

Steel Pipes for Pressure Lines and Flow Applications.



Seamless PIPES acc. to ASTM / ASME/ API

BIANCO GROUP



Provedora de Tubos Occidental, s.l., provides the complete range of dimensions and Steel grades for the needs of your Projects of piping, we maintain a stock of about 12.000 Tns of Steel pipes throughout our three main warehouses in Spain, located in Tarragona, Madrid and Vitoria.

We belong to the BIANCO GROUP, which means for us to have access directly over 350.000 Tns of piping materials.

Thanks to our policy of coordinated purchase and relationships with the pipe mills, we can ensure the perfect sourcing strategy for all your projects, giving you the advantage you just need in terms of price or delivery time.

Since the establishment of the first warehouse of the Bianco Group in 1958, we kept growing in business figures, in number of companies and most importantly, growing in confidence with our customers.

More than 80.000 satisfied customers over the world can witness that for our Company the customer's needs are always our priority.

Give us the chance to take part in your next Project quotation, we will be happy to prove by action that our main interest is to find the solutions you need for your Project in pipes and fittings.

Welcome to our PROTUBSA , we remain at your service anytime!



PROTUBSA in SPAIN (EUROPE)



BIANCO GROUP HEAD QUARTER in ITALY

Applications and services.



EXPERIENCE IN PROJECTS:

THERMOSOLAR PLANTS – POWER PLANTS – NATURAL GAS FACILITIES- REFINERY- OIL FIELDS

ENGINEERING COMPANIES- EPC SUPPLIES –OFFSHORE STATIONS - LNG PROCESSING

MIDSTREAM & DOWSTREAM – CHEMICAL –PETROCHEMICAL – WATER WORKS-DESALINATION.



Steel grades for supply:

SEAMLESS CARBON STEEL PIPES (SMLS CS PIPES)				BW CS FITTINGS			UNIFIED NUMBERING SYSTEM
API / ISO		ASTM / ASME		EN		ASTM / ASME	
STANDARD	GRADE	STANDARD	GRADE	STANDARD	STEEL No.	STEEL NAME GRADE	
5L/3183	B/L245	A/SA106	B	10216-2	✓ 1.0425	P235GH / P265GH 10253-2	A/SA234 WPB K03006
5L/3183	X42/L290	A/SA106	C	10208-2	✓ 1.0457	L245NB 10253-2	A/SA234 WPC K03501
5L/3183	X52/L360	...	...	10208-2	✓ 1.0429	L290NB 10253-2	
5L/3183	X60/L415	...	...	10208-2	✓ 1.0582	L360NB 10253-2	
5L/3183	X60/L415	...	...	10208-2	✓ 1.8972	L415NB 10253-2	
5L/3183	X65/L450	...	...	10208-2	✓ 1.8952	L450QB 10253-2	...

SEAMLESS LOW TEMPERATURE CARBON STEEL PIPES (SMLS LTCS PIPES)				BW LTCS FITTINGS			UNIFIED NUMBERING SYSTEM
API / ISO		ASTM / ASME		EN		ASTM / ASME	
STANDARD	GRADE	STANDARD	GRADE	STANDARD	STEEL No.	STEEL NAME GRADE	
5L/3183	X52/L360	A/SA333	6	10216-4	✓ 1.0453	P265NL 10253-2	A/SA 420 WPL6 K03006

SEAMLESS ALLOY STEEL PIPES [SMLS AS PIPES]				BW AS FITTINGS			UNIFIED NUMBERING SYSTEM
ASTM		ASME		EN		ASTM / ASME	
STANDARD	GRADE	STANDARD	GRADE	STANDARD	STEEL No.	STEEL NAME GRADE	
...	...	...	...	10216-2	✓ 1.5415	16MO3 10253-2	...
A335	P5	SA335	P5	10216-2	✓ 1.7362	X11CrMo5+NT 10253-2	A/SA234 WP5 K41545
A335	P9	SA335	P9	10216-2	✓ 1.7386	X11CrMo9-1+NT 10253-2	A/SA234 WP9 S 50400
A335	P11	SA335	P11	10216-2	✓ 1.7338	10CrMo5-5 10253-2	A/SA234 WP11 K11597
A335	P22	SA335	P22	10216-2	✓ 1.7380	10vRMo9-10 10253-2	A/SA234 WP22 K21590
A335	P91	SA335	P91	10216-2	✓ 1.4903	X10CrMovnB9-1 10253-2	A/SA234 WP91 K91560

SEAMLESS STAINLESS STEEL PIPES (SMLS SS PIPES)				BW SS FITTINGS			UNIFIED NUMBERING SYSTEM
ASTM		ASME		EN		ASTM / ASME	
STANDARD	GRADE	STANDARD	GRADE	STANDARD	STEEL No.	STEEL NAME GRADE	
A312	TP304	SA312	TP304	10216-5	✓ 1.4301	X3CrNi18-10 10253-4	A/SA403 WP304 S30400
A312	TP304L	SA312	TP304L	10216-5	✓ 1.4306	X2CrNi19-11 10253-4	A/SA403 WP304L S30403
A312	TP304LN	SA312	TP304LN	10216-5	✓ 1.4311	X2CrNi18-10 10253-4	A/SA403 WP304LN S30453
A312	TP304H	SA312	TP304H	10216-5	✓ 1.4948	X6CrNi18-10 10253-4	A/SA403 WP304H S30409
A312	TP301L	SA312	TP301L	10216-5	✓ 1.4335	X1CrNi25-21 10253-4	A/SA403 WP301L S30100
A312	TP316	SA312	TP316	10216-5	✓ 1.4401	X3CrNiMo17-12-2 10253-4	A/SA403 WP316 S31600
A312	TP316 (Mo+)	SA312	TP316 (Mo+)	10216-5	✓ 1.4436	X3CrNiMo17-13-3 10253-4	A/SA403 WP316 (Mo+) ...
A312	TP316 Cb/Nb	SA312	TP316 Cb/Nb	10216-5	✓ 1.4580	X6cCrNiMoNb17-12-2 10253-4	A/SA403 WP316Cb/Nb ...
A312	TP 316L	SA312	TP 316L	10216-5	✓ 1.4404	X2CrNiMo17-12-2 10253-4	A/SA403 WP316L S31603
A312	TP316L (Mo+)	SA312	TP316L (Mo+)	10216-5	✓ 1.4435	X2CrNiMo18-14-3 10253-4	A/SA403 WP316L (Mo+) ...
A312	TP316LN	SA312	TP316LN	10216-5	✓ 1.4406	X2CrNiMo17-12-2 * 10253-4	A/SA403 WP316LN S31653
A312	TP316LN (Mo+)	SA312	TP316LN (Mo+)	10216-5	✓ 1.4429	X2CrNiMo17-13-3 10253-4	A/SA403 WP316LN (Mo+) ...
A312	TP316H	SA312	TP316H	10216-5	✓ 1.4919	X8cRnImO17-12 ** 10253-4	A/SA403 WP316H S31609
A312	TP316Ti	SA312	TP316Ti	10216-5	✓ 1.4571	X6CrNiMoTi17-12-2 10253-4	A/SA403 WP316Ti S31635
A312	TP321	SA312	TP321	10216-5	✓ 1.4541	X6CrNiTi18-10 10253-4	A/SA403 WP321 S32100
A312	TP321H	SA312	TP321H	10216-5	✓ 1.4948	X6CrNi18-10 10253-4	A/SA403 WP321H S32109
A312	TP347	SA312	TP347	10216-5	✓ 1.4550	X6CrNiNb18-10 10253-4	A/SA403 WP347 S34700
A312	TP347H	SA312	TP347H	10216-5	✓ 1.4550	X8CrNiNb18-11 ** 10253-4	A/SA403 WP347H S34709
A312***	TP904L	SA312***	TP904L	10216-5	✓ 1.4539	X1NiCrMoCu25-20-5 10253-4	A/SA403 WP904L N08904

* = according to DIN 17006

* = according to UNI

* = ASTM/AMSE A/SA 312 referes to UNS N08904 only

DUPLEXES LIFER DUPLEX STEEL PIFES				BW DUPLEX/SUPER DUPLEX FITTINGS			UNIFIED NUMBERING SYSTEM
ASTM		ASME		EN		ASTM / ASME	
STANDARD	GRADE	STANDARD	GRADE	STANDARD	STEEL No.	STEEL NAME GRADE	
A790	S31803	SA790	S31803	10216-5	✓ 1.4462	X2CrNiMoN22-5-3 10253-4	A/SA815 S31803 S31803
A790	S32205	SA790	S32205	10088-3	✓ 1.4462	X2CrNiMoN22-5-3 10253-4	A/SA815 S32205 S32205
A790	S32550	SA790	S32550	10216-5	✓ 1.4507	X2 CrNiMoCuN25-6-3 10253-4	A/SA815 S32250 S32250
A790	S32750	SA790	S32750	10216-5	✓ 1.4410	X2CrNiMoN25-7-4 10253-4	A/SA815 S32750 S32750
A790	S32760	SA790	S32760	10216-5	✓ 1.4501	X2CrNiMoCuwn25-7-4 10253-4	A/SA815 S32760 S32760

Pipe dimensions for supply ANSI B36.10,B36.19:

Carbon Steels & Alloy Steels															Stainless Steels							
Nominal Pipe Size (in dn)	Nominal Pipe Size (in inches)	Nominal Pipe Size (in mm)	Sch 10	Sch 20	Sch 30	STD	Sch 40	Sch 60	XS	Sch 80	Sch 100	Sch 120	Sch 140	Sch 160	XXS	Sch 5S	Sch 10S	Sch 40S	Sch 80S	Sch 160	XXS	
8	1/4	13.7				2.24 0.63	2.24 0.63		3.02 0.80	3.02 0.80								1.65 0.50	2.24 0.64	3.02 0.81		
10	3/8	17.1				2.31 0.84	2.31 0.84		3.20 1.10	3.20 1.10								1.65 0.64	2.31 0.85	3.20 1.11		
15	1/2	21.3				2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.55		1.65 0.81	2.11 1.01	2.77 1.28	3.73 1.64	4.78 1.97	7.47 2.58
20	3/4	26.7				2.87 1.69	2.87 1.69		3.91 2.20	3.91 2.20				5.56 2.90	7.82 3.64		1.65 1.03	2.11 1.30	2.87 1.71	3.91 2.23	5.56 2.94	7.82 3.69
25	1	33.4				3.38 2.50	3.38 2.50		4.55 3.24	4.55 3.24				6.35 4.24	9.09 5.45		1.65 1.31	2.77 2.12	3.38 2.54	4.55 3.28	6.35 4.29	9.09 5.52
32	1 1/4	42.2				3.56 3.39	3.56 3.39		4.85 4.47	4.85 4.47				6.35 5.61	9.70 7.77		1.65 1.67	2.77 2.73	3.56 3.44	4.85 4.53	6.35 5.69	9.70 7.88
40	1 1/2	48.3				3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.25 7.34	9.56 9.13		1.65 1.92	2.77 3.15	3.68 4.10	5.08 5.49	7.14 7.34	10.16 9.68
50	2	60.3				3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48				8.74 11.11	11.07 13.44		1.65 2.42	2.77 3.98	3.91 5.51	5.54 7.58	8.74 11.26	11.07 13.62
65	2 1/2	73.0				5.16 8.63	5.16 8.63		7.01 11.41	7.01 11.41				9.53 14.92	14.02 20.39		2.11 3.74	3.05 5.33	5.16 8.75	7.01 11.56	9.53 15.12	14.02 20.66
80	3	88.9				5.49 11.29	5.49 11.29		7.62 15.27	7.62 15.27				11.13 21.35	15.24 27.68		2.11 4.58	3.05 6.54	5.49 11.44	7.62 15.48	11.13 21.63	15.24 28.05
90	3 1/2	101.6				5.74 13.57	5.74 13.57		8.08 18.63	8.08 18.63								3.05 7.51	5.74 13.75	8.08 18.88		
100	4	114.3				6.02 16.07	6.02 16.07		8.56 22.32	8.56 22.32		11.13 28.32		13.49 33.54	17.12 41.03			3.05 8.48	6.02 16.29	8.56 22.62	13.49 33.98	17.12 41.58
125	5	141.3				6.55 21.77	6.55 21.77		9.53 30.97	9.53 30.97		12.70 40.28		15.88 49.11	19.05 57.43			3.40 11.72	6.55 22.06	9.53 31.38	15.88 49.77	19.05 58.20
150	6	168.3				7.11 28.26	7.11 28.26		10.97 42.56	10.97 42.56		14.27 54.20		18.26 67.56	21.95 79.22			3.40 14.01	7.11 28.64	10.97 43.13	18.26 68.47	21.95 80.28
200	8	219.1		6.35 33.31	7.04 36.81	8.18 42.55	8.18 42.55	10.31 53.08	12.70 64.64	12.70 64.64	15.09 75.92	18.26 90.44	20.62 100.92	23.01 111.27	22.23 107.92			3.76 20.23	8.18 43.12	12.70 65.51	23.01 112.76	22.23 109.37
250	10	273.0		6.35 41.75	7.80 51.01	9.27 60.29	9.27 60.29	12.70 81.52	12.70 81.52	15.09 95.97	18.26 114.71	21.44 133.00	25.40 155.09	28.58 172.26	25.40 155.09			4.19 28.15	9.27 61.09	12.70 82.61		
300	12	323.9		6.35 49.73	8.38 65.20	9.53 73.88	10.31 79.73	14.27 108.96	12.70 97.46	17.48 132.08	21.44 159.91	25.40 186.97	28.58 208.14	33.32 238.76	25.40 186.97				9.53 74.87	12.70 98.77		
350	14	355.6		7.92 67.90	9.53 81.33	9.53 81.33	11.13 94.55	15.09 126.71	12.70 107.39	19.05 158.10	23.83 194.96	27.79 224.65	31.75 253.56	35.71 281.70								
400	16	406.4		7.92 77.83	9.53 93.27	9.53 93.27	12.70 123.30	16.66 160.12	12.70 203.53	21.44 245.56	26.19 286.64	30.96 333.19	36.53 365.36	40.49								
450	18	457.2		7.92 87.75	11.13 122.43	9.53 105.21	14.27 155.87	19.05 205.83	12.70 139.21	23.88 255.17	29.36 309.76	34.93 363.73	39.67 408.45	45.24 459.59								
500	20	508.0		9.53 117.15	12.70 155.12	9.53 117.15	15.09 183.42	20.62 247.83	12.70 155.12	26.19 311.17	32.54 381.53	38.10 441.49	44.45 508.11	50.01 564.81								
550	22	558.8		9.53 129.08	12.70 171.03	9.53 129.08	-	22.23 294.14	12.70 171.03	28.58 373.69	34.93 451.25	41.28 526.82	47.63 600.40	53.98 671.99								
600	24	609.6		9.53 141.02	14.27 209.50	9.53 141.02	17.48 255.24	24.61 355.02	12.70 186.94	30.96 441.78	38.89 547.33	46.02 639.58	52.37 719.63	59.54 807.63								
650	26	660.4		12.70 202.85		9.53 152.96			12.70 202.85													
700	28	711.2		12.70 218.76	15.88 272.29	9.53 164.90			12.70 218.76													
750	30	762.0		12.70 234.67	15.88 292.18	9.53 176.84			12.70 234.67													
800	32	812.8		12.70 250.58	15.88 312.07	9.53 188.78	17.48 342.83		12.70 250.58													
850	34	863.6		12.70 266.49	15.88 331.97	9.53 200.71	17.48 364.73		12.70 266.49													
900	36	914.4		12.70 282.40	15.88 351.86	9.53 212.65	17.48 386.62		12.70 282.40													
950	38	965.2				9.53 224.59			12.70 298.31													
1000	40	1016.0				9.53 236.53			12.70 314.22													
1050	42	1066.8				9.53 248.47			12.70 330.13													
1100	44	1117.8				9.53 260.45			12.70 346.10													
1150	46	1168.4				9.53 272.35			12.70 361.94													
1200	48	1219.2				9.53 284.28			12.70 377.85													

Example:

6,02 : Wall thickness in mm

16,07 : Weight in Kg/meter



Example:
6,02 : Wall thickness in mm
16,07 : Weight in Kg/meter





MILL TEST CERTIFICATES & TRACEABILITY, all products listed

in this brochure can be supplied with full mill certification to EN10204 3.1 upon request. Some specific Steels Or because of technical request we can Supply the material with full mill certification EN10204 3.2. In addition, we are able to perform supplementary testing, as well as color coding, shipping marks and third party inspection. Full traceability of materials through our supply chain from our supplier to your point of delivery is always maintained.



ISO CERTIFICATION, Protubsa operates a Quality Management System approved by Lloyd's Register of Quality Assurance to ISO 9001.



Our facilities have sufficient storage capacity to make partial deliveries within the deadlines you require. Additional services include custom cutting, plasma cutting, charter - first primer, girth welds and additional independent laboratory tests.



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