

LND E E

CORPORATION



Pipes & Fittings
Manufacturers



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Company Profile

LNDEE is one of the Leading Steel Manufacturing Industry in the region. We aim at Complete Satisfaction of Our End User and we manufacture our Materials with the most Advanced Technology and Process. Our Extensive Range of Products has made a Drastic Presence in the market. Our Product Range of Materials Stock more than 25 Tons. Our Company was established in 1982 with a plan of execution for the upcoming years with in mind of market scenario. The Company has been constantly maintaining the manufacturing Standards and Quality, thanks to our Quality

team, which has helped in evolving as such a big Manufacturer in Recent International market. Our plant covers an area an area of over 55 k square meters and construction area of 6800m² with over 250 people in the Plant for Handling and Over 10 divisions of Supervision. We are able to Produce and Deliver over 15000 Metric Tons of Materials Annually. We are known for on time Process execution and timely delivery of our Products. We always keep our Clients at complete satisfaction.



Products Range

LNDEE stocks raw materials of the following:

Carbon Steel ,Mild Steel,Stainless Steel,Steels for Low Temperature,High Yield Carbon Steel, Low Alloy Steels, Nickel Alloys, Construction Steels and Copper Alloys.

Our Product Ranges are as Follows.

- Pipes (Seamless & ERW)
- Butt Welded Fittings

Size Ranges:

Less than 25mm upto 1800 mm

Wrought Steel Butt-Welding Fittings

(Carbon and Alloy Steel)



45° Elbow (Long)



Cap



90° Elbow (Long)



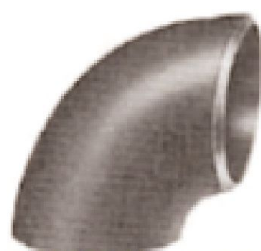
180° Elbow (Long)



T (Straight)



Reducer (Concentric)



90° Elbow (Short)



180° Elbow (Short)

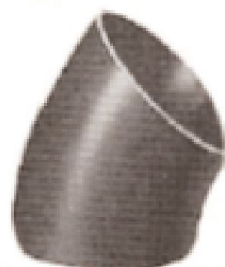


T (Reducing)



Reducer (Eccentric)

Large Diameter Wrought Steel Butt-Welding Fittings (Carbon, Alloy and Stainless Steel)



45° Elbow (Long)



90° Elbow (Long)



T (Straight)



Reducer (Concentric)



Cap



90° Elbow (Short)

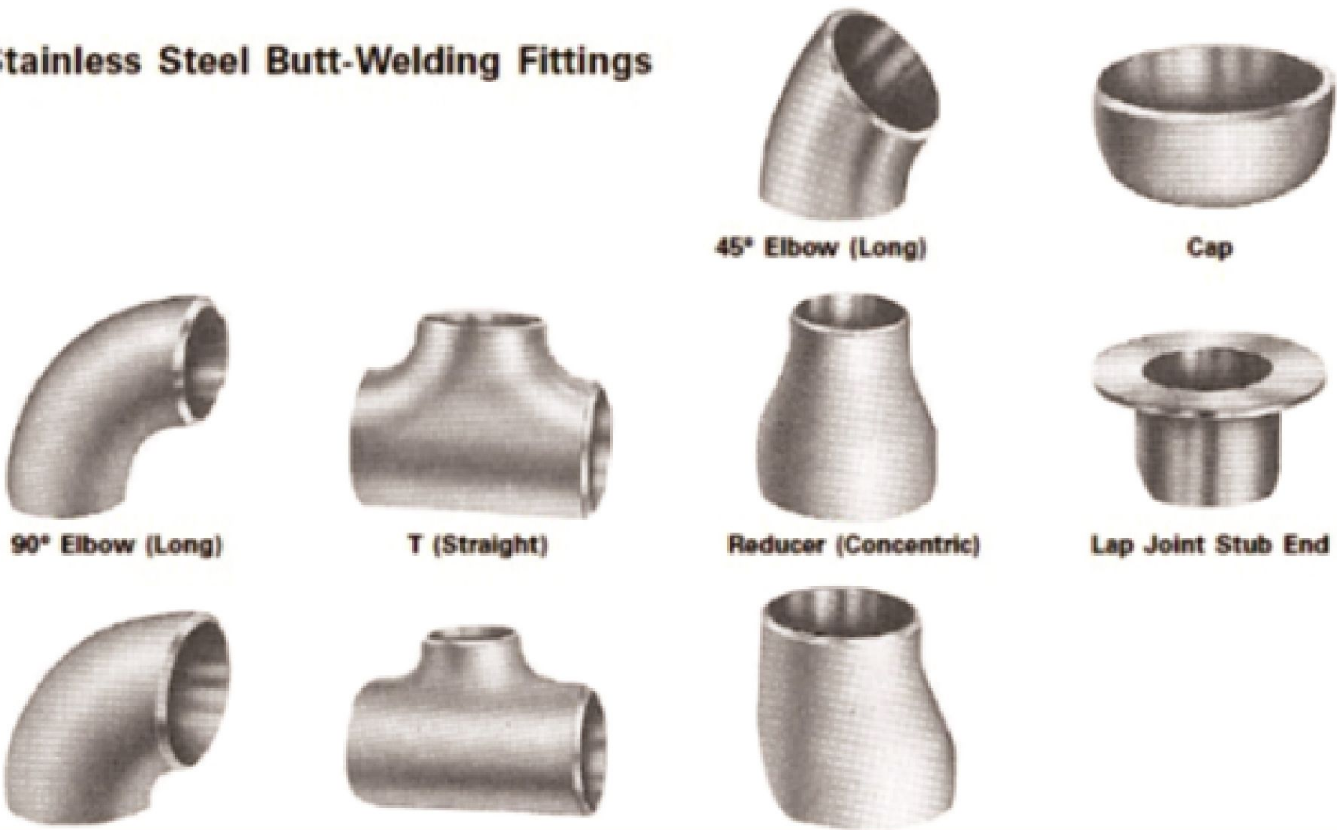


T (Reducing)



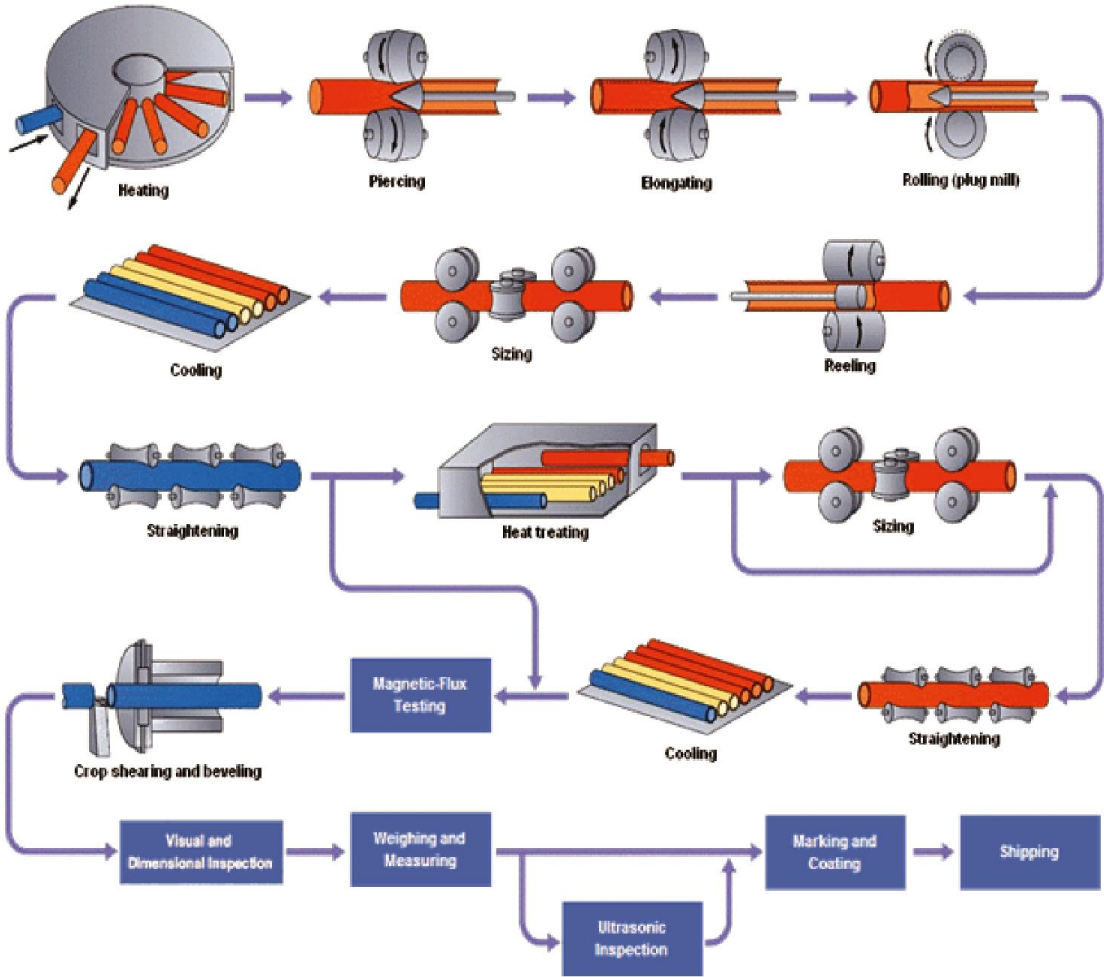
Reducer (Eccentric)

Stainless Steel Butt-Welding Fittings

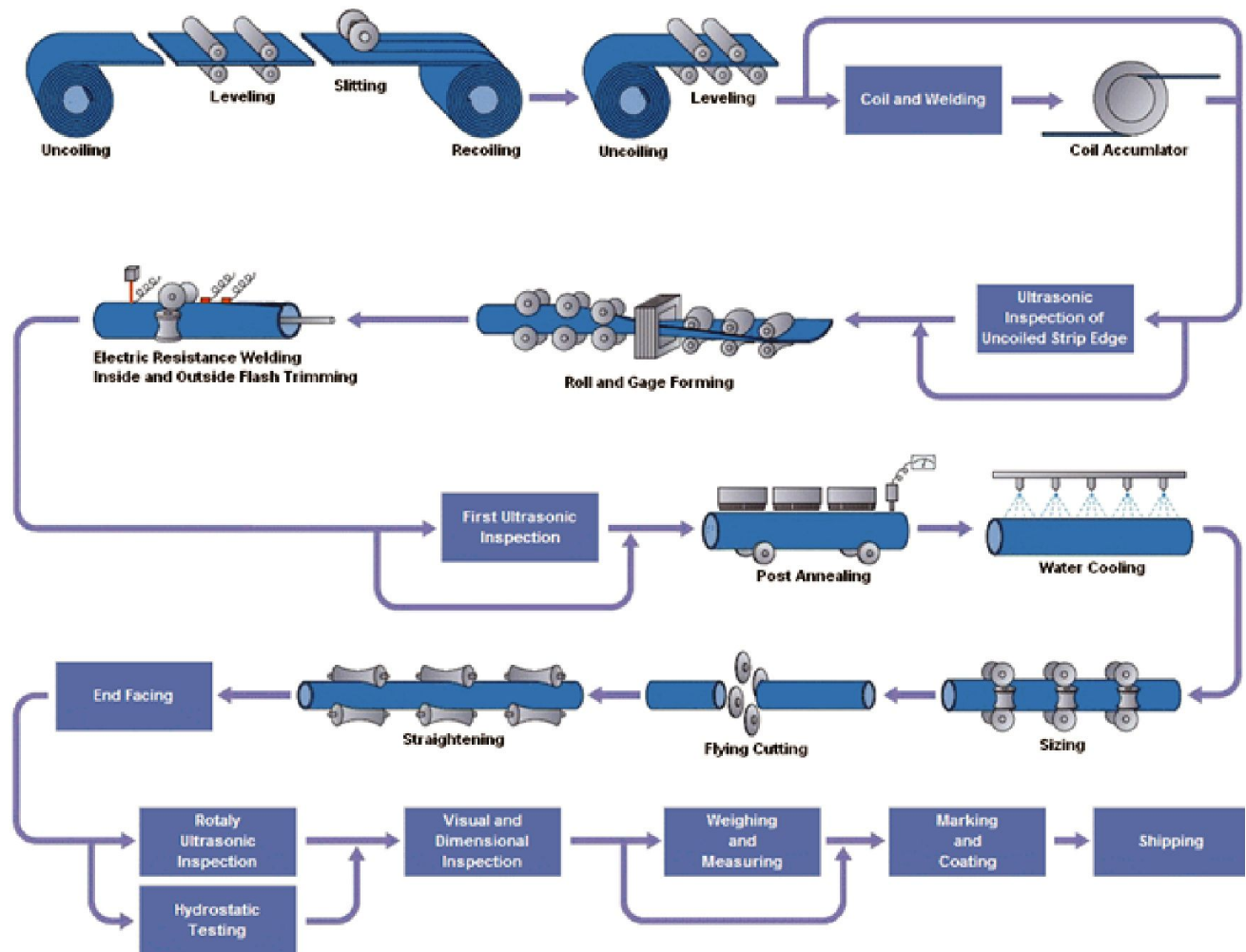


Manufacturing Process

Seamless Pipes



ERW Pipes



Material Applicable Standards

ASTM A234/A234M

Standard Specification for
Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service

Grade and Marking Symbol
WPB, WPC, WP1, WP12 CL1, WP12 CL2, WP11 CL1, WP11 CL2, WP11 CL3, WP22 CL1, WP22 CL3, WP5 CL1, WP5 CL3, WP9 CL1, WP9 CL3, WPR, WP91, WP911, WP92

ASTM A420/A420M

Standard Specification for
Piping Fittings of Wrought Carbon and Alloy Steel for Low-Temperature Service

Grade and Marking Symbol
WPL6, WPL9, WPL3, WPL8

ASTM A403/A403M

Standard Specification for
Wrought Austenitic Stainless Steel Piping Fittings

Grade and Marking Symbol
WPXM-19, WP304, WP304L, WP304H, WP304L, WP309, WP310S, WPS31254, WP316, WP316L, WP316H, WP316N, WP316LN, WP317, WP317L, WPS31725, WP31726, WP321, WP321H, WPS33228, WPS34565, WP347, WP347H, WP348, WP348H, WPS38815

ASTM A815/A815M

Standard Specification for
Wrought Ferritic, Ferritic/Austenitic, and Martensitic Stainless Steel

Grade and Marking Symbol (extract)
Ferritic/Austenitic Stainless Steel WPS31803, WPS32101, WPS32750, WPS32950, WPS32760, WPS39274, WPS32550 WPS32205

ASTM A860/A860M

Standard Specification for
Wrought High-Strength Low-Alloy Steel Butt-Welding Fittings

Grade and Marking Symbol
WPHY42, WPHY46, WPHY52, WPHY60, WPHY65, WPHY70

ASTM B366

Standard Specification for
Factory-Made Wrought Nickel and Nickel Alloy Fittings

Grade and Marking Symbol (extract)
WPN, WPNL, WPNC, WPHX, WPHG, WPHC22, WPHG30, WPHC4, WPNC1, WPNCMC, WPHG3, WP20CB, WPNIC, WPNIC10, WPNIC11, WPNICMC, WP904L, WPHB, WPHC276, WPHB-2

MSS SP-75

Standard Specification for
High-Test, Wrought, Butt-Welding Fittings

Grade and Marking Symbol
WPHY-42, WPHY-46, WPHY-52, WPHY-56, WPHY-60, WPHY-65, WPHY-70

Wall Thickness Chart

Nominal Pipe Size		Outside Diameter	Nominal Wall Thickness							
A	B		Sch5S	Sch10S	Sch40S	Sch80S	Sch5	Sch10	Sch20	Sch30
8	1/4	13.7	—	1.65	2.2	3.0	—	1.65	—	1.9
10	3/8	17.1	—	1.65	2.3	3.2	—	1.65	—	1.9
15	1/2	21.3	1.65	2.1	2.8	3.7	1.65	2.1	—	2.4
20	3/4	26.7	1.65	2.1	2.9	3.9	1.65	2.1	—	2.4
25	1	33.4	1.65	2.8	3.4	4.5	1.65	2.8	—	2.9
32	1-1/4	42.2	1.65	2.8	3.6	4.9	1.65	2.8	—	3.0
40	1-1/2	48.3	1.65	2.8	3.7	5.1	1.65	2.8	—	3.2
50	2	60.3	1.65	2.8	3.9	5.5	1.65	2.8	—	3.2
65	2-1/2	73.0	2.1	3.0	5.2	7.0	2.1	3.0	—	4.8
80	3	88.9	2.1	3.0	5.5	7.6	2.1	3.0	—	4.8
90	3-1/2	101.6	2.1	3.0	5.7	8.1	2.1	3.0	—	4.8
100	4	114.3	2.1	3.0	6.0	8.6	2.1	3.0	—	4.8
125	5	141.3	2.8	3.4	6.6	9.5	2.8	3.4	—	—
150	6	168.3	2.8	3.4	7.1	11.0	2.8	3.4	—	—
200	8	219.1	2.8	3.8	8.2	12.7	2.8	3.8	6.4	7.0
250	10	273.0	3.4	4.2	9.3	12.7	3.4	4.2	6.4	7.8
300	12	323.8	4.0	4.6	9.5	12.7	4.0	4.6	6.4	8.4
350	14	355.6	4.0	4.8	9.5	12.7	4.0	6.4	7.9	9.5
400	16	406.4	4.2	4.8	9.5	12.7	4.2	6.4	7.9	9.5
450	18	457.2	4.2	4.8	9.5	12.7	4.2	6.4	7.9	11.1
500	20	508.0	4.8	5.5	9.5	12.7	4.8	6.4	9.5	12.7
550	22	558.8	4.8	5.5	—	—	4.8	6.4	9.5	12.7
600	24	609.6	5.5	6.4	9.5	12.7	5.5	6.4	9.5	14.3
650	26	660.4	—	—	—	—	—	7.9	12.7	—
700	28	711.2	—	—	—	—	—	7.9	12.7	15.9
750	30	762.0	6.4	7.9	—	—	6.4	7.9	12.7	15.9
800	32	812.8	—	—	—	—	—	7.9	12.7	15.9
850	34	863.6	—	—	—	—	—	7.9	12.7	15.9
900	36	914.4	—	—	—	—	—	7.9	12.7	15.9
950	38	965.2	—	—	—	—	—	—	—	—
1000	40	1016.0	—	—	—	—	—	—	—	—
1050	42	1066.8	—	—	—	—	—	—	—	—
1100	44	1117.6	—	—	—	—	—	—	—	—
1150	46	1168.4	—	—	—	—	—	—	—	—
1200	48	1219.2	—	—	—	—	—	—	—	—

Nominal Wall Thickness										Nominal Pipe Size	
STD	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS	A	B
2.2	2.2	—	3.0	3.0	—	—	—	—	—	8	1/4
2.3	2.3	—	3.2	3.2	—	—	—	—	—	10	3/8
2.8	2.8	—	3.7	3.7	—	—	—	4.8	75	15	1/2
2.9	2.9	—	3.9	3.9	—	—	—	5.6	78	20	3/4
3.4	3.4	—	4.5	4.5	—	—	—	6.4	9.1	25	1
3.6	3.6	—	4.9	4.9	—	—	—	6.4	9.7	32	1-1/4
3.7	3.7	—	5.1	5.1	—	—	—	7.1	10.2	40	1-1/2
3.9	3.9	—	5.5	5.5	—	—	—	8.7	11.1	50	2
5.2	5.2	—	7.0	7.0	—	—	—	9.5	14.0	65	2-1/2
5.5	5.5	—	7.6	7.6	—	—	—	11.1	15.2	80	3
5.7	5.7	—	8.1	8.1	—	—	—	—	—	90	3-1/2
6.0	6.0	—	8.6	8.6	—	11.1	—	13.5	17.1	100	4
6.6	6.6	—	9.5	9.5	—	12.7	—	15.9	19.1	125	5
7.1	7.1	—	11.0	11.0	—	14.3	—	18.3	21.9	150	6
8.2	8.2	10.3	12.7	12.7	15.1	18.3	20.6	23.0	22.2	200	8
9.3	9.3	12.7	12.7	15.1	18.3	21.4	25.4	28.6	25.4	250	10
9.5	10.3	14.3	12.7	17.5	21.4	25.4	28.6	33.3	25.4	300	12
9.5	11.1	15.1	12.7	19.1	23.8	27.8	31.8	35.7	—	350	14
9.5	12.7	16.7	12.7	21.4	26.2	31.0	36.5	40.5	—	400	16
9.5	14.3	19.1	12.7	23.8	29.4	34.9	39.7	45.2	—	450	18
9.5	15.1	20.6	12.7	26.2	32.5	38.1	44.5	50.0	—	500	20
9.5	—	22.2	12.7	28.6	34.9	41.3	47.6	54.0	—	550	22
9.5	17.5	24.6	12.7	31.0	38.9	46.0	52.4	59.5	—	600	24
9.5	—	—	12.7	—	—	—	—	—	—	650	26
9.5	—	—	12.7	—	—	—	—	—	—	700	28
9.5	—	—	12.7	—	—	—	—	—	—	750	30
9.5	17.5	—	12.7	—	—	—	—	—	—	800	32
9.5	17.5	—	12.7	—	—	—	—	—	—	850	34
9.5	19.1	—	12.7	—	—	—	—	—	—	900	36
9.5	—	—	12.7	—	—	—	—	—	—	950	38
9.5	—	—	12.7	—	—	—	—	—	—	1000	40
9.5	—	—	12.7	—	—	—	—	—	—	1050	42
9.5	—	—	12.7	—	—	—	—	—	—	1100	44
9.5	—	—	12.7	—	—	—	—	—	—	1150	46
9.5	—	—	12.7	—	—	—	—	—	—	1200	48

Weight Data For Butt Weld Fittings

Nominal Pipe Size	WEIGHT (Kg)									
	90° LONG		90° SHORT		TEE		CAP		REDUCER	
	STD	XS	STD	XS	STD	XS	STD	XS	STD	XS
1/2	0.08	0.10	—	—	0.08	0.11	0.04	0.05	—	—
3/4	0.10	0.13	—	—	0.12	0.16	0.05	0.07	0.06	0.07
1	0.15	0.19	0.10	0.13	0.25	0.31	0.11	0.14	0.11	0.14
1-1/4	0.26	0.34	0.17	0.22	0.42	0.55	0.14	0.19	0.15	0.20
1-1/2	0.37	0.49	0.24	0.32	0.60	0.80	0.17	0.23	0.24	0.32
2	0.65	0.89	0.43	0.59	0.87	1.19	0.23	0.33	0.37	0.50
2-1/2	1.30	1.70	0.87	1.14	1.67	2.19	0.40	0.53	0.70	0.91
3	2.03	2.73	1.35	1.82	2.41	3.25	0.66	0.91	0.91	1.22
3-1/2	2.82	3.91	1.88	2.61	3.17	4.39	0.96	1.36	1.28	1.77
4	3.83	5.36	2.55	3.57	4.11	5.75	1.17	1.68	1.53	2.14
5	6.55	9.23	4.37	6.15	6.60	9.30	1.92	2.77	2.50	3.52
6	10.1	15.3	6.75	10.2	9.71	14.7	2.89	4.48	3.61	5.45
8	20.4	30.9	13.6	20.6	18.1	27.4	5.20	8.05	5.71	8.63
10	36.2	48.7	24.1	32.5	30.9	41.7	9.17	12.5	9.65	13.0
12	52.8	69.9	35.2	46.6	44.2	58.4	13.3	17.7	13.7	18.2
14	67.9	89.9	45.2	59.9	53.5	70.9	15.9	21.2	25.5	33.8
16	89.0	118.0	59.3	78.6	66.1	87.7	20.0	26.7	30.9	41.0
18	112.9	149.8	75.3	99.9	83.9	111.3	25.5	34.1	37.7	50.0
20	139.7	185.5	93.1	123.7	103.8	137.8	31.8	42.5	56.3	74.7
22	169.3	225.0	112.8	150.0	125.8	167.2	38.7	51.7	62.3	82.8
24	201.7	268.3	134.5	178.8	139.2	185.1	45.0	60.1	68.4	90.9
26	237.0	315.3	158.0	210.2	176.1	234.3	50.3	67.3	89.3	118.7
28	275.2	366.2	183.5	244.2	198.2	263.8	56.0	74.8	96.5	128.4
30	316.2	420.9	210.8	280.6	228.3	303.9	61.9	82.8	103.8	138.1
32	360.1	479.4	240.0	319.6	260.4	346.7	68.2	91.2	111.0	147.8
34	406.8	541.7	271.2	361.2	294.6	392.4	74.8	100.0	118.3	157.5
36	456.3	607.8	304.2	405.2	331.0	440.9	81.7	109.2	125.5	167.2
38	508.7	677.8	—	—	369.5	492.3	94.4	126.2	132.8	176.9
40	563.9	751.5	376.0	501.0	410.1	546.5	102.1	136.5	140.0	186.6
42	622.0	829.0	414.7	552.7	421.3	561.6	110.1	147.2	147.3	196.3
44	682.9	910.3	455.3	606.9	474.5	632.5	124.9	166.9	154.5	206.0
46	746.7	995.5	—	—	520.4	693.8	133.7	178.7	188.8	251.6
48	813.3	1,084.4	542.2	722.9	568.4	757.9	142.8	191.0	197.2	262.9

Quality

Our Quality has been tested and certified by DNV in Compliance with UNI – EN – ISO 9001:2008.

Our Products has also been approved by:

- DNV, LLRR and RINA for Construction of Body materials.
- TÜV for PED 91 / 23 / EC and AD 2000 – Merkblatt WO / TRD 100
- API In accordance to 6A / 5L
- All Major Oil & Gas Industries.



Quality Control

With our Well Equipped Laboratory and Trained Engineers and Technicians our products are actively monitored every now and then to ensure Complete Safety and Customer Satisfaction to provide our Clients with Quality Products.



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