

## Sterk Staal B.V

Quality Dutch Piping



www.sterkstaal.com



## I Founder's Message

Sterk Staal is Dutch for Strong Steel. This is the underlying vision and driving force of our company – to supply our clients with steel piping solutions that strengthen their projects and meets all end goals. At Sterk Staal, we assure you the best client experience, along with premium quality products. Our team of experts has resulted in years of industry experience embedded in Sterk's DNA, ensuring that we equip you with the best possible solutions for all your project needs.

Our ability to perform and supply better than yesterday, foresee industry needs and meet demand effectively and as per prescribed standards, has resulted in Sterk Staal's global presence that continues to grow. With each country that we expand to, we will continue to stay committed to our clients and provide them with the best of service and products.

## About Us

Headquartered in The Netherlands, Sterk Staal is a globally renowned producer of various grades of steel products catering to several industries, particularly the oil and gas sector. Our strength lies in our technological expertise, combined with highly skilled manpower. Our expansive range of globally compliant products boasts of innovation dictated by years of industry expertise. Our products are subjected to extremely strict quality control to ensure only the best products are supplied to our clients.

Our commitment to our clients, effective logistics and planning solutions, as well as a strategic partnerships, have solidified our presence around the world. We currently work with clients across 42 countries, with a strong presence and alliance in the Middle East.

With several years of leadership experience embedded in our senior management, our growth is largely contributed to understanding the client's needs and delivering on our promises. We believe in adhering to strict quality assurance and management that meets the requirements of the international standards ISO 9001:2015.

## **I Vision & Values**



Our strong and long-lasting products have resulted us in becoming a preferred provider for our customers.



Our business is dictated by punctuality and our ability to meet strict deadlines to fulfil orders with even the shortest lead time.



Our effort to always provide you with the best allows us to always exceed expectations and solidify our position in the global markets.



Our team is always fully engaged with our customers to deliver the best results, in line with the project reauirements.



Our years of experience ensures you always purchase the right products, thus effectively making us an intelligent choice for any client.

## Industries We Serve



**OIL AND GAS** 



WATER TREATMENT



**DESALINATION** 



**FABRICATION** 



POWER



PETROCHEMICAL



MARINE

## Products & Materials

Our products are manufactured from the finest base materials which are carefully sourced from Tier 1 steel mills across the globe.

Our material range includes:

- Carbon Steel
  Duplex
- Stainless Steel
  Super Duplex

We produce a wide range of steel piping products such as:

### PIPES

Sterk Staal has a wide offering of Seamless and Welded (ERW and EFW) pipes that adhere to the ASTM A106, A333, A312, A358 and A790 standards.

Size Range: 1/4 inch to 36 inches Wall Thickness: Sch 5 to XXS Grades: X42, Gr. 6, 304/L, 316/L, S31803, S32750/60

## **BUTT WELD FITTINGS**

Comprehensive range of all butt weld fittings including 90D Elbows, 45D Elbows, Tees, Reducing Tees, Concentric Reducers, Eccentric Reducers and Caps.

Size Range: 1/4 inch to 60 inches Wall Thickness: Sch 5 to XXS Grades: 234WPB, WPL6, 304/L, 316/L, S31803, S32750/60

### **FLANGES**

Our Slip On, Weld Neck, Blind, Socket Weld, Screwed flanges are carefully engineered to exactly meet industry requirements of ASTM and ASME A105 and A182 that suit dimensional standards B16.5 and B16.47 (Series A and Series B).

Size Range: 1/4 inch to 60 inches Grades: A105, 304/L, 316/L, F51, F53, F60 Class: ANSI (150 – 2500) and DIN (PN6 – PN63) Wall Thickness: Sch 5 to XXS Flange Facing: RF and RTJ

#### **FORGED FITTINGS**

Low and High pressure Socket Weld and Threaded (NPT/BSP) fittings including 90D Elbows, 45D Elbows, Tees, Reducing Tees, Couplings, Reducing Bushes, Nipples (Hex and Round), Reducing Nipples, Unions, Caps and O'lets.

**Grades**: A105, 304/L, 316/L, F51, F53, F60 **Class:** 150, 1000, 2000, 3000, 6000, 9000

### Wall Thickness Chart

#### ASTM A312, A358, A778, A53, A106, API 5L ASME/ANSI B36.19 B36.10

Nominal	Outside Diameter		Wall thickness: mm														Figures based on austenitic steel			
Pipe Size Inches	in	mm	SCH 10	SCH 20	SCH 30	SCH STD	SCH 40	SCH 60	SCH XS	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	SCH XXS	SCH 5 S	SCH 10 S	SCH 40 S	SCH 80 S	
1/8	0.405	10.29	1.24			1.73	1.73		2.41	2.41							1.24	1.73	2.41	
1/4	0.540	13.72	1.65		1.85	2.24	2.24		3.02	3.02							1.65	2.24	3.02	
3/8	0.675	17.15	1.65		1.85	2.31	2.31		3.2	3.2							1.65	2.31	3.2	
1/2	0.840	21.34	2.11		2.41	2.77	2.77		3.73	3.73				4.78	7.47	1.65	2.11	2.77	3.73	
3/4	1.050	26.67	2.11		2.41	2.87	2.87		3.91	3.91				5.56	7.82	1.65	2.11	2.87	3.91	
1	1.315	33.40	2.77		2.90	3.38	3.38		4.55	4.55				6.35	9.09	1.65	2.77	3.38	4.55	
1 1/4	1.660	42.16	2.77		2.97	3.56	3.56		4.85	4.85				6.35	9.7	1.65	2.77	3.56	4.85	
1 1/2	1.900	48.26	2.77		3.18	3.68	3.68		5.08	5.08				7.14	10.15	1.65	2.77	3.68	5.08	
2	2.375	60.33	2.77		3.18	3.91	3.91		5.54	5.54				8.74	11.07	1.65	2.77	3.91	5.54	
2 1/2	2.875	73.03	3.05		4.78	5.16	5.16		7.01	7.01				9.35	14.02	2.11	3.05	5.16	7.01	
3	3.500	88.90	3.05		4.78	5.49	5.49		7.62	7.62				11.13	15.24	2.11	3.05	5.49	7.62	
3 1/2	4.000	101.60	3.05		4.78	5.74	5.74		8.08	8.08				-	-	2.11	3.05	5.74	8.08	
4	4.500	114.30	3.05		4.78	6.02	6.02		8.56	8.56		11.13		13.49	17.12	2.11	3.05	6.02	8.56	
5	5.563	141.30	3.4			6.55	6.55		9.53	9.53		12.7		15.88	19.05	2.77	3.40	6.55	9.53	
6	6.625	168.28	3.4			7.11	7.11		10.97	10.97		14.27		18.26	21.95	2.77	3.40	7.11	10.97	
8	8.625	219.08	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	2.77	3.76	8.18	12.7	
10	10.750	273.05	4.19	6.35	7.80	9.27	9.27	12.7	12.7	15.09	18.26	21.44	25.4	28.58	25.4	3.4	4.19	19.27	12.7	
12	12.750	323.85	4.57	6.35	8.38	9.53	10.31	14.27	12.7	17.48	21.44	25.4	28.58	33.32	25.4	3.96	4.57	9.52	12.7	
14	14.000	355.60	6.35	7.92	9.53	9.53	11.13	15.09	12.7	19.05	23.83	27.79	31.75	35.71	35.71	3.96	4.78			
16	16.000	406.40	6.35	7.92	9.53	9.53	12.7	16.66	12.7	21.44	26.19	30.96	36.53	40.49	40.49	4.19	4.78			
18	18.000	457.20	6.35	7.92	11.13	9.53	14.27	19.05	12.7	23.88	29.36	34.93	39.67	45.24	45.24	4.19	7.78			
20	20.000	508.00	6.35	9.53	12.7	9.53	15.09	20.62	12.7	26.19	32.54	38.1	44.45	50.01	50.01	4.78	5.54			
22	22.000	558.80	6.35	9.53	12.7	9.53	-	22.23	12.7	28.58	34.93	41.28	47.63	53.98	53.97	4.78	5.54			
24	24.000	609.60	6.35	9.53	14.27	9.53	17.48	24.61	12.7	30.96	38.89	46.02	52.37	59.54	59.54	5.54	6.35			
26	26.000	660.00	6.35	12.7	-	9.53	-		12.7											
28	28.000	711.20	6.35	12.7	15.88	9.53	-		12.7											
30	30.000	762.00	6.35	12.7	15.88	9.53	-		12.7							6.35	7.92			
32	32.000	812.80	6.35	12.7	15.88	9.53	17.48		12.7											
34	34.000	863.60	6.35	12.7	15.88	9.53	17.48		12.7											
36	36.000	914.40	6.35	12.7	15.88	9.53	19.05		12.7											
38	38.000	965.20				9.53			12.7											
40	40.000	1016.00				9.53			12.7											
42	42.000	1066.80				9.53			12.7											
44	44.000	1117.60				9.53			12.7											
46	46.000	1168.40				9.53			12.7											
48	48.000	1219.20				9.53			12.7											
52	52.000	1321.00				9.53			12.7											
56	56.000	1422.00				9.53			12.7											
60	60.000	1524.00				9.53			12.7											
72	72.000	1829.00				9.53			12.7											



## I Our Quality

As an ISO 9001-2015 certified company, Sterk Staal sources its raw materials from Tier 1 mills combined with fine workmanship thus ensuring the finest finished products.



# I Certification and Testing

All products come with EN10204 3.1 certification from the mill. We can also certify our products for EN10204 3.2 using reputed third party inspectors.

Additional testing is also conducted to ensure that we always supply the highest grade that meets your requirements and expectations.



NON-DESTRUCTIVE TEST



PMI



ULTRASONIC TESTING



VISUAL AND DIMENSIONAL CHECK



LIQUID PENETRANT EXAMINATION

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