

sicam[®]



**COMMERCIAL AND
CONSTRUCTION
TUBES**

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SOCIETÀ ITALIANA COMMERCIO ACCIAI E METALLI



Head office and warehouse in Parona Lomellina





TUBES FOR CONSTRUCTIONS

STEELS FEATURURES




MECHANICAL PROPERTIES

Steel grade	Delivery condition ¹	Yield strength min. ReH (N/mm ² =Mpa)						Tensile strength min./max. Rm (N/mm ² =Mpa)			Longitudinal elongation min. (%)				Longitudinal impact value (J min.)				
		For w.t. in mm														Test temperature (°C)			
		≤ 16	> 16 ≤ 40	> 40 ≤ 63	> 63 ≤ 80	> 80 ≤ 100	> 100 ≤ 120	≤ 3	> 3 ≤ 100	> 100 ≤ 120	≤ 40	> 40 ≤ 63	> 63 ≤ 100	> 100 ≤ 120	- 50	- 20	0	20	
S235JRH	+AR	235	225	215	215	215	195	360-510	360-510	350-500	26(24) ¹	25	24	22	-	-	-	27	
S275J0H	+AR	275	265	255	245	235	225	430-580	410-560	400-540	23(20) ¹	22	21	19	-	-	27	-	
S275J2H	+AR														-	27	-	-	
S355J0H	+AR	355	345	335	325	315	295	510-680	470-630	450-600	22(20) ¹	21	20	18	-	-	27	-	
S355J2H	+AR														-	27	-	-	
S355K2H	+AR														-	40	-	-	
		For w.t. in mm																	
		≤ 16	> 16 ≤ 40	> 40 ≤ 65				≤ 65				≤ 65							
S275NH	+N	275	265	255				370-510				24	-	40	-	-			
S275NLH					27	-	-		-										
S355NH	+N	355	345	335				470-630				22	-	40	-	-			
S355NLH					27	-	-		-										
S420NH	+N	420	400	390				520-680				19	-	40	-	-			
S420NLH					27	-	-		-										
S460NH	+N	460	440	430				540-720				17	-	40	-	-			
S460NLH					27	-	-		-										
		For w.t. in mm																	
		≤ 16	> 16 ≤ 40	-				≤ 40				≤ 40							
S275MH	+M	275	265	-				360-510				24	-	40	-	-			
S275MLH					27	-	-		-										
S355MH	+M	355	345	-				450-610				22	-	40	-	-			
S355MLH					27	-	-		-										
S420MH	+M	420	400	-				500-660				19	-	40	-	-			
S420MLH					27	-	-		-										
S460MH	+M	460	440	-				530-720				17	-	40	-	-			
S460MLH					27	-	-		-										

¹ The delivery condition + M stands for thermomechanical rolling, in case of cold finished tubes, the heat treatments are effected on the base coil, not on the finished tube.

Impact test is optional for JR and J0 classes.

(¹) According to EN 10219.

 Steels for hot finished tubes  Steels for cold finished tubes  Steels for both hot and cold finished tubes



CHEMICAL ANALYSIS

Steelgrade	CHEMICAL ELEMENTS (% on mass)														
	C	Si	Mn		P	S	Nb	V	Al	Ti	Cr	Ni	Mo	Cu	N
	max.	max.	min.	max.	max.	max.	max.	max.	min.	max.	max.	max.	max.	max.	max.
S235JRH	0.17 (0.20) ²	-	-	1.40	0.040	0.040	-	-	-	-	-	-	-	-	0.009
S275J0H	0.20 (0.22) ²	-	-	1.50	0.035	0.035	-	-	-	-	-	-	-	-	0.009
S275J2H	0.20 (0.22) ²	-	-	1.50	0.030	0.030	-	-	-	-	-	-	-	-	-
S355J0H	0.22	0.55	-	1.60	0.035	0.035	-	-	-	-	-	-	-	-	0.009
S355J2H	0.22	0.55	-	1.60	0.030	0.030	-	-	-	-	-	-	-	-	-
S355K2H	0.22	0.55	-	1.60	0.030	0.030	-	-	-	-	-	-	-	-	-
S275NH	0.20	0.40	0.50	1.40	0.035	0.030	0.050	0.08	0.020	0.03	0.30	0.30	0.10	0.35	0.015
S275NLH					0.030	0.025									
S355NH	0.20	0.50	0.90	1.65	0.035	0.030	0.050	0.12	0.020	0.03	0.30	0.50	0.10	0.35	0.020
S355NLH					0.030	0.025									
S420NH	0.22	0.60	1.00	1.70	0.035	0.030	0.050	0.20	0.020	0.03	0.30	0.80	0.10	0.70	0.025
S420NLH					0.030	0.025									
S460NH	0.22	0.60	1.00	1.70	0.035	0.030	0.050	0.20	0.020	0.03	0.30	0.80	0.10	0.70	0.025
S460NLH					0.030	0.025									
S275MH	0.13	0.50	-	1.50	0.035	0.030	0.050	0.08	0.020	0.05	-	0.30	0.20	-	0.020
S275MLH					0.030	0.025									
S355MH	0.14	0.50	-	1.50	0.035	0.030	0.050	0.10	0.020	0.05	-	0.30	0.20	-	0.020
S355MLH					0.030	0.025									
S420MH	0.16	0.50	-	1.70	0.035	0.030	0.050	0.12	0.020	0.05	-	0.30	0.20	-	0.020
S420MLH					0.030	0.025									
S460MH	0.16	0.60	-	1.70	0.035	0.030	0.050	0.12	0.020	0.05	-	0.30	0.20	-	0.025
S460MLH					0.030	0.025									

(²) for w.t. in mm >40 e ≤ 120.

DIMENSIONAL TOLERANCES

DIMENSIONAL TOLERANCES FOR "HOT FINISHED" SEAMLESS AND WELDED TUBES ACCORDING TO EN 10210-2

O.D.: ± 1%, with a min ± 0.5 mm and a max ± 10 mm.

W.T.: - 10%, in case of SEAMLESS TUBES a deviation of - 12.5 % is allowed, but it must not affect more than 25 % of the tube circumference.

Positive deviations from the nominal size are ruled by tolerances on mass.

OVALITY: for tubes with a O.D./W.T. ratio below 100, it must not exceed 2 %.

STRAIGHTNESS: GLOBAL DEVIATION: max 0.2 % on the total length of the tube.

LOCAL DEVIATION: max 3 mm on each meter length.

MASS: ± 6 % on the theoretical weight stated by the norm, to be checked on each single tube.

± 8% only for SEAMLESS tubes.

DIMENSIONAL TOLERANCES FOR "COLD FINISHED" WELDED TUBES ACCORDING TO EN 10219-2

O.D.: ± 1%, with a min ± 0.5 mm and a max ± 10 mm.

W.T.: For O.D. ≤ 406.4 mm

W.T. ≤ 5 mm tolerance ± 10 %

W.T. > 5 mm tolerance ± 0,5 mm.

For O.D. > 406.4 mm tolerance ± 10 % with ± 2 mm max.

OVALITY: for tubes with a O.D./W.T. ratio below 100, not over 2 %.

STRAIGHTNESS: GLOBAL DEVIATION: max 0.2 % on the total length of the tube.

LOCAL DEVIATION: max 3 mm on each meter length

MASS: ± 6 % on the theoretical weight stated by the norm, to be checked on each single tube.

Note: upon request it is possible to supply material with more restrictive tolerances than what stated by the norm.

TUBES FOR CONSTRUCTIONS

SEAMLESS TUBES

The round **SEAMLESS** tubes are hot rolled and satisfy both the requirements of the norm EN 10210 for structural applications and EN 10297-1 for mechanical applications. These steel tubes are fully killed and are suitable for structural applications but with the possibility to reach up to 120 mm w.t., which is impossible for welded tubes.

APPLICATIONS

These tubes are used for the manufacture of various kinds of construction components, above all where heavy w.t. are required.

NORMS

EN 10210-1/2 (structural applications)

EN 10297-1 (mechanical applications)





HOT FINISHED OR COLD FINISHED WELDED TUBES WITH BEAD TRIMMED

The round tubes are manufactured from a coil that is bent and electric resistance welded (ERW). The forming process can be according to EN 10210, which foresees hot forming or cold forming followed by heat treatment, or according to EN 10219, which foresees cold forming without following heat treatments. The finished product is fully killed and welding seam bead is inside and outside trimmed.

APPLICATIONS

These products are used to manufacture both welded and bolted structures, in the field of constructions, engineering, industrial constructions, transports, automotive, agricultural machinery and earth moving machinery. The cold finished tubes are particularly suitable for structures at sight or for aesthetical uses, thanks to the surface aspect typical of cold forming.

NORMS

"HOT FINISHED" TUBES	EN 10210-1/2
"COLD FINISHED" TUBES	EN 10219-1/2
INSIDE TRIMMING	EN 10217



DIMENSIONAL TABLE FOR HOT FINISHED AND COLD FINISHED WELDED TUBES WITH WELDING BEAD TRIMMED

O.D. mm	W.T. - mm																		
	2,3	2,6	2,9	3,2	3,6	4,0	5,0	6,3	7,0	8,0	8,8	10,0	11,0	12,5	14,2	16,0	17,5	20,0	
Mass - Kg/m																			
17,2	0,8	0,9	1,0																
21,3	1,0	1,1	1,3	1,4	1,5	1,7													
26,9	1,3	1,5	1,7	1,8	2,0	2,2	2,7	3,2											
33,7	1,7	1,9	2,2	2,4	2,6	2,9	3,5	4,2	4,6										
38,0		2,2	2,5	2,7	3,0	3,4	4,0	4,9	5,4										
42,4		2,5	2,8	3,0	3,4	3,8	4,6	5,6	6,1	6,7									
44,5		2,6	2,9	3,2	3,6	4,0	4,8	5,9	6,5	7,2									
48,3		2,9	3,2	3,5	3,9	4,4	5,3	6,5	7,2	7,9	8,6	9,4							
51,0		3,1	3,4	3,7	4,2	4,6	5,6	6,9	7,6	8,4	9,2	10,1							
54,0		3,2	3,6	4,0	4,4	4,9	6,0	7,4	8,2	9,0	9,8	10,8							
57,0		3,4	3,8	4,2	4,7	5,2	6,4	7,9	8,7	9,6	10,5	11,5							
60,3			4,1	4,5	5,0	5,6	6,8	8,4	9,3	10,3	11,2	12,4							
63,5			4,3	4,7	5,3	5,9	7,2	8,9	9,9	10,9	11,9	13,1							
70,0			4,7	5,2	5,8	6,5	8,0	9,9	11,0	12,2	13,3	14,7							
73,0			5,0	5,5	6,0	6,8	8,3	10,3	11,4	12,8	13,9	15,5	16,8	18,6					
76,1			5,2	5,7	6,4	7,2	8,7	10,9	12,1	13,4	14,6	16,3	17,6	19,6					
82,5				6,2	7,0	7,8	9,5	11,8	13,2	14,6	16,0	17,9	19,3	21,5					
88,9				6,7	7,5	8,4	10,3	12,8	14,4	15,9	17,4	19,5	21,1	23,5					
95,0				7,2	8,1	8,9	11,5	13,7	15,1	17,1	18,7	20,9	22,7	25,4					
101,6				7,8	8,7	9,7	11,9	14,8	16,6	18,4	20,1	22,6	24,5	27,4					
108,0				8,2	9,2	10,3	12,7	15,8	17,7	19,6	21,5	24,2	26,3	29,4					
114,3				8,8	9,8	11,0	13,5	16,8	18,5	20,9	22,9	25,7	28,0	31,3	35,0				
121,0				9,3	10,4	11,5	14,3	17,8	19,6	22,2	24,3	27,3	29,8	33,4	37,4				
127,0				9,7	10,9	12,1	15,0	18,7	20,7	23,4	25,7	28,8	31,4	35,2	39,5				
133,0					11,4	12,8	15,8	19,7	22,1	24,6	27,0	30,3	33,0	37,1	41,6				
139,7					12,1	13,5	16,6	20,7	23,3	25,9	28,4	32,0	34,9	39,2	43,9				
152,4					13,2	14,6	18,1	22,7	25,0	28,4	31,2	35,1	38,3	43,1	48,4				
159,0					13,8	15,4	19,0	23,7	26,6	29,6	32,6	36,7	40,1	45,1	50,7				
168,3					13,0	16,3	20,1	25,2	28,3	31,5	34,6	39,0	42,6	48,0	54,0				
177,8						17,1	21,3	26,6	29,5	33,4	36,7	41,3	45,2	50,9	57,3				
193,7						18,7	23,2	29,1	32,2	36,6	40,1	45,3	49,5	55,8	62,9				
203,0						19,6	24,4	30,5	33,8	38,4	42,1	47,5	52,0	58,7	66,1				
219,1						21,2	26,3	33,0	36,6	41,6	45,6	51,5	56,4	63,6	71,8				
244,5							29,5	37,0	40,9	46,7	51,2	57,8	63,3	71,5	80,6	90,2			
273,0							33,0	41,4	45,9	52,3	57,3	64,9	71,1	80,3	90,6	101,4			
323,9							39,3	49,3	54,7	62,3	68,4	77,4	84,9	95,9	108,4	121,5	132,2	149,9	
355,6							43,2	54,3	60,2	68,6	75,3	85,2	93,5	105,8	119,6	134,0	146,0	165,5	
406,4								62,2	68,9	78,6	86,3	97,8	107,3	121,4	137,3	154,0	167,8	190,6	
457,2								70,0	77,7	88,6	97,3	110,3	121,0	137,1	155,1	174,1	189,8	215,6	
508,0								77,9	86,5	98,6	108,3	122,8	134,8	152,8	172,9	194,1	211,7	240,7	
558,8								85,8	95,3	108,7	119,4	135,3	148,6	168,4	190,7	214,2	233,6	265,8	
609,6								93,7	104,0	118,7	130,4	147,9	162,4	184,1	208,5	234,2	255,5	290,8	



SEAMLESS COMMERCIAL TUBES AND TUBES FOR WATER AND GAS

These are round **SEAMLESS** tubes, either hot rolled or cold drawn with following heat treatment. They are supplied with plain ends, without bevels, and they can all be supplied in fixlength (tolerance $-0 / +5$ mm) and with mill test certificates 3.1 according to EN 10204. Random lengths are about 6 m.

APPLICATIONS

Commercial tubes for general applications and for heat exchangers, tubes can be welded / threaded for the construction of water or gas pipelines.





NORMS

COMMERCIAL TUBES FOR HEAT EXCHANGERS AND FOR GENERAL APPLICATIONS
 (only for what concerns the steels properties) ASTM A 106
 GAS TUBES SUITABLE FOR WELDING AND THREADING EN 10255

CHEMICAL ANALYSIS AND MECHANICAL PROPERTIES

Norm	Steel grade	Chemical elements (% on mass)											Mechanical properties		
		C	Mn		P	S	Si	Cr	Cu	Mo	Ni	V	Yield strength min. ReH (N/mm ² =Mpa)	Tensile strength min. Rm (N/mm ² =Mpa)	Longitudinal elongation min. %
			max.	min.											
Commercial tubes (steel according to ASTM A 106)	Grade B	0.30	0.29	1.06	0.035	0.035	0.10	0.40	0.40	0.15	0.40	0.08	240	415	30 ¹
Gas pipes EN 10255	S195T	0.20	-	1.40	0.035	0.030	-	-	-	-	-	-	195	320-520	20

¹ Elongation refers to a standard 50 mm long sample.

SEAMLESS COMMERCIAL TUBES AND TUBES FOR WATER AND GAS SIZES AND TOLERANCE FOR GAS PIPES

STANDARD SERIES (Type L)					
O.D.		O.D. tolerance		W.T. mm	Mass Kg/m
mm	inches	min.	max.		
21.3	½	21.0	21.7	2.3	1.08
26.9	¾	26.4	27.1	2.3	1.40
33.7	1	33.2	34.0	2.9	2.20
42.4	1 ¼	41.9	42.7	2.9	2.82
48.3	1 ½	47.8	48.6	2.9	3.25
60.3	2	59.6	60.7	3.2	4.51
76.1	2 ½	75.2	76.0	3.2	5.75
88.9	3	87.9	88.7	3.2	6.76
101.6	3 ½	100.3	101.2	3.6	8.70
114.3	4	113.0	113.9	3.6	9.83
139.7	5	138.5	140.8	4.5	15.00
165.1	6	163.9	166.5	4.5	17.80

MEDIUM SERIES (Type M)					
O.D.		O.D. tolerance		W.T. mm	Mass Kg/m
mm	inches	min.	max.		
21.3	½	21.0	21.8	2.6	1.21
26.9	¾	26.5	27.3	2.6	1.56
33.7	1	33.3	34.2	3.2	2.41
42.4	1 ¼	42.0	42.9	3.2	3.10
48.3	1 ½	47.9	48.8	3.2	3.56
60.3	2	59.7	60.8	3.6	5.03
76.1	2 ½	75.3	76.6	3.6	6.42
88.9	3	88.0	89.5	4.0	8.36
114.3	4	113.1	115.0	4.5	12.2
139.7	5	138.5	140.8	5.0	16.6
165.1	6	163.9	166.5	5.0	19.8

HEAVY SERIES (Type H)					
O.D.		O.D. tolerance		W.T. mm	Mass Kg/m
mm	inches	min.	max.		
21.3	½	21.0	21.8	3.2	1.44
26.9	¾	26.5	27.3	3.2	1.87
33.7	1	33.3	34.2	4.0	2.93
42.4	1 ¼	42.0	42.9	4.0	3.79
48.3	1 ½	47.9	48.8	4.0	4.37
60.3	2	59.7	60.8	4.5	6.19
76.1	2 ½	75.3	76.6	4.5	7.93
88.9	3	88.0	89.5	5.0	10.3
114.3	4	113.1	115.0	5.4	14.5
139.7	5	138.5	140.8	5.4	17.9
165.1	6	163.9	166.5	5.4	21.3



SIZES AND TOLERANCES FOR COMMERCIAL TUBES

O.D. mm	W.T. mm	W.T. tolerance		Mass Kg/m
		%		
30,0	2,3	+ 15%	- 10%	1,59
33,7	2,3	+ 15%	- 10%	1,79
38,0	2,6	+ 15%	- 10%	2,29
42,4	2,6	+ 15%	- 10%	2,57
44,5	2,6	+ 15%	- 10%	2,70
48,3	2,6	+ 15%	- 10%	2,95
51,0 *	2,6	+ 15%	- 10%	3,12
54,0	2,6	+ 15%	- 10%	3,32
57,0	2,9	+ 15%	- 10%	3,90
60,3	2,9	+ 15%	- 10%	4,14
63,5 *	2,9	+ 15%	- 10%	4,36
70,0	2,9	+ 15%	- 10%	4,83
76,1	2,9	+ 15%	- 10%	5,28
82,5 *	3,2	+ 15%	- 10%	6,31
88,9	3,2	+ 15%	- 10%	6,81
101,6	3,6	+ 15%	- 10%	8,76
108,0	3,6	+ 15%	- 10%	9,33
114,3	4,0	+ 15%	- 10%	10,90
127,0 *	4,0	+ 15%	- 10%	12,20
133,0	4,0	+ 17,5%	- 12,5%	12,80
139,7	4,0	+ 17,5%	- 12,5%	13,50
152,4 *	4,5	+ 17,5%	- 12,5%	16,40
159,0	4,5	+ 17,5%	- 12,5%	17,10
168,3	4,5	+ 17,5%	- 12,5%	18,10
177,8 *	5,0	+ 17,5%	- 12,5%	21,30
193,7	5,4	+ 17,5%	- 12,5%	25,00
219,1	5,9	+ 17,5%	- 12,5%	31,00
244,5	6,3	+ 17,5%	- 12,5%	37,10
267,0 *	6,3	+ 17,5%	- 12,5%	40,60
273,0	6,3	+ 17,5%	- 12,5%	41,60
298,5 *	7,1	+ 20%	- 15%	51,10
323,9	8,0	+ 20%	- 15%	62,30
355,6	8,0	+ 20%	- 15%	68,30
368,0	8,0	+ 20%	- 15%	70,80
406,4	8,8	+ 20%	- 15%	85,90
419,0	8,8	+ 20%	- 15%	88,70

TOLERANCE ON OD: $\pm 1\%$ with a minimum of $\pm 0,5$ mm

* O.D. manufactured less frequently.

AD – PE “CONDUIT” WELDED PIPES

Electric resistance **WELDED** pipes, hot dip galvanized according to UNI 5745 and with tapered gas threading Gk, according to UNI 6125. The resistance to pressure of these pipes is granted by hydrostatic or equivalent test. These pipes are supplied in random lengths of about 6 m and with certification 2.2 according to EN 10204, all pipes are indelible marked.

APPLICATIONS

Tubes for safety electrical equipments and explosion proof equipments (AD – PE).

NORMS

UNI 7683

CHEMICAL ANALYSIS AND MECHANICAL PROPERTIES

Steelgrade	Chemical elements (% on mass)						Yield strength min. ReH (N/mm ² =Mpa)	Tensile strength min. Rm (N/mm ² =Mpa)	Longitudinal elongation min. %
	C	Mn		Si	P	S			
	max.	min.	max.	max.	max.	max.			
Fe 360	0.17	0.40	0.80	0.35	0.045	0.045	215	360-480	24



SIZES AND TOLERANCES

SIZES ACCORDING TO UNI 7683

O.D.		Threading	O.D. tolerance mm		W.T. mm	Mass Kg/m
mm	inches		min.	max.		
21.3	½	Gk ½	21.0	21.7	2.35	1.19
26.9	¾	Gk ¾	26.4	27.1	2.35	1.50
33.7	1	Gk 1	33.2	34.0	2.90	2.33
42.4	1 ¼	Gk 1 ¼	41.9	42.7	2.90	2.99
48.3	1 ½	Gk 1 ½	47.8	48.6	2.90	3.45
60,3	2	Gk 2	59.6	60.7	3.25	4.83
76,1	2 ½	Gk 2 ½	75.2	76.3	3.25	6.00
88,9	3	Gk 3	87.9	89.4	3.65	8.15
114,3	4	Gk 4	113.0	114.9	4.05	11.70

TOLERANCES

O.D. : see table above.

W.T: - 12.5 %; positive deviations are ruled by the tolerance on mass.

MASS: on the single tube $\pm 10\%$; $\pm 7.5\%$ for lots of at least 10 t.

LENGTHS: (welded tubes) 6 m + 100 / - 50 mm, it is possible to supply lengths starting from 4 m for max 3% of the supplied lot.



STOCK FACILITY

STEELGRADES

Our standard stock of round construction tubes consists of steelgrade S355J2H for both seamless and welded tubes, both hot finished and cold finished. Hot finished welded tubes are available also in steelgrade S235JRH up to O.D. 88.9 mm.

The standard stock of commercial tubes is according to ASTM A106 Gr. B, while the standard stock of AD-PE "conduit" pipes is in steelgrade Fe360.

It is possible to supply material in all the existing steelgrades stated in this catalogue upon request and with a minimum quantity to be agreed.

SIZES

All the standard sizes according to the norm 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. Upon request, it is possible to supply material with restricted tolerances than what foreseen by the product norms.

CERTIFICATES AND MARKINGS

Mill test certificates (3.1 EN 10204) can be supplied with all deliveries (AD - PE "Conduit" pipes are supplied with 2.2 certification).

In order to grant traceability, the seamless construction tubes and the AD-PE "conduit" pipes report the manufacturer's marking effected with ink or die stamping. Tubes cut to fixlengths, commercial and welded tubes report a label attached to the bundle.

CE MARK

All tubes for constructions are approved with CE mark for CONSTRUCTION PRODUCTS and are manufactured by mills that are complying with the EUROPEAN REGULATION 305/2011 starting from material produced after 01/07/2013. This regulation has replaced the previous EUROPEAN DIRECTIVE 89/106/CEE.





RANDOM LENGTHS

SEAMLESS TUBES FOR CONSTRUCTIONS:

random lengths from 4 m to 13.5 m

WELDED TUBES FOR CONSTRUCTIONS:

random lengths of 6 m or 12 m

COMMERCIAL TUBES AND AD-PE "CONDUIT" PIPES:

random lengths of about 6 m.

CUTTING TO FIXLENGTH

All tubes can be supplied cut to fixlength, the quick delivery and the quality of the service are granted by modern automatic cutting machines with band saws.

The standard tolerance on fixlength is $- 0 / + 5$ mm, more restricted tolerances can be agreed at the moment of the order.

PACKING

Tubes are loose or in bundles tightened with iron strips or bands, according to sizes. Tubes cut to fixlength 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

Inland, through carriers.

CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

S.I.C.A.M. S.p.A.
Via Marziana, 21
27020 Parona Lomellina (Pavia) - Italia

has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

Stockholding of carbon steel pipes and tubes, hollow sections, hollow bars, chrome plat bars and solid bars for Italian and foreign companies active in the mechanical and lift equipment industry, civil and industrial construction industry, in the field of cylinders pneumatics and hydraulics and in the petrochemical and plant design industry.

Transferring of traceability reference on the above mentioned product, upon client's dem

This certificate is valid only in association with the certificate schedule bearing the same number which the locations applicable to this approval are listed.

Approval Certificate
 No: LRC 0160006/QMS/UEJEN

Original Approval: 12th December 1995

Current Certificate: 14th February 2014

Certificate Expiry: 11th December 2016

Ernesto Pini
 Issued by: Lloyd's Register Quality Assurance Italy Srl
 for and on behalf of Lloyd's Register Quality Assurance Limited



This document is subject to the provision below:

Via Caltania, 89 - 20090 Vinzotte (MI)
 For and on behalf of HighPoint, Middleborough Drive Village, Soken Drive, Caerliff, CV3 4FL, United Kingdom
 This approval is certified in accordance with the 2015 agreement and certification procedure and monitored by UKAS.
 The use of the UKAS Accreditation Mark indicates accreditation in respect of these activities covered by the certificate (Certificate Number 001)

Lloyd's Register Quality Assurance, its officers and subsidiaries, including Lloyd's Register Quality Assurance Limited (LRQA), and their respective offices, employees and representatives, are not liable for any loss or damage, or for any consequences or claims, arising from the use of the certificate or the information contained therein. The certificate is issued on the basis of the information provided to LRQA and LRQA does not guarantee the accuracy of the information provided. LRQA is not responsible for any consequences or claims arising from the use of the certificate or the information contained therein.

CERTIFICATO DI APPROVAZIONE

Si certifica che il Sistema di Gestione per la Qualità di:

S.I.C.A.M. S.p.A.
Via Marziana, 21
27020 Parona Lomellina (Pavia) - Italia

è stato approvato dal Lloyd's Register Quality Assurance Italy Srl per conformità alle seguenti norme di gestione:

UNI EN ISO 9001:2008

Il Sistema di Gestione per la Qualità si applica a:

Commercializzazione con deposito di tubi in acciaio al carbonio, profilati cavi chiusi, barre forate, barre cromate e tondi, per aziende operanti nei settori dell'industria meccanica, della cilindrica, dell'oleodinamica e della pneumatica, dell'industria del petrolio, della petrolchimica e dell'impiantistica, delle costruzioni meccaniche, metalliche civili e industriali e del sollevamento, sia italiane che estere.

Ripporto di riferimenti di rintracciabilità sui prodotti sopra citati, su richiesta del cliente.

La validità di questo certificato è vincolata all'allegato dello stesso numero che elenca le ubicazioni oggetto dell'approvazione.

Certificato di Approvazione
 N.: LRC 0160006/QMS/AIT

Approvazione Originaria: 12 Dicembre 1995

Certificato Attuale: 14 Febbraio 2014

Settore EA: 17 - 29 - 31

Scadenza Certificato: 11 Dicembre 2016

Ernesto Pini
 Ernesto de' Lloyd's Register Quality Assurance Italy Srl



800 51 2294 - 052 47 2297
 800 51 2294 - 052 47 2297
 Direzione degli Affari di Borsa-Economia
 90, 98 e 51/C
 Mercato degli Affari di Borsa
 Mercato degli Affari di Borsa

Questo documento è soggetto alle condizioni sotto riportate
 Via Caltania 89 - 20090 Vinzotte (MI)
 L'approvazione è soggetta a mantenimento, da parte del cliente, della conformità del sistema alle norme ed al suo monitoraggio da parte del LRQA.

Lloyd's Register Quality Assurance, its officers and subsidiaries, including Lloyd's Register Quality Assurance Limited (LRQA), and their respective offices, employees and representatives, are not liable for any loss or damage, or for any consequences or claims, arising from the use of the certificate or the information contained therein. The certificate is issued on the basis of the information provided to LRQA and LRQA does not guarantee the accuracy of the information provided. LRQA is not responsible for any consequences or claims arising from the use of the certificate or the information contained therein.

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Chromed bars and tubes

Cold drawn tubes

Square and rectangular hollow sections

Line pipes

Tubes for mechanical applications

Sicam and Bianco Group



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Bianco Group