PROTUBSA

Proveedora de Tubos Occidental S.L

Hot Rolled Seamless Tubes for Mechanical and Structural Applications

LRQA CERTIFIED ISO 9001-2015

UKAS MANAGEMENT SYSTEMS 0001

Catalog BP2018/1

Index

PROTUBSA
Proveedora de Tubos Occidental S.L

Álava


Madrid


Tarragona

Proveedora de Tubos Occidental

PROTUBSA is one of wholly-owned subsidiaries of Bianco Group. Established in 1994 as distributor of steel pipes and auxiliary products was, at the beginning, located in Caldes de Montbui (Barcelona). From the beginning of its history, PROTUBSA adopted the principles of the Group; commercial ethic, work ethic, technological innovation and a flexible response to the changing demands of the times.

Thanks to professionalism and experience of our people we are able to offer a high quality service to our clients and suppliers.

Thanks to its reliability and performance, PROTUBSA has had an immediate growth in the Iberian Peninsula market in fact, already in 1999 PROTUBSA opened its second branch in Legutiano Alava with a covered area over 10.000 square meters. In the 2000s the whole group continued its expansion by opening new companies and warehouses.

PROTUBSA, following the progress of the Group in 2002 moved into a new and larger warehouse and offices able to meet the ever increasing demand of its customers. The new location, in the province of Tarragona consists of over 11.000 square/ meters.

At the end of the first decade of 2000 in the Madrid area, another site was added, including offices and a warehouse of about 5000 square meters. Thanks to the space of our warehouses and to a stock of over 12,000 tons, we can easily fulfill both day-to-day ex stock orders and large-scale projects. With over 15 years of experience in stockholding, logistic, in-house processing and sector specific requirements, PROTUBSA has a loyal and growing customer base. As part of the BIANCO GROUP, allow us to have direct access to over 160.000 tons of group stock besides the benefit of GROUP purchasing that ensure to acquire the highest quality materials at competitive rates, which allows us to pass to our customers.

Technical features

CHEMICAL COMPOSITION FOR NON-ALLOY QUALITY TUBES

Hot Finished Seamless tube to EN10297-1

STEEL GRADE	Chemical Elements (% on mass) Typical ranges for information purposes only							
	C		Si		Mn		P	S
	Min.	Max.	Min.	Max.	Min.	Max.	Max.	Max.
E235	--	0,17	--	0,35	--	1,20	0,030	0,035
E275	--	0,21	--	0,35	--	1,40	0,030	0,035
E315	--	0,21	--	0,30	--	1,50	0,030	0,035
*** S355J2H / E355 (1)**	--	0,22	--	0,55	--	1,60	0,030	0,035
*** E470 (2)**	0,16	0,22	0,10	0,50	1,30	1,70	0,030	0,035

(1) Tubes are available with double marking EN10210 S355J2H / EN 10297 E355

(2) Al ≥ 0.010%; N ≤ 0.010%; Nb ≤ 0.07%; 0.08% ≤ V ≤ 0.15%.

MECHANICAL PROPERTIES FOR NON-ALLOY QUALITY TUBES

Hot Finished Seamless tube to EN10297-1

STEEL GRADE	Delivery Condition	Yield Strength (ReH) (N/mm2 = Mpa) for nominal W.T. in mm.					Tensile Strength (Rm) (N/mm2 = Mpa) for nominal W.T. in mm.				Longitudinal Elongation % min.
		≤ 16	> 16 ≤ 40	> 40 ≤ 65	> 65 ≤ 80	> 80 ≤ 100	≤ 16	> 16 ≤ 40	> 40 ≤ 65	> 65 ≤ 100	
E235	**+AR**	235	225	215	205	195	360	360	360	340	25
E275	**+AR**	275	265	255	245	235	410	410	410	380	22
E315	**+AR**	315	305	295	280	270	450	450	450	420	21
*** S355J2H / E355 (1)**	**+AR**	355	345	335	315	295	490	490	490	470	20
*** E470 (2)**	**+AR**	470	430	--	--	--	650	600	--	--	17

* Standard stock

Available from Group stocks

CHEMICAL COMPOSITION FOR NON-ALLOY QUALITY TUBES WITH SPECIFIED IMPACT PROPERTIES

STEEL GRADE	Chemical Elements (% on mass) Typical ranges for information purposes onnly										
	C		Si		Mn		P	S	Cr	Mo	
	Min.	Max.	Min.	Max.	Min.	Max.	Max.	Max.	Max.	Min.	Max.
E275K2	--	0,2	--	0,40	0,50	1,40	0,030	0,030	0,30	--	0,10
* E355K2**	--	0,2	--	0,50	0,90	1,65	0,030	0,030	0,30	--	0,10
* E420J2 (1)	0,16	0,22	0,10	0,50	1,30	1,70	0,030	0,035	0,30	--	0,08
E460K2 (1)	--	0,2	--	0,60	1,00	1,70	0,030	0,030	0,30	--	0,10
* E490K2 (1)	0,16	0,22	0,10	0,50	1,30	1,70	0,030	0,035	0,30	--	0,08
E730K2	--	0,2	--	0,50	1,40	1,70	0,025	0,025	0,30	0,30	0,45
	Ni		Al	Cu	N	Nb	Ti	V			
	Min.	Max.	Max.	Max.	Max.	Max.	Max.	Min.	Max.		
E275K2	--	0,30	0,020	0,35	0,015	0,05	0,03	--	0,05		
* E355K2**	--	0,50	0,020	0,35	0,015	0,05	0,05	--	0,12		
* E420J2 (1)	--	0,40	0,010	0,30	0,020	0,07	0,05	0,08	0,15		
E460K2 (1)	--	0,80	0,020	0,70	0,025	0,05	0,05	--	0,20		
* E490K2 (1)	--	0,40	0,010	0,30	0,020	0,07	0,05	0,08	0,15		
E730K2	0,30	0,70	0,020	0,20	0,020	0,05	0,05	--	0,12		

(1) Nb + V ≤ 0.20%

MECHANICAL PROPERTIES FOR NON-ALLOY TUBES WITH SPECIFIED IMPACT PROPERTIES

STEEL GRADE	Delivery Condition	Yield Strength (ReH) (N/mm2 = Mpa) for nominal W.T. in mm.					Tensile Strength (Rm) (N/mm2 = Mpa)				Longitudinal Elongation % min.	Longitudinal Impact Value - 20°C (J.min.)
		≤ 16	> 16 ≤ 40	> 40 ≤ 65	> 65 ≤ 80	>80 ≤100	≤ 16	> 16 ≤ 40	> 40 ≤ 65	>65 ≤100		
E275K2	+N	275	265	255	245	235	410	410	410	380	22	40
* E355K2	+N	355	345	335	315	295	490	490	470	470	20	4
* E420J2	+N	420	400	390	370	360	600	560	530	500	19	27
E460K2	+N	460	440	430	410	390	550	550	550	520	19	40
* E590K2	+QT	590	540	480	455	420	700	650	570	520	16	40
E730K2	+QT	730	670	620	580	540	790	750	700	680	15	40

* Standard group stock

Dimensional range

Sizes, Tolerances and Masses EN10297 (E355)

W.T. mm.

O.D. mm.	6,3	7,1	8,0	8,8	10,0	11,0	12,5	14,2	16,0	17,5	20,0	22,2	25,0	28,0
26,9	3,2													
33,7	4,3	4,7	5,1	5,4	5,8									
38,0	4,9	5,4	5,9	6,3	6,9									
42,4	5,6	6,2	6,8	7,3	8,0	8,5	9,2							
44,5	5,9	6,5	7,2	7,7	8,5	9,1	9,9							
48,3	6,5	7,2	8,0	8,6	9,4	10,1	11,0							
51,0	6,9	7,7	8,5	9,2	10,1	10,9	11,9	12,9						
54,0	7,4	8,2	9,1	9,8	10,9	11,7	12,8	13,9						
57,0	7,9	8,7	9,7	10,5	11,6	12,5	13,7	15,0	16,2					
60,3	8,4	9,3	10,3	11,2	12,4	13,4	14,7	16,1	17,5	18,5				
63,5	8,9	9,9	10,9	11,9	13,2	14,2	15,7	17,3	18,7	19,9				
67,0	9,4	10,5	11,6	12,6	14,1	15,2	16,8	18,5	20,1	21,4				
70,0	9,9	11,0	12,2	13,3	14,8	16,0	17,7	19,5	21,3	22,7	24,7			
73,0	10,4	11,5	12,8	13,9	15,5	16,8	18,7	20,6	22,5	24,0	26,1			
76,1	10,8	12,1	13,4	14,6	16,3	17,7	19,6	21,7	23,7	25,3	27,7			
82,5	11,8	13,2	14,7	16,0	17,9	19,4	21,6	23,9	26,2	28,1	30,8	33,0	35,5	
88,9	12,8	14,3	16,0	17,4	19,5	21,1	23,6	26,2	28,8	30,8	34,0	36,5	39,4	
95,0	13,8	15,4	17,2	18,7	21,0	22,8	25,4	28,3	31,2	33,4	37,0	39,9	43,2	46,3
101,6	14,8	16,5	18,5	20,1	22,6	24,6	27,5	30,6	33,8	36,3	40,2	43,5	47,2	50,8
108,0	15,8	17,7	19,7	21,5	24,2	26,3	29,4	32,8	36,3	39,1	43,4	47,0	51,2	55,2
114,3	16,8	18,8	21,0	22,9	25,7	28,0	31,4	35,1	38,8	41,8	46,5	50,4	55,1	59,6
121,0	17,8	19,9	22,3	24,3	27,4	29,8	33,4	37,4	41,4	44,7	49,8	54,1	59,2	64,2
127,0	18,8	21,0	23,5	25,7	28,9	31,5	35,3	39,5	43,8	47,3	52,8	57,4	62,9	68,4
133,0	19,7	22,0	24,7	27,0	30,3	33,1	37,1	41,6	46,2	49,8	55,7	60,7	66,6	72,5
139,7	20,7	23,2	26,0	28,4	32,0	34,9	39,2	43,9	48,8	52,7	59,0	64,3	70,7	77,1
146,0	21,7	24,3	27,2	29,8	33,5	36,6	41,2	46,2	51,3	55,5	62,1	67,8	74,6	81,5
152,4	22,7	25,4	28,5	31,2	35,1	38,4	43,1	48,4	53,8	58,2	65,3	71,3	78,5	85,9
159,0	23,7	26,6	29,8	32,6	36,7	40,1	45,2	50,7	56,4	61,1	68,6	74,9	82,6	90,5
165,1	24,7	27,7	31,0	33,9	38,2	41,8	47,0	52,8	58,8	63,7	71,6	78,2	86,4	94,7
168,3	25,2	28,2	31,6	34,6	39,0	42,7	48,0	54,0	60,1	65,1	73,1	80,0	88,3	96,9
171,0	25,6	28,7	32,2	35,2	39,7	43,4	48,9	54,9	61,2	66,2	74,5	81,5	90,0	98,7
177,8	26,6	29,9	33,5	36,7	41,4	45,2	51,0	57,3	63,8	69,2	77,8	85,2	94,2	103,4
191,0	28,7	32,2	36,1	39,5	44,6	48,8	55,0	61,9	69,1	74,9	84,3	92,4	102,3	112,6
193,7	29,1	32,7	36,6	40,1	45,3	49,6	55,9	62,9	70,1	76,0	85,7	93,9	104,0	114,4
203,0	30,6	34,3	38,5	42,1	47,6	52,1	58,7	66,1	73,8	80,1	90,3	99,0	109,7	120,8
219,1	33,1	37,1	41,6	45,6	51,6	56,5	63,7	71,8	80,1	87,0	98,2	107,8	119,7	132,0
229,0	34,6	38,9	43,6	47,8	54,0	59,1	66,7	75,2	84,0	91,3	103,1	113,2	125,8	138,8
244,5	37,0	41,6	46,7	51,2	57,8	63,3	71,5	80,6	90,2	98,0	110,7	121,7	135,3	149,5
254,0	38,5	43,2	48,5	53,2	60,2	65,9	74,4	84,0	93,9	102,1	115,4	126,9	141,2	156,1
267,0	40,5	45,5	51,1	56,0	63,4	69,4	78,5	88,5	99,0	107,7	121,8	134,0	149,2	165,0
273,0	41,4	46,6	52,3	57,3	64,9	71,1	80,3	90,6	101,4	110,3	124,8	137,3	152,9	169,2
279,0	42,4	47,6	53,5	58,6	66,3	72,7	82,2	92,7	103,8	112,9	127,7	140,6	156,6	173,3
292,0	44,4	49,9	56,0	61,5	69,5	76,2	86,2	97,3	108,9	118,5	134,2	147,7	164,6	182,3
298,5		51,0	57,3	62,9	71,1	78,0	88,2	99,6	111,5	121,3	137,4	151,3	168,6	186,8
305,0		52,2	58,6	64,3	72,8	79,8	90,2	101,8	114,0	124,1	140,6	154,8	172,6	191,3
323,9		55,5	62,3	68,4	77,4	84,9	96,0	108,5	121,5	132,2	149,9	165,2	184,3	204,3
330,0				69,7	78,9	86,5	97,9	110,6	123,9	134,9	152,9	168,5	188,0	208,5
339,7				71,8	81,3	89,2	100,9	114,0	127,7	139,1	157,7	173,8	194,0	215,2
343,0				72,5	82,1	90,1	101,9	115,1	129,0	140,5	159,3	175,6	196,1	217,5
355,6				75,3	85,2	93,5	105,8	119,6	134,0	145,9	165,5	182,5	203,8	226,2
368,0				78,0	88,3	96,8	109,6	123,9	138,9	151,3	171,6	189,3	211,5	234,8
381,0				80,8	91,5	100,4	113,6	128,5	144,0	156,9	178,1	196,4	219,5	243,8
394,0				83,6	94,7	103,9	117,6	133,0	149,2	162,5	184,5	203,6	227,5	252,7
406,4			78,6	86,3	97,8	107,3	121,4	137,3	154,0	167,8	190,6	210,3	235,1	261,3
419,0			81,1	89,0	100,9	110,7	125,3	141,8	159,0	173,3	196,8	217,2	242,9	270,0
431,8					104,0	114,2	129,3	146,2	164,1	178,8	203,1	224,2	250,8	278,8
445,0					107,3	117,7	133,3	150,9	169,3	184,5	209,6	231,5	258,9	287,9
457,2			88,6	97,3	110,3	121,0	137,1	155,1	174,1	189,8	215,6	238,2	266,5	296,4
470,0			91,1	100,1	113,4	124,5	141,0	159,6	179,1	195,3	222,0	245,2	274,4	305,2
482,6						127,9	144,9	164,0	184,1	200,7	228,2	252,1	282,1	313,9
508,0				108,3	122,8	134,8	152,7	172,9	194,1	211,7	240,7	266,0	297,8	331,5
521,0				111,2	126,0	138,4	156,8	177,5	199,3	217,3	247,1	273,1	305,8	340,4
530,0						140,8	159,5	180,6	202,8	221,2	251,5	278,0	311,4	346,6
559,0					135,4	148,7	168,5	190,8	214,3	233,7	265,9	293,9	329,2	366,7
570,0								194,6	218,6	238,4	271,3	299,9	336,0	374,3
584,2							176,2	199,6	224,2	244,6	278,3	307,7	344,8	384,1
610,0					148,0	162,5	184,2	208,6	234,4	255,7	291,0	321,8	360,7	401,9
622,0								212,8	239,1	260,9	296,9	328,4	368,1	410,2
635,0							191,9	217,4	244,2	266,5	303,3	335,5	376,1	419,1
660,4					160,4	176,2	199,7	226,3	254,3	277,5	315,9	349,4	391,7	436,7
711,2						189,9	215,4	244,1	274,3	299,4	340,9	377,2	423,1	471,8
762,0											366,0	405,0	454,4	506,8
812,0											390,6	432,4	485,2	541,4
O.D. mm.	6,3	7,1	8,0	8,8	10,0	11,0	12,5	14,2	16,0	17,5	20,0	22,2	25,0	28,0

30,0	35,0	40,0	45,0	50,0	55,0	60,0	65,0	70,0	75,0	80,0	85,0	90,0	100,0	O.D. mm.
														26,9
														33,7
														38,0
														42,4
														44,5
														48,3
														51,0
														54,0
														57,0
														60,3
														63,5
														67,0
														70,0
														73,0
														76,1
														82,5
														88,9
														95,0
53,0														101,6
57,7														108,0
62,4	68,4	73,3												114,3
67,3	74,2	79,9												121,0
71,8	79,4	85,8	91,0											127,0
76,2	84,6	91,7	97,7											133,0
81,2	90,4	98,4	105,1	110,6										139,7
85,8	95,8	104,6	112,1	118,4										146,0
90,6	101,3	110,9	119,2	126,3										152,4
95,4	107,0	117,4	126,5	134,4	141,1	146,5								159,0
100,0	112,3	123,4	133,3	141,9	149,3	155,5								165,1
102,3	115,1	126,6	136,8	145,9	153,7	160,3								168,3
104,3	117,4	129,2	139,8	149,2	157,3	164,2								171,0
109,3	123,3	135,9	147,4	157,6	166,6	174,3								177,8
119,1	134,7	149,0	162,0	173,9	184,5	193,8								191,0
121,1	137,0	151,6	165,0	177,2	188,1	197,8								193,7
128,0	145,0	160,8	175,3	188,7	200,7	211,6								203,0
139,9	158,9	176,7	193,2	208,5	222,6	235,4	247,0							219,1
147,2	167,5	186,4	204,2	220,7	236,0	250,1	262,9	274,5						229,0
158,7	180,8	201,7	221,4	239,8	257,0	273,0	287,7	301,2						244,5
165,7	189,0	211,1	231,9	251,5	269,9	287,1	303,0	317,6						254,0
175,3	200,3	223,9	246,4	267,6	287,6	306,3	323,8	340,1	355,1					267,0
179,8	205,4	229,8	253,0	275,0	295,7	315,2	333,4	350,4	366,2	380,8	394,1			273,0
184,2	210,6	235,8	259,7	282,4	303,8	324,1	343,0	360,8	377,3	392,6	406,7			279,0
193,8	221,8	248,6	274,1	298,4	321,5	343,3	363,9	383,2	401,4	418,3	433,9			292,0
198,6	227,4	255,0	281,3	306,4	330,3	352,9	374,3	394,5	413,4	431,1	447,5			298,5
203,5	233,1	261,4	288,5	314,4	339,1	362,5	384,7	405,7	425,4	443,9	461,2	477,2		305,0
217,4	249,4	280,1	309,5	337,7	364,7	390,5	415,0	438,3	460,4	481,2	500,8	519,1	552,2	323,9
222,0	254,6	286,1	316,3	345,3	373,0	399,5	424,8	448,8	471,7	493,2	513,6	532,7	567,2	330,0
229,1	263,0	295,6	327,0	357,2	386,2	413,9	440,3	465,6	489,6	512,4	533,9	554,2	591,1	339,7
231,6	265,9	298,9	330,7	361,3	390,6	418,8	445,6	471,3	495,7	518,9	540,8	561,5	599,3	343,0
240,9	276,7	311,3	344,7	376,8	407,7	437,4	465,8	493,0	519,0	543,7	567,2	589,5	630,3	355,6
250,1	287,4	323,6	358,5	392,1	424,5	455,7	485,7	514,4	541,9	568,2	593,2	617,0	660,9	368,0
259,7	298,7	336,4	372,9	408,1	442,2	475,0	506,5	536,9	566,0	593,8	620,5	645,9	693,0	381,0
269,3	309,9	349,2	387,3	424,2	459,8	494,2	527,4	559,3	590,0	619,5	647,7	674,7	725,0	394,0
278,5	320,6	361,4	401,1	439,5	476,6	512,6	547,3	580,7	613,0	644,0	673,7	702,3	755,6	406,4
287,8	331,5	373,9	415,1	455,0	493,7	531,2	567,5	602,5	636,3	668,8	700,1	730,2	786,7	419,0
297,3	342,5	386,5	429,3	470,8	511,1	550,1	588,0	624,6	659,9	694,1	727,0	758,6	818,3	431,8
307,0	353,9	399,5	443,9	487,1	529,0	569,7	609,1	647,4	684,4	720,1	754,6	787,9	850,8	445,0
316,1	364,4	411,6	457,4	502,1	545,5	587,7	628,7	668,4	706,9	744,2	780,2	815,0	880,9	457,2
325,5	375,5	424,2	471,7	517,9	562,9	606,7	649,2	690,5	730,6	769,4	807,0	843,4	912,5	470,0
334,9	386,3	436,6	485,6	533,4	580,0	625,3	669,4	712,3	753,9	794,3	833,5	871,4	943,5	482,6
353,6	408,3	461,7	513,8	564,7	614,4	662,9	710,1	756,1	800,9	844,4	886,7	927,8	1.006,2	508,0
363,3	419,5	474,5	528,2	580,8	632,1	682,1	731,0	778,6	824,9	870,1	914,0	956,6	1.038,2	521,0
369,9	427,3	483,4	538,2	591,9	644,3	695,5	745,4	794,1	841,6	887,8	932,8	976,6	1.060,4	530,0
391,4	452,3	512,0	570,4	627,6	683,6	738,4	791,9	844,2	895,2	945,0	993,6	1.041,0	1.132,0	559,0
399,5	461,8	522,8	582,6	641,2	698,5	754,6	809,5	863,2	915,6	966,7	1.016,7	1.065,4	1.159,1	570,0
410,0	474,0	536,8	598,4	658,7	717,8	775,7	832,3	887,7	941,8	994,7	1.046,4	1.096,9	1.194,1	584,2
429,1	496,3	562,3	627,0	690,5	752,8	813,8	873,6	932,2	989,5	1.045,6	1.100,5	1.154,2	1.257,7	610,0
438,0	506,7	574,1	640,3	705,3	769,1	831,6	892,9	952,9	1.011,7	1.069,3	1.125,7	1.180,8	1.287,3	622,0
447,6	517,9	586,9	654,8	721,3	786,7	850,8	913,7	975,4	1.035,8	1.095,0	1.152,9	1.209,6	1.319,4	635,0
466,4	539,8	612,0	683,0	752,7	821,2	888,4	954,4	1.019,2	1.082,8	1.145,1	1.206,2	1.266,0	1.382,0	660,4
504,0	583,7	662,1	739,3	815,3	890,1	963,6	1.035,9	1.106,9	1.176,7	1.245,3	1.312,7	1.378,8	1.507,3	711,2
541,6	627,5	712,2	795,7	877,9	959,0	1.038,7	1.117,3	1.194,6	1.270,7	1.345,5	1.419,1	1.491,5	1.632,6	762,0
578,6	670,7	761,5	851,2	939,6	1.026,8	1.112,7	1.197,4	1.280,9	1.363,2	1.444,2	1.524,0	1.602,5	1.755,9	812,0
30,0	35,0	40,0	45,0	50,0	55,0	60,0	65,0	70,0	75,0	80,0	85,0	90,0	100,0	O.D. mm.

TOLERANCES

W.T.

± 12,5 %

± 15 %

± 20 %

OUTSIDER DIAMETER
± 1 % on the nominal size,
with a minimum ± 0,5 mm.

STRAIGHTNESS
For OD ≥ 33,7 mm. the maximum allowed deviation on stragthtness (in mm.) corresponds to 1,5% on the total tube length.

NOTE: the norm EN10297 does not state any tolerance on ovality, eccentricity or inner diameter: these parameters are settled by what is stated on OD and E.T.

General features

GENERAL DESCRIPTION
Tubes for mechanical applications are mainly used in those processes in which turning and CNC machines are used.
The wide size range available, with OD from 21,3 to 812 mm, gives the possibility to manufacture several kinds of components for different applications.

SIZES
All the standard sizes according to the norm and stated in the table "Sizes, tolerances and masses" are to be considered as normal stock supply. It is possible to supply also special sizes upon request and with a minimum quantity to be agreed.

TOLERANCES
The tolerances to be applied on all supplied tubes are stated by the reference norm. Upon request it is possible to arrange special supplies for tubes with more restricted tolerances.

STEEL GRADES
Our standard stock of tubes for mechanical applications consists in steel grades E355/S355J2H. It is possible to supply material in all the existing steel grades stated in this catalogue upon request and with a minimum quantity to be agreed.

CERTIFICATES AND MARKINGS
Mill test certificates (3.1 EN 10204) can be supplied with all deliveries. All tubes in random lengths are marked with manufacturer logo, steel grade and norm, size and traceability reference.

CUTTING TO FIX LENGTH
All tubes for mechanical applications can be supplied cut to fix length, the quick delivery and the quality of the service are granted by modern automatic cutting machines with band saws. The standard tolerance on fix length is – 0 / + 5 mm, more restricted tolerances can be agreed at the moment of the order.

LENGTHS

Pipes are supplied in random lengths, from 4 to 13.5 m, and cut to fix length.

ADDITIONAL WORKING PROCESSES

Upon request it is possible to supply tubes with working processes like sandblasting, boring and external turning. Tolerances and technical features are to be agreed at the time of the order.

PACKING

Tubes are loose or in bundles tightened with iron strips, according to sizes. Tubes cut to fix length are supplied stripped on a wire with polyester bands in order to unload and move the material easily. Upon request it is possible to arrange special packings: metal or wooden cases, pallets, etc.

DELIVERIES

We can use the best solution for each option and customer needs; truck, container vessel and air freight.

To say who we are, what we do and how we do it, We start with numbers:

10	countries where our Group is present
31	facilities comprising manufacturing units, warehouses and sales offices 14 operating companies 840 average number of employees
160.000	tonnage of stored goods ready for immediate delivery
255.000	square meters of production facilities and warehouses
11.000	square meters of office space
25	production facilities
113	cutting installations
36.000	number of items in stock
23.000	number of active customers on our books worldwide

An international business for the distribution of steel tubes and auxiliary products amongst the largest in Europe and America. The right partner and the right link between the world's largest producers and users large, medium or small.

Bianco Group®

In 1958 the F. G. Bianco company opened its doors in Milan as a steel tube distributor, keeping its stock at the General Warehouse in Brescia and later built its first warehouse, in the sixties, in Flero (Brescia, Italy) where Tubindistria is now located.

In 1973 Sicam SpA was incorporated with offices and warehouse in Parona Lomellina on a large site located next to the railway line on which, at the time, most the products traded by the company were transported.
In the years that followed the sons of the founder opened new tube sales companies first in England later in France, Germany, the United States, Denmark, Spain and Sweden and, most recently, in 2015 in Canada. Expansion was gradual but built on solid foundations. We are proud to say that the Bianco Group works very much like a family. Its companies are still owned by the three branches of the Bianco family who continue to play an executive role in all its various business activities.

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Other products

CHROME PLATED BARS & TUBES FOR HYDRAULIC CYLINDERS

CHROME PLATED BARS

Dimensions	DIAM. 8 to 250 mm
Tolerances	DIAM. 8 to 18 mm f8 - 20 to 250 mm f7
Steel grade (EN)	C45E, 20MnV6 (E470), 42CrMo4 + QT

CHROME PLATED TUBES

Dimensions	O.D. 12 to 120 mm - W.T. 2 to 10 mm
Tolerances	O.D. f7
Steel grade (EN)	E355
Delivery conditions	+SR (BKS), +N (NBK)

COLD DRAWN and HOT FINISHED TUBES FOR HYDRAULIC CYLINDERS

WELDED TUBES READY TO USE

Standard	EN 10305-2
Dimensions	I.D. 20 to 125 mm – W.T. 2 to 7.5mm
Tolerances	I.D ISO H9 (ISO H10 for W.T. < 4 mm)
Steel grade (EN)	E355
Delivery conditions	+C (BK), +SR (BKS), +N (NBK)

HONED or SKIVED ROLLER B. TUBES

Standard	EN 10305-1/2
Dimensions	I.D. 20 to 300 mm – W.T. 5 to 25mm Bigger dimension can be supplied in hot finished conditions (EN 10297)
Tolerances	I.D ISO H8
Steel grade (EN)	E355
Delivery conditions	+SR (BKS), +N (NBK)

TUBES SUITABLE FOR HONING or SKIVE ROLLER B.

Standard	EN 10305-1/2
Dimensions	I.D. 20 to 300 mm – W.T. 5 to 25mm Bigger dimension can be supplied in hot finished conditions (EN 10297)
Steel grade (EN)	E355
Delivery conditions	+SR (BKS), +N (NBK)

COLD DRAWN TUBES FOR HYDRAULIC and PNEUMATIC CIRCUITS

Standard	EN 10305-3/4
Dimensions	O.D. 4 to 50 mm – W.T. 0.5 to 10 mm
Steel grade (EN)	E235, E355
Delivery conditions	+N (NBK)
Surface treatment	Oiled, bonderised and oiled, galvanized white (Cr VI-free)

SEAMLESS and WELDED PIPES and ACCESSORIES FOR HYDROCARBON PROCESSING, POWER GENERATION and ONSHORE LINE PIPE

According to STD Norms EN / ASTM /API in Carbon, Low Alloy and Stainless Steel.

HOT ROLLED SEAMLESS TUBES FOR MECHANICAL and STRUCTURAL APPLICATIONS

Standard	EN 10297/ EN 10210
Dimensions	O.D. 26.9 to 812 mm – W.T. 2.3 to 100 mm
Steel grade (EN)	E355, E355K2, S355J2H, S355NH, S355NLH, E470, E590
Delivery conditions	As Rolled

COLD DRAWN PRECISION TUBES FOR MECHANICAL APPLICATIONS

Standard	EN 10305-1/2
Dimensions	O.D. 4 to 305 mm – W.T. 1 to 25 mm
Steel grade (EN)	E235, E355
Delivery conditions	+C (BK), +SR (BKS), +LC (BKW)

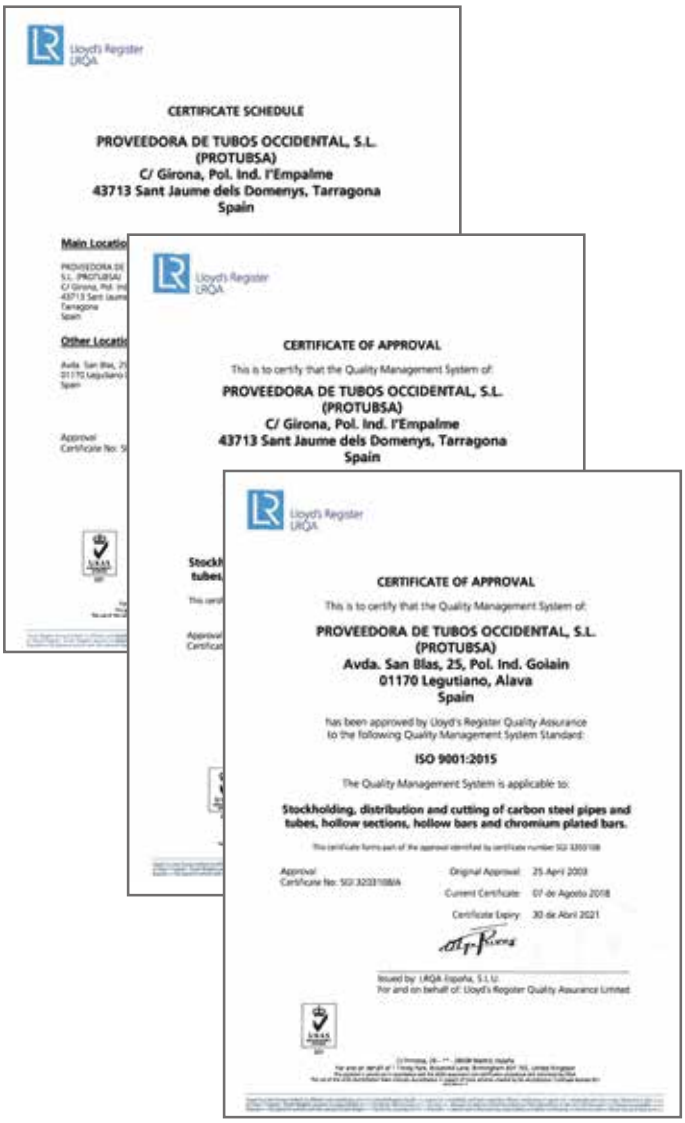
HOT FINISHED and COLD FORMED HOLLOWS SECTIONS and TUBES FOR STRUCTURAL APPLICATIONS

Standard	EN 10210 (seamless and welded hot finished) EN 10219 (welded cold formed)
Dimensions	Square 30 x 30 x 3 to 400 x 400 x 20 Rectangular 50 x 30 x 3 to 600 x 400 x 20
Round	O.D. 26.9 to 812 mm – W.T. 3 to 20 mm
Steel grade (EN)	S235JR, S275JOH, S355J2H, S355NH

ROUND ROLLED, FORGED, GROUND and DRAWN BARS

Standard	EN 10083-1 / EN 10027-1
Dimensions	DIAM. 20 to 450 mm
Steel grade (EN)	C45, S355J

Quality assurance



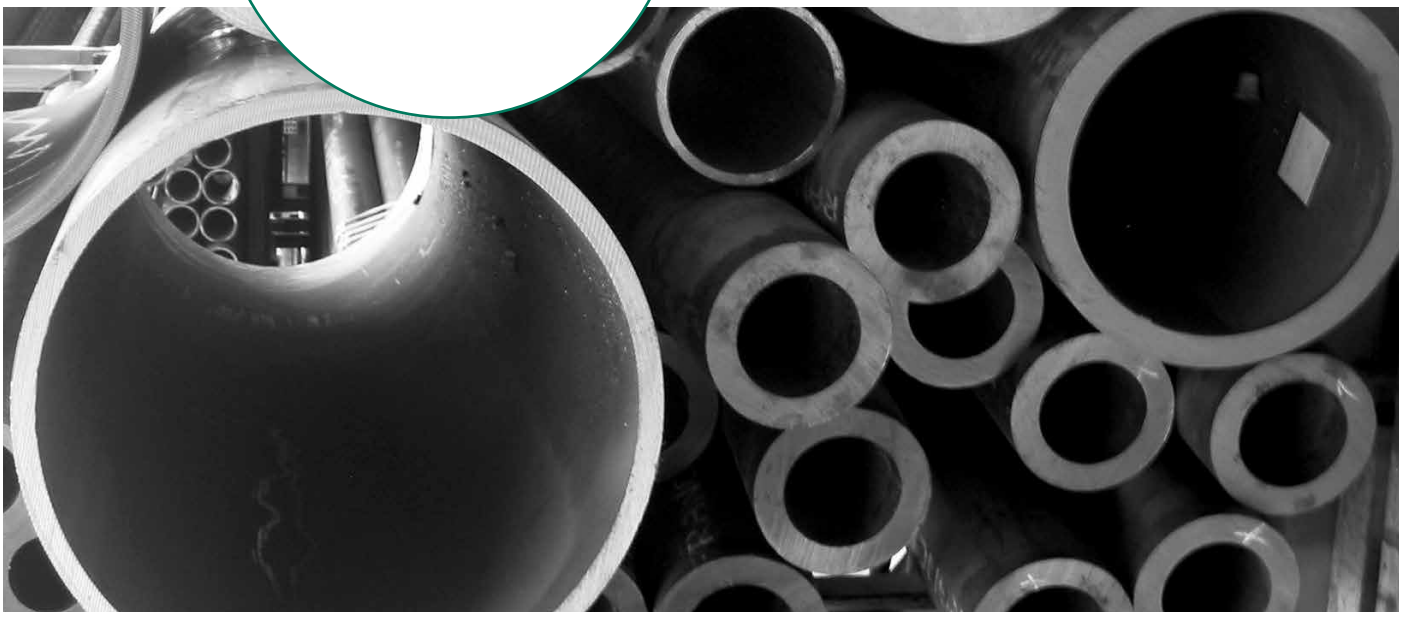
Certification as standard

A salient feature of the Group operations is the standardization of good working practices by means of general directives that each company follows.

Quality certifications

First and foremost, quality controls: the targeted procedures od analysis and control of the product quality in and out of our premises is identical across all our warehouses in every corner of the world. All group companies have a quality certification that spans all phases of operation be it commercial, administrative, technical or works centered.
All products traded by the group are supplied with a certificate of origin and quality. Supported by an internal organization itself certified and standardized through all its operating phases, the product certificate follows the material down to every small portion of cut tube. Indeed, off-cuts are either stenciled by the sawing equipment or labelled by the operator to guarantee traceability.

LRQA CERTIFIED ISO 9001-2015 — UKAS MANAGEMENT SYSTEMS 0001



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