIZE  
CLASS 3000

Outlet Size	Dimensions					Weight
	A	B	C	D	E	
NPS 1/2	1	1 3/8	15/16	0.622	5/16	0.150
NPS 3/4	1 1/16	1 5/8	1 3/16	0.824	1/2	0.250
NPS 1	1 3/16	2 3/8	1 7/16	1.049	3/4	0.450
NPS 1 1/4	1 3/8	2 7/16	1 3/4	1.380	9/16	0.650
NPS 1 1/2	1 3/4	2 7/8	2	1.610	11/16	0.850
NPS 2	1 1/2	3 1/2	2 3/16	2.067	15/16	1.400
NPS 2 1/2	1 3/4	4 1/16	3	2.469	3/4	2.250
NPS 3	1 3/4	4 13/16	3 1/2	3.068	15/16	3.750
NPS 3 1/2	1 13/16	5 3/8	4 7/16	3.548	11/16	4.300
NPS 4	1 7/8	6 1/16	4 3/4	4.026	1 1/16	6.600
NPS 5	2 7/16	7 1/4	5 1/4	5.047	1	9.000
NPS 6	2 11/16	8 11/16	6 1/16	6.065	1 3/16	15.500

# THREDOLET

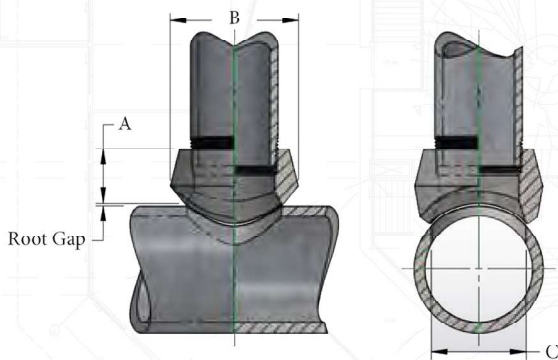
SIZE ON SIZE  
CLASS 3000



Outlet Size	Dimensions				Weight
	A	B	C	D	
NPS 1/2	1	1 3/8	1 5/16	5/8	0.150
NPS 3/4	1 1/16	1 11/16	1 3/16	13/16	0.250
NPS 1	1 5/16	2 1/8	1 7/16	1 1/16	0.450
NPS 1 1/4	1 9/16	2 3/8	1 3/4	1 3/8	0.700
NPS 1 1/2	1 3/8	2 7/8	2	1 3/8	0.900
NPS 2	1 1/2	3 1/2	2 9/16	2 1/16	1.400
NPS 2 1/2	1 13/16	4 1/16	3	2 1/2	2.500
NPS 3	2	4 13/16	3 11/16	3 1/16	4.300
NPS 3 1/2	2 3/8	5 3/8	4 7/16	3 3/16	4.500
NPS 4	2 1/4	6	4 3/4	4 1/16	6.800
NPS 5	2 7/16	7 1/4	5 1/4	5 1/4	9.200
NPS 6	2 3/4	8 11/16	5 3/4	5 3/4	15.700

# THREDOLET

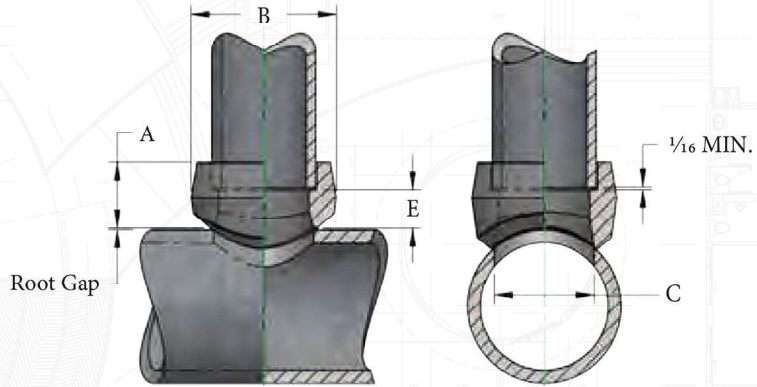
REDUCING  
CLASS 3000 & 6000



Outlet Size	Dimensions			Weight
	A	B	C	
NPS 1/8	3/4	1	5/8	0.100
NPS 1/4	3/4	1	5/8	0.100
NPS 3/8	13/16	1 1/4	3/4	0.200
NPS 1/2	1	1 7/16	15/16	0.250
NPS 3/4	1 1/16	1 3/4	1 3/16	0.350
NPS 1	1 5/16	2 1/8	1 7/16	0.600
NPS 1 1/4	1 5/16	2 9/16	1 3/4	0.900
NPS 1 1/2	1 3/8	2 7/16	2	1.000
NPS 2	1 1/2	3 1/2	2 1/16	1.750
NPS 2 1/2	1 13/16	4 1/16	3	3.000
NPS 3	2	4 13/16	3 11/16	4.350
NPS 3 1/2	2 3/8	5 1/4	4	5.750
NPS 4	2 1/4	6	4 3/4	7.100
NPS 5	2 3/8	7 5/16	5 1/16	12.000
NPS 6	2 3/4	8 3/8	6 11/16	15.300
<b>CLASS 3000</b>				
NPS 1/4	1 3/8	1 3/8	9/16	0.300
NPS 3/8	1 1/8	1 3/8	9/16	0.300
NPS 1/2	1 1/4	1 3/4	3/4	0.450
NPS 3/4	1 7/16	2	1	0.750
NPS 1	1 9/16	2 7/16	1 5/16	1.250
NPS 1 1/4	1 3/8	2 3/4	1 1/2	1.600
NPS 1 1/2	1 11/16	3 1/4	1 15/16	1.950
NPS 2	2 1/16	4 1/16	2 3/4	5.000
<b>CLASS 6000</b>				

# FLEXOLET

SOCKET-WELD  
CLASS 3000, 6000  
& 9000



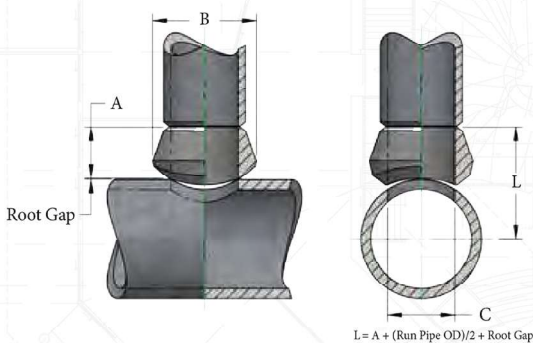
RUN SIZE CONSOLIDATIONS - CLASS 6000						
Outlet Size						
1/2	3/4	1	1 1/4	1 1/2	2	
36 - 3/4	36 - 1 1/4	2 1/2 - 1 1/4	4 - 1 1/4	2 1/2 - 2	3 1/2 - 2 1/2	
		36 - 3	36 - 5	36 - 6	36 - 8	

RUN SIZE CONSOLIDATIONS - CLASS 9000						
Outlet Size						
1/2	3/4	1	1 1/4	1 1/2	2	
36 - 1/2	36 - 3/4	36 - 1 1/4	2 1/2 - 2	1 1/2 - 2	3 - 2 1/2	
			36 - 3	4 - 3	5 - 3 1/2	
				36 - 5	8 - 6	
					36 - 10	

	Outlet Size	Dimensions			Weight	
		A	B	C		
CLASS 3000	NPS 1/4	3/4	1	0.364	9/8	0.140
	NPS 3/8	1 1/16	1 1/16	0.493	7/16	0.140
	NPS 1/2	1	1 1/2	0.622	9/16	0.280
	NPS 3/4	1 1/16	1 11/16	0.824	7/8	0.390
	NPS 1	1 5/16	2 1/8	1.049	13/16	0.730
	NPS 1 1/4	1 9/16	2 9/16	1.380	3/4	0.960
	NPS 1 1/2	1 3/8	2 13/16	1.610	3/4	1.120
	NPS 2	1 1/2	3 3/16	2.067	13/16	1.660
CLASS 6000	NPS 2 1/2	1 13/16	3 13/16	2.469	3/4	2.730
	NPS 3	2	4 11/16	3.068	13/16	3.880
	NPS 4	2 1/4	5 13/16	4.026	1 1/16	6.600
	NPS 1/2	1 1/4	1 3/4	0.464	13/16	0.280
	NPS 3/4	1 7/16	2 1/16	0.612	15/16	0.390
	NPS 1	1 9/16	2 9/16	0.815	1	0.730
CLASS 9000	NPS 1 1/4	1 1/8	2 1/2	1.160	1	0.960
	NPS 1 1/2	1 11/16	3 3/16	1.338	1 1/16	1.630
	NPS 2	2 1/16	4	1.687	1 3/8	1.660
	NPS 1/2	1 1/4	1 3/4	0.252	13/16	
	NPS 3/4	1 7/16	1 3/8	0.434	7/8	
	NPS 1	1 9/16	2 1/4	0.599	1	

# FLEXOLET

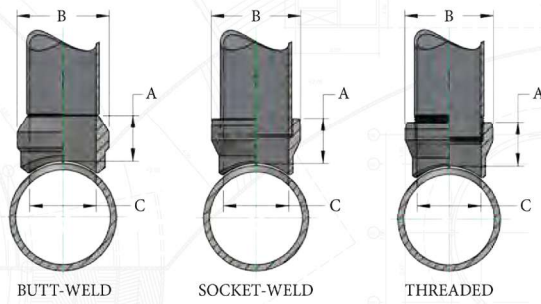
BUTT-WELD  
STD WEIGHT &  
EXTRA STRONG



	Outlet Size	Dimensions			Weight
		A	B	C	
STD Weight	NPS 3/8	3/4	1	0.493	0.100
	NPS 1/2	3/4	1 3/8	0.622	0.120
	NPS 3/4	7/8	1 1/2	0.824	0.220
	NPS 1	1 1/16	1 13/16	1.062	0.320
	NPS 1 1/4	1 1/4	2 1/4	1.380	0.640
	NPS 1 1/2	1 5/16	2 9/16	1.625	0.780
	NPS 2	1 1/2	3	2.062	1.140
	NPS 2 1/2	1 5/8	3 11/16	2.500	1.940
	NPS 3	1 3/4	4 5/16	3.125	2.600
	NPS 4	2	5 3/8	4.145	4.120
Extra Strong	NPS 6	2 3/8	7 11/16	6.112	11.000
	NPS 3/8	3/4	1	0.423	0.100
	NPS 1/2	3/4	1 3/8	0.546	0.120
	NPS 3/4	7/8	1 1/2	0.742	0.180
	NPS 1	1 1/16	1 13/16	1.062	0.360
	NPS 1 1/4	1 1/4	2 1/4	1.278	0.550
	NPS 1 1/2	1 5/16	2 9/16	1.625	0.680
	NPS 2	1 1/2	3	2.062	1.240
	NPS 2 1/2	1 5/8	3 11/16	2.500	2.260
	NPS 3	1 3/4	4 5/16	3.125	2.840
NPS 4	2	5 3/8	4.145	4.560	
NPS 6	3 1/16	7 3/4	5.800	15.000	

# FLEXOLET

BUTT-WELD, THREADED  
& SOCKET-WELD  
SCH. 5S/10S & CL. 300



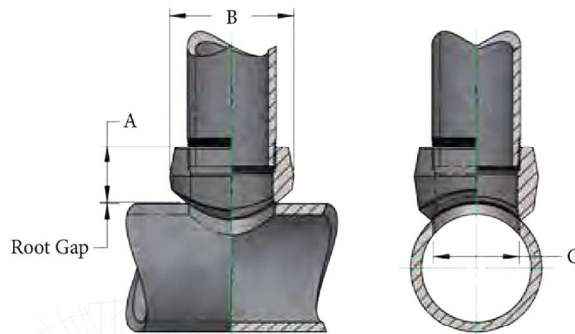
	Outlet Size	Dimensions			Weight
		A	B	C	
BUTT-WELD	NPS ½	¾	¾	C = I.D. of specified branch pipe	-
	NPS ¾	¾	¾		-
	NPS 1	¾	1		0.100
	NPS 1 ½	¾	1 ¼		0.230
	NPS 2	¾	1 ½		0.260
	NPS 2 ½	1 ¼	1 ¾		0.610
	NPS 3	1 ¼	2 ¼		0.780
	NPS 3 ½	1 ½	2 ½		0.890
	NPS 4	1 ½	3		2.170
	NPS 5	2	4		2.270
	NPS 6	2 ¼	5		4.270
	NPS 8	2 ¾	6 ½		4.370
THREADED	NPS ½	1	1 ½	0.719	0.250
	NPS ¾	1 ½	1 ½	0.922	0.350
	NPS 1	1 ½	1 ¾	1.156	0.650
	NPS 1 ½	1 ¾	2 ¼	1.500	0.800
	NPS 2	1 ¾	3	1.734	0.920

	Outlet Size	A	B	Dimensions			Weight
				CL. 300	SCH. 5s	SCH. 10s	
SOCKET-WELD	NPS ½	¾	1 ¼	0.622	0.710	0.674	0.100
	NPS ¾	¾	1 ½	0.824	0.920	0.884	0.230
	NPS 1	1 ¼	1 ¾	1.049	1.185	1.097	0.260
	NPS 1 ½	1 ¼	2 ¼	1.380	1.530	1.442	0.610
	NPS 2	1 ½	2 ¾	1.610	1.770	1.682	0.780
	NPS 2 ½	1 ¾	3	2.067	2.245	2.157	0.890

- REDUCES WELD VOLUME AND WELD TIME
- ALLOWS FULL PENETRATION WELD WITHOUT DISTORTION
- REDUCES HEAT BUILD UP
- CAN BE USED ON ALL HEADER PIPE THICKNESSES
- MEETS APPLICABLE PIPING CODES AND STANDARDS

# FLEXOLET

THREADED  
CLASS 3000 & 6000



RUN SIZES	Outlet Size										
	¾	¾	1	1 ¼	1 ½	2	2 ½	3	4	4	
	¾-¾	1-¾	¾	1 ¼-¾	1	1 ½-1 ¼	1 ½	2	2 ½	3	4
	36-½	36-1 ¼	36-¾	36-1 ½	2 ½-1 ¼	3 ½-2	2 ½-2	3 ½-2 ½	3 ½-2 ½	5-3 ½	6-5
				36-3	36-4	5-3	6-4	6-4	14-6	10-8	20-12
						36-6	36-8	36-8	36-16	20-12	36-22

▶ FLAT Flexolet branch connections for use on welding caps, elliptical heads, and flat surfaces is available upon request.

RUN SIZES	Outlet Size					
	¾	¾	1	1 ¼	1 ½	2
	¾-¾	1-¾	¾	1	1 ½-1 ¼	1 ½
	36-½	36-1 ¼	36-¾	1 ¼-1	2 ½-1 ¼	3 ½-2
				36-1 ½	36-3	8-4
						36-6
						36-8

	Outlet Size	Dimensions			Weight
		A	B	C	
CLASS 3000	NPS ½	¾	1 ½	0.437	0.140
	NPS ¾	1 ¼	1 ½	0.578	0.140
	NPS 1	1	1 ½	0.718	0.280
	NPS 1 ½	1 ¼	1 ¾	0.922	0.390
	NPS 2	1 ½	2 ¼	1.156	0.730
	NPS 2 ½	1 ¾	2 ½	1.500	0.960
	NPS 3	1 ¾	2 ¾	1.734	1.120
	NPS 4	2	3 ¾	2.218	1.660
	NPS 5	2 ¼	4 ¾	2.625	2.730
	NPS 6	2 ½	5 ¾	3.250	3.880
	NPS 8	3	6 ¾	4.250	6.180
	CLASS 6000	NPS ½	¾	1 ½	0.437
NPS ¾		1 ¼	1 ½	0.578	0.140
NPS 1		1 ¼	1 ¾	0.718	0.280
NPS 1 ½		1 ¾	2 ¼	0.922	0.390
NPS 2		1 ¾	2 ½	1.156	0.730
NPS 2 ½		2	3 ¾	1.500	0.960

# HDPE & GRP INSULATION MATERIALS



## OUR SERVICES

- Pre Insulated Pipe & Field joint Insulation
- LPE pipes and fittings installation
- Trading Industrial MEP Material & Fasteners
- Building Construction and Maintenance
- De Watering
- Leak detection system
- HVAC Air Duct Work ( Supply & Installation)  
( Steel and Fabric Duct )
- FCU Unit Installation Work
- Heavy Equipment Rental

## Pre insulated Pipe

Pre-insulated pipe made of PUR (rigid polyurethane foam) protected by an outer jacket, and a fibre reinforced carrier pipe (SDR 11) in PP-RCT WOR with high resistance against high temperature and oxidation process, especially suitable for mechanical installations: heating, air conditioning and compressed air systems, transport of technological fluids. The high performance of the raw materials used makes it possible to install systems with pipes of lower thickness compared to conventional ones, thus increasing the total water flow.



## 3LPE Pipe and Fittings Installation

3 LPE coating refers to the multi-layer coating, it has 3 layers in total. A high performance Fusion Bonded Epoxy (FBE) primer, followed by a copolymer adhesive and an outer layer of polyethylene which provides tough, durable protection. Under the moderately high temperature the 3 LPE coating can offer the protection for the small and large diameters pipelines.



# Trading Industrial MEP Material

- Heat shrinkable sleeves
- Closure patches
- Puf chemical
- 3DC cable for LDS
- FLANGES
- VALVE



Butt Fusion Welding Machine



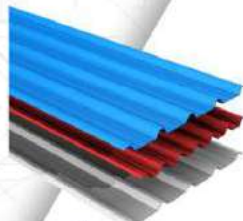
Sandwich Panel for Roof



Decking Sheet



Single Skin Sheets



# Trading Fasteners



- Nuts & Washers
- Coatings
- Customized Coating System
- Anchor Bolts
- FLANGES
- Threaded Rods/Tie Rods



# Building Construction

- Serving large industrial projects.
- Building Specialized Contracting CO - Building Construction
- Building Construction
- BSCC offers a comprehensive services of building constructions ranging from General Contracting and Construction Management services
- Building Specialized Contracting CO - Earth and Road Works
- Earth and Road Works
- Providing multiple types of road works including services that vary from excavation, blading or piling of earth in connection with an engineering operation
- Building Specialized Contracting CO - Maintenance and Repairs
- Maintenance and Repairs
- Ensuring buildings and assets retain a good appearance and facilities operate at optimum efficiency

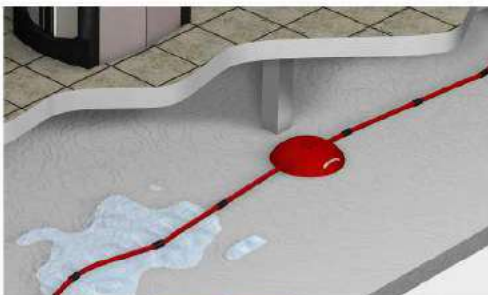


- Building Specialized Contracting CO - Equipment
- Equipment
- We ensure providing the highest quality tools and heavy equipment
- Building Specialized Contracting CO - Furnishing
- Furnishing
- BSCC provides furnishing services to accommodate with the constructed buildings, to prepare a full outstanding vision for your project
- Building Specialized Contracting CO - Landscaping
- Landscaping
- Modifying visible features to enhance the appearance and improve its appealing to elements



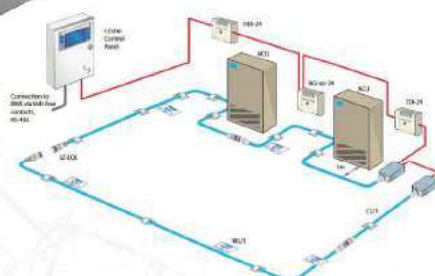
## Dewatering

Dewatering is a term to describe the removal of groundwater or surface water from for example a construction site. In construction the water is pumped from wells or sumps to temporarily lower the groundwater levels, to allow excavation in dry and stable conditions below natural groundwater level.



## Leak Detection systems

Internal leak detection systems are one of the most common technologies used to detect a leak. Common pipeline leak detection technologies use point sensors to track flow rates, as well as apply mathematical and statistical computations to monitor flow rates, pressures, temperatures and product characteristics.



- ▶ Data Center
- ▶ Public & Commercial Buildings
- ▶ Technical Rooms
- ▶ Laboratories , Cleanrooms
- ▶ Transport
- ▶ Chilled Water Pipes & Risers

## HVAC Air Duct work FCU Unit Installation Work

Supply and installation of all ducting works in galvanized steel sheet (unless otherwise indicated or specified) and shall comply with SMACNA Low Pressure Duct. Ductworks shall include but not limited to elbows, tees, reducers, casing, construction, access doors, hangers, anchors supports, duct joints, flexible ducts, volume dampers, fire dampers, fire doors, damper actuator, motorize relief dampers, duct connections, air deflectors, duct sleeves, penetration of casing, casing curb details, hood construction and other accessories including drive slip, inside groove seam, Pittsburgh seam, sliding seam, standing seam, expansion shield, mechanical joint clip, non-flammable adhesive mastic, continuous corner bead, angle bars and other necessary accessories, etc.



# Heavy Equipment Rental



- ▶ Cranes
- ▶ Roller Compactor
- ▶ Dump Truck
- ▶ Excavator
- ▶ Concrete Mixer
- ▶ Forklift



- ▶ Bus
- ▶ Trailer
- ▶ Mini Van
- ▶ Tankers
- ▶ Pick-Up
- ▶ Bulldozers



- ▶ Welding Machines
- ▶ Welding Generator
- ▶ Air compressors
- ▶ Power Generators
- ▶ Tower lights





## OUR CLIENTS



## Company Documents

Company Documents

