

TUBI API - ASTM

Tubi senza saldatura e saldati

Dimensioni e pesi conformi ASME B36.10 M2000

MATERIALE: Acciai

- API 5 L: Gradi A - B
- API 5 LX: Gradi X 42 - X 46 - X 52 - X 56 - X 60 - X 65 - X 70
- ASTM A 53: Gradi A - B
- ASTM A 106: Gradi A - B - C
- ASTM A 333: Gradi 1° - 3° - 6°
- ASTM A 335: Gradi P1 - P2 - P5 - P7 - P9 - P11 - P12 - P21 - P22

CARATTERISTICHE MECCANICHE E CHIMICHE

Norma	Esecuz.	Grado	Composizione chimica - %					Caratt. meccaniche		
			C ≤	Mn ≤	P ≤	S ≤	Si ≥	R min. kg/mm ²	S min. kg/mm ²	A min. %
API 5 L	S/S	A	0,22	0,90	0,04	0,05		33,7	21,1	15
		B	0,27	1,15	0,04	0,05		42,2	24,6	12,5
	SALD	A	0,21	0,90	0,04	0,05		33,7	21,1	15
		B	0,26	1,15	0,04	0,05		42,2	24,6	12,5
API 5 LX	S/S	X42	0,29	1,25	0,04	0,05		42,2	29,5	19
		X46	0,31	1,35	0,04	0,05		44,3	32,3	18
		X52	0,31	1,35	0,04	0,05		46,4	36,6	17,5
		X56	0,26	1,35	0,04	0,05		49,9	39,2	16
		X60	0,26	1,35	0,04	0,05		52,7	42,2	15,5
	SALD	X42	0,28	1,25	0,04	0,05		42,2	29,5	19
		X46	0,30	1,35	0,04	0,05		44,3	32,3	18
		X52	0,30	1,35	0,04	0,05		46,4	36,6	17,5
		X56	0,26	1,35	0,04	0,05		49,9	39,2	16
		X60	0,26	1,35	0,04	0,05		52,7	42,2	15,5
		X65	0,26	1,40	0,04	0,05		54,1	45,7	15
		X70	0,23	1,60	0,04	0,05		57,6	49,2	14,5
ASTM A 53	S/S	A	0,25	0,95	0,05	0,06		33,7	21,1	15
		B	0,30	1,20	0,05	0,06		42,2	24,6	12,5
ASTM A 106	S/S	A	0,25	0,27÷0,93	0,048	0,058	0,1	34,1	21,3	35
		B	0,30	0,29÷1,06	0,048	0,058	0,1	42,6	24,8	30
		C	0,35	0,29÷1,06	0,048	0,058	0,1	49,7	28,4	30

ACCIAI PER BASSE TEMPERATURE

Norma	Grado	Composizione chimica - %						Caratt. meccaniche			
		C ≤	Mn	P ≤	S ≤	Si ≥	Ni	R min. kg/mm ²	S min. kg/mm ²	A min. %	Resilienza K.C.V.
ASTM A 333	1°	0,30	0,40÷1,06	0,05	0,06			38,5	21	21	- 46° C
	3°	0,19	0,31÷0,64	0,05	0,05	0,18÷0,37	3,18÷3,82	45,5	24,5	18	- 101° C
	6°	0,30	0,29÷1,06	0,048	0,058	0,10		42	24,5	18	- 46° C

ACCIAI PER ALTE TEMPERATURE

Norma	Grado	Composizione chimica - %							Caratt. meccaniche		
		C	Mn	P ≤	S ≤	Si	Mo	Cr	R min. kg/mm ²	S min. kg/mm ²	A min. %
ASTM A 335	P 1	0,10÷0,20	0,3÷0,8	0,045	0,045	0,10÷0,50	0,44÷0,65		39,1	21,3	30
	P 2	0,10÷0,20	0,30÷0,61	0,045	0,045	0,10÷0,30	0,44÷0,65	0,50÷0,81	42,6	21,3	30
	P 5	≤ 0,15	0,3÷0,6	0,030	0,030	≤ 0,5	0,45÷0,65	4÷6	42,6	21,3	30
	P 5b	≤ 0,15	0,3÷0,6	0,030	0,030	1÷2	0,45÷0,65	4÷6	42,6	21,3	30
	P 5c	≤ 0,12	0,3÷0,6	0,030	0,030	≤ 0,5	0,44÷0,65	4÷6	42,6	21,3	30
	P 7	≤ 0,15	0,3÷0,6	0,030	0,030	0,5÷1	0,44÷0,65	6÷8	42,6	21,3	30
	P 9	≤ 0,15	0,3÷0,6	0,030	0,030	0,25÷1	0,90÷1,1	8÷10	42,6	21,3	30
	P 11	≤ 0,15	0,3÷0,6	0,030	0,030	0,5÷1	0,44÷0,65	1÷1,5	42,6	21,3	30
	P 12	≤ 0,15	0,30÷0,61	0,045	0,045	≤ 0,5	0,44÷0,65	0,8÷1,25	42,6	21,3	30
	P 15	≤ 0,15	0,3÷0,6	0,030	0,030	0,15÷1,65	0,44÷0,65		42,6	21,3	30
	P 21	≤ 0,15	0,3÷0,6	0,030	0,030	≤ 0,5	0,80÷1,06	2,65÷3,35	42,6	21,3	30
	P 22	≤ 0,15	0,3÷0,6	0,030	0,030	≤ 0,5	0,87÷1,13	1,9÷2,6	42,6	21,3	30

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Diametro			Spessore		Peso		Identificazione		
Nominale	Esterno						Corrisp. norme API	Standard X-Strong XX-Strong	Numero di schedula
in.	in.	mm	in.	mm	lb/ft	kg/mt			
1/8	0.405	10,3	.068	1,73	.24	0,36	5L	STD	40
			.095	2,41	.31	0,46	5L	XS	80
1/4	0.540	13,7	.088	2,24	.42	0,63	5L	STD	40
			.119	3,02	.54	0,80	5L	XS	80
3/8	0.675	17,1	.091	2,31	.57	0,85	5L	STD	40
			.126	3,20	.74	1,10	5L	XS	80
1/2	0.840	21,3	.109	2,77	.85	1,27	5L	STD	40
			.147	3,73	1.09	1,62	5L	XS	80
			.188	4,76	1.31	1,95			160
			.294	7,47	1.71	2,55	5L	XXS	
3/4	1.050	26,7	.113	2,87	1.13	1,68	5L	STD	40
			.154	3,91	1.47	2,19	5L	XS	80
			.219	5,56	1.94	2,89			160
			.308	7,82	2.44	3,63	5L	XXS	
1	1.315	33,4	.133	3,38	1.68	2,50	5L	STD	40
			.179	4,55	2.17	3,23	5L	XS	80
			.250	6,35	2.84	4,23			160
			.358	9,09	3.66	5,45	5L	XXS	
1¼	1.660	42,2	.140	3,56	2.27	3,38	5L	STD	40
			.191	4,85	3.00	4,47	5L	XS	80
			.250	6,35	3.76	5,60			160
			.382	9,70	5.21	7,76	5L	XXS	
1½	1.900	48,3	.145	3,68	2.72	4,05	5L	STD	40
			.200	5,08	3.63	5,41	5L	XS	80
			.281	7,14	4.86	7,23			160
			.400	10,16	6.41	9,55	5L	XXS	
2	2.375	60,3	.109	2,77	2.64	3,93	5L 5LX	STD	40
			.125	3,18	3.00	4,47	5L 5LX		
			.141	3,58	3.36	5,00	5L 5LX		
			.154	3,91	3.65	5,44	5L 5LX		
			.172	4,37	4.05	6,03	5LX	XS	80
			.188	4,78	4.39	6,54	5LX		
			.218	5,54	5.02	7,48	5L 5LX	XXS	160
			.250	6,35	5.67	8,45	5LX		
			.281	7,14	6.28	9,35	5LX		
			.344	8,74	7.46	11,11	5L 5LX		
2½	2.875	73,0	.109	2,77	3.22	4,80	5L 5LX	STD	40
			.125	3,18	3.67	5,46	5L 5LX		
			.141	3,58	4.12	6,14	5L 5LX		
			.156	3,96	4.53	6,75	5LX		
			.172	4,37	4.97	7,40	5LX		
			.188	4,78	5.40	8,04	5LX		
			.203	5,16	5.79	8,68	5L 5LX	XS	80
			.216	5,49	6.13	9,13	5LX		
			.250	6,35	7.01	10,44	5LX	XXS	160
			.276	7,01	7.66	11,41	5L 5LX		
			.375	9,52	10.01	14,91	5L 5LX		
			.552	14,02	13.69	20,41	5L 5LX		
3	3.500	88,9	.125	3,18	4.51	6,72	5L 5LX		
			.141	3,58	5.06	7,54	5L 5LX		
			.156	3,96	5.57	8,30	5L 5LX		
			.172	4,37	6.11	9,10	5LX		

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Diametro			Spessore		Peso		Identificazione		
Nominale	Esterno						Corrisp. norme API	Standard X-Strong XX-Strong	Numero di schedula
in.	in.	mm	in.	mm	lb/ft	kg/mt			
8	8.625	219,1	.188	4,78	16.94	25,23	5L 5LX	STD	40
			.203	5,16	18.26	27,20	5LX		
			.219	5,56	19.66	29,28	5L 5LX		
			.250	6,35	22.36	33,31	5L 5LX		
			.277	7,04	24.70	36,79	5L 5LX		
			.312	7,92	27.70	41,26	5L 5LX		
			.322	8,18	28.55	42,53	5L 5LX		
			.344	8,74	30.42	45,31	5L 5LX		
			.375	9,52	33.04	49,21	5L 5LX		
			.406	10,31	35.64	53,09			
			.438	11,13	38.30	57,05	5L 5LX		
			.500	12,70	43.39	64,63	5L 5LX		
			.562	14,27	48.40	72,09	5L 5LX		
			.594	15,09	50.95	75,89			
			.625	15,88	53.40	79,54	5L 5LX		
			.719	18,26	60.71	90,43	5L 5LX		
			.812	20,62	67.76	100,93			
.875	22,22	72.42	107,87	5L					
.906	23,01	74.71	111,18						
10	10.750	273,0	.188	4,78	21.15	31,59	5L 5LX	STD	40
			.203	5,16	22.87	34,06	5L 5LX		
			.219	5,56	24.63	36,69	5L 5LX		
			.250	6,35	28.04	41,77	5L 5LX		
			.279	7,09	31.20	46,47	5L 5LX		
			.307	7,80	34.24	51,00	5L 5LX		
			.344	8,74	38.23	56,94	5L 5LX		
			.365	9,27	40.48	60,29	5L 5LX		
			.438	11,13	48.24	71,85	5L 5LX		
			.500	12,70	54.74	81,54	5L 5LX		
			.562	14,27	61.15	91,08	5L 5LX		
			.594	15,09	64.43	92,97			
			.625	15,88	67.58	100,66	5L 5LX		
			.719	18,26	77.03	114,74	5L 5LX		
			.812	20,62	86.18	128,37	5L		
			.844	21,44	89.27	132,85			
			1.000	25,40	104.13	154,97			
1.125	28,58	115.65	172,11						
12	12.750	323,8	.203	5,16	27.22	40,51	5LX	STD	40
			.219	5,56	29.28	43,66	5L 5LX		
			.250	6,35	33.38	49,72	5L 5LX		
			.281	7,14	37.42	55,74	5L 5LX		
			.312	7,92	41.45	61,74	5L 5LX		
			.330	8,38	43.77	65,20	5L 5LX		
			.344	8,74	45.58	67,89	5L 5LX		
			.375	9,52	49.56	73,82	5L 5LX		
			.406	10,31	53.52	79,72	5LX		
			.438	11,13	57.59	85,78	5L 5LX		
			.500	12,70	65.42	97,44	5L 5LX		
			.562	14,27	73.15	108,96	5L 5LX		
			.625	15,88	80.93	120,55	5L 5LX		
			.688	17,48	88.63	132,01	5L 5LX		
			.750	19,05	96.12	143,17	5L 5LX		
			.844	21,44	107.29	159,67			
			1.000	25,40	125.49	186,75			
1.125	28,58	139.68	207,87						
1.310	33,32	160.33	238,60						
14	14.000	355,6	.210	5,33	30.93	46,07	5LX		
			.219	5,56	32.20	48,01	5LX		

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Diametro			Spessore		Peso		Identificazione						
Nominale	Esterno						CorrISP. norme API	Standard X-Strong XX-Strong	Numero di schedula				
in.	in.	mm	in.	mm	lb/ft	kg/mt							
14	14.000	355,6	.250	6,35	36.71	54,68	5L 5LX	STD	10				
			.281	7,14	41.17	61,32	5L 5LX						
			.312	7,92	45.61	67,94	5L 5LX		20				
			.344	8,74	50.17	74,73	5L 5LX						
			.375	9,52	54.57	81,28	5L 5LX		30				
			.406	10,31	58.94	87,79	5LX						
			.438	11,13	63.44	94,49	5L 5LX						
			.469	11,91	67.78	100,96	5LX		XS				
			.500	12,70	72.09	107,38	5L 5LX						
			.562	14,27	80.66	120,14	5L 5LX						
			.594	15,09	85.05	126,68				60			
			.625	15,88	89.28	132,98	5L 5LX						
			.688	17,48	97.81	145,69	5L 5LX						
			.750	19,05	106.13	158,08	5L 5LX			80			
			.812	20,62	114.37	170,35	5L						
			9.38	23,83	130.85	194,90				100			
			1.094	27,79	150.76	224,36				120			
			1.250	31,75	170.22	253,32				140			
			1.406	35,71	189.15	281,49				160			
			2.000	50,80	256.32	381,46							
2.125	53,98	269.51	401,08										
2.200	55,88	277.26	412,62										
2.500	63,50	307.05	456,95										
16	16.000	406,4	.219	5,56	36.87	54,98	5L 5LX	STD		10			
			.250	6,35	42.05	62,63	5L 5LX						
			.281	7,14	47.17	70,26	5L 5LX				20		
			.312	7,92	52.27	77,86	5L 5LX						
			.344	8,74	57.52	85,68	5L 5LX		30				
			.375	9,52	62.58	93,21	5L 5LX						
			.406	10,31	67.62	100,72	5LX		XS				
			.438	11,13	72.80	108,44	5L 5LX						
			.469	11,91	77.79	115,87	5LX						
			.500	12,70	82.77	123,29	5L 5LX				40		
			.562	14,27	92.66	138,02	5L 5LX						
			.625	15,88	102.63	152,87	5L 5LX				60		
			.656	16,66	107.50	160,12							
			6.88	17,48	112.51	167,58	5L 5LX						
			.750	19,05	122.15	181,94	5L 5LX						
			.812	20,62	131.71	196,18	5L					80	
			.844	21,44	136.61	203,48							
			1.031	26,19	164.82	245,50							100
			1.219	30,96	192.40	286,33							120
			1.438	36,53	223.57	332,72							140
1.594	40,49	245.22	364,94		160								
18	18.000	457,2	.250	6,35	47.39	70,59	5L 5LX	STD		10			
			.281	7,14	53.18	79,21	5L 5LX						
			.312	7,92	58.94	87,79	5L 5LX						20
			.344	8,74	64.87	96,62	5L 5LX						
			.375	9,52	70.59	105,14	5L 5LX						XS
			.406	10,31	76.29	113,63	5LX						
			.438	11,13	82.15	122,36	5L 5LX		30				
			.469	11,91	87.81	130,79	5LX						
			.500	12,70	93.45	139,19	5L 5LX		40				
			.562	14,27	104.67	155,91	5L 5LX						
			.625	15,88	115.98	172,75	5L 5LX						
			.688	17,48	127.21	189,48	5L 5LX				60		
			.750	19,05	138.17	205,80	5L 5LX						
			.812	20,62	149.06	222,02	5L 5LX						
			.938	23,83	170.92	254,59							

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Diametro			Spessore		Peso		Identificazione		
Nominale	Esterno						CorrISP. norme API	Standard X-Strong XX-Strong	Numero di schedula
in.	in.	mm	in.	mm	lb/ft	kg/mt			
18	18.000	457,2	1.156	29,36	207.96	309,76			100
			1.375	34,92	244.14	363,33			120
			1.562	39,67	274.30	408,21			140
			1.781	45,24	308.55	459,18			160
20	20.000	508,0	.250	6,35	52.73	78,54	5L 5LX	STD	10
			.281	7,14	59.18	88,15	5L 5LX		
			.312	7,92	65.60	97,71	5L 5LX		
			.344	8,74	72.21	107,56	5L 5LX		
			.375	9,52	78.60	117,07	5L 5LX	STD	20
			.406	10,31	84.96	126,55	5LX		
			.438	11,13	91.51	136,30	5L 5LX		
			.469	11,91	97.83	145,72	5LX	XS	30
			.500	12,70	104.13	155,10	5L 5LX		
			.562	14,27	116.67	173,78	5L 5LX		
			.594	15,09	123.11	183,37			
			.625	15,88	129.33	192,64	5L 5LX	STD	40
			.688	17,48	141.90	211,36	5L 5LX		
			.750	19,05	154.19	229,67	5L 5LX		
			.812	20,62	166.40	247,85	5L 5LX	XS	60
			1.031	26,19	208.87	311,11			
			1.125	28,58	226.78	337,79			
1.281	32,54	256.10	381,46						
1.500	38,10	296.37	441,06		STD	100			
1.750	44,45	341.10	507,63						
1.969	50,01	379.14	564,24						
22	22.000	558,8	.250	6,35	58.07	86,50	5L 5LX	STD	10
			.281	7,14	65.18	97,09	5L 5LX		
			.312	7,92	72.27	107,65	5L 5LX		
			.344	8,74	79.56	118,50	5L 5LX		
			.375	9,52	86.61	129,01	5LX	STD	20
			.406	10,31	93.63	139,46	5L 5LX		
			.438	11,13	100.86	150,23	5L 5LX		
			.469	11,91	107.85	160,64	5LX	XS	30
			.500	12,70	114.81	171,01	5L 5LX		
			.562	14,27	128.67	191,65	5L 5LX		
			.625	15,88	142.68	212,52	5L 5LX		
			.688	17,48	156.60	233,26	5L 5LX	STD	40
			.750	19,05	170.21	253,53	5L 5LX		
			.812	20,62	183.75	273,70	5L 5LX		
			.875	22,22	197.41	294,04		XS	60
			1.125	28,58	250.81	373,58			
			1.250	31,75	277.01	412,61			
1.375	34,92	302.88	451,14						
1.625	41,28	353.61	526,24		STD	100			
1.875	47,62	403.01	599,76						
2.125	53,98	451.07	671,28						
24	24.000	609,6	.250	6,35	63.41	94,45	5L 5LX	STD	10
			.281	7,14	71.18	106,02	5L 5LX		
			.312	7,92	78.93	117,57	5L 5LX		
			.344	8,74	86.91	129,45	5L 5LX		
			.375	9,52	94.62	140,94	5L 5LX	STD	20
			.406	10,31	102.31	152,39	5LX		
			.438	11,13	110.22	164,17	5L 5LX		
			.469	11,91	117.86	175,55	5LX	XS	30
			.500	12,70	125.49	186,92	5L 5LX		
			.562	14,27	140.68	209,54	5L 5LX		
			.625	15,88	156.03	232,41	5L 5LX		
			.688	17,48	171.29	255,14	5L 5LX	STD	40
.750	19,05	186.23	277,39	5L 5LX					

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Diametro			Spessore		Peso		Identificazione								
Nominale	Esterno						CorrISP. norme API	Standard X-Strong XX-Strong	Numero di scheda						
in.	in.	mm	in.	mm	lb/ft	kg/mt									
24	24.000	609,6	.812	20,62	201.09	299,52	5L 5LX		60						
			.938	23,83	231.03	344,12									
			.969	24,61	238.35	355,02									
			1.062	26,97	260.17	387,52									
			1.219	30,96	296.58	441,76									
			1.531	38,89	367.39	547,23									
			1.812	46,02	429.50	639,18									
			2.062	52,37	483.24	719,16									
			2.344	59,54	542.09	806,74									
26	26.000	660,4	.250	6,35	68.75	102,40	5L 5LX	STD	10						
			.281	7,14	77.25	114,96									
			.312	7,92	85.73	127,50									
			.344	8,74	94.26	140,40									
			.375	9,52	102.63	152,87									
			.406	10,31	110.98	165,30									
			.438	11,13	119.57	178,10									
			.469	11,91	127.88	190,48									
			.500	12,70	136.17	202,83									
			.562	14,27	152.68	227,42									
			.625	15,88	169.38	252,29									
			.688	17,48	185.99	277,03									
			.750	19,05	202.25	301,25									
			.938	23,83	251.07	373,97									
			28	28.000	711,2	.250				6,35	74.09	110,36	5L 5LX	STD	10
.281	7,14	83.26				123,91									
.312	7,92	92.41				137,42									
.344	8,74	101.61				151,35									
.375	9,52	110.64				164,80									
.406	10,31	119.65				178,22									
.438	11,13	128.93				192,04									
.469	11,91	137.90				205,40									
.500	12,70	146.85				218,73									
.562	14,27	164.69				245,31									
.625	15,88	182.73				272,18									
.688	17,48	200.68				298,91									
.750	19,05	218.27				325,11									
30	30.000	762,0				.250	6,35	79.43	118,31	5L 5LX	STD	10			
						.281	7,14	89.27	132,85						
			.312	7,92	99.08	147,36									
			.344	8,74	108.95	162,28									
			.375	9,52	118.65	176,73									
			.406	10,31	128.32	191,13									
			.438	11,13	138.29	205,98									
			.469	11,91	147.92	220,33									
			.500	12,70	157.53	234,64									
			.562	14,27	176.69	263,18									
			.625	15,88	196.08	292,06									
			.688	17,48	215.38	320,81									
			.750	19,05	234.29	348,97									
			32	32.000	812,8	.250	6,35	84.77	126,26				5L 5LX	STD	10
						.281	7,14	95.28	141,79						
.312	7,92	105.76				157,28									
.344	8,74	116.30				173,23									
.375	9,52	126.66				188,66									
.406	10,31	136.99				204,05									
.438	11,13	147.64				219,91									
.469	11,91	157.94				235,25									

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Diametro			Spessore		Peso		Identificazione		
Nominale	Esterno						CorrISP. norme API	Standard X-Strong XX-Strong	Numero di schedula
in.	in.	mm	in.	mm	lb/ft	kg/mt			
32	32.000	812,8	.500	12,70	168.21	250,55	5L 5LX	XS	20
			.562	14,27	188.70	281,07	5L 5LX		
			.625	15,88	209.43	311,95	5L 5LX		30
			.688	17,48	230.08	342,70	5L 5LX		40
			.750	19,05	250.31	372,84	5L 5LX		
34	34.000	863,6	.250	6,35	90.11	134,22	5L 5LX	STD	10
			.281	7,14	101.28	150,72	5L 5LX		
			.312	7,92	112.43	167,94	5L 5LX		
			.344	8,74	123.65	184,18	5LX		
			.375	9,52	134.67	200,59	5L 5LX		
			.406	10,31	145.67	216,98	5LX		
			.438	11,13	157.00	233,85	5L 5LX	XS	20
			.469	11,91	167.95	250,16	5LX		
			.500	12,70	178.89	266,46	5L 5LX		
			.562	14,27	200.70	298,94	5L 5LX		
			.625	15,88	222.78	331,83	5L 5LX		
			.688	17,48	241.60	364,01	5L 5LX		
36	36.000	914,4	.250	6,35	95.45	142,17	5L 5LX	STD	10
			.281	7,14	107.29	159,67	5L 5LX		
			.312	7,92	119.11	177,13	5L 5LX		
			.344	8,74	131.00	195,12	5LX		
			.375	9,52	142.68	212,52	5L 5LX		
			.406	10,31	154.34	229,89	5LX		
			.438	11,13	166.35	247,78	5L 5LX	XS	20
			.469	11,91	177.97	265,09	5LX		
			.500	12,70	189.57	282,36	5L 5LX		
			.562	14,27	212.70	316,82	5L 5LX		
			.625	15,88	236.13	351,72	5L 5LX		
			.750	19,05	282.36	420,21	5L 5LX		
38	38.000	965,2	.312	7,92	125.58	187,05			
			.344	8,74	138.35	206,07			
			.375	9,52	150.69	224,45			
			.406	10,31	163.01	242,80			
			.438	11,13	175.71	261,72			
			.469	11,91	187.99	280,01			
			.500	12,70	200.25	298,27			
			.562	14,27	224.71	334,71			
			.625	15,88	249.48	371,60			
			.688	17,48	274.16	408,36			
			.750	19,05	298.37	444,42			
			.812	20,62	322.50	480,36			
			.875	22,22	346.93	516,75			
			.938	23,83	371.28	553,02			
1.000	25,40	395.16	588,59						
40	40.000	1016,0	.312	7,92	132.25	196,99			
			.344	8,74	145.69	217,01			
			.375	9,52	158.70	236,38			
			.406	10,31	171.68	255,72			
			.438	11,13	185.06	275,65			
			.469	11,91	198.01	294,94			
			.500	12,70	210.93	314,18			
			.562	14,27	236.71	352,58			
			.625	15,88	262.83	391,49			
			.688	17,48	288.86	430,26			
			.750	19,05	314.39	468,28			
			.812	20,62	339.84	506,19			
.876	22,22	365.62	544,59						

TUBI API - ASTM



Diametro			Spessore		Peso		Identificazione		
Nominale	Esterno						CorrISP. norme API	Standard X-Strong XX-Strong	Numero di scheda
in.	in.	mm	in.	mm	lb/ft	kg/mt			
40	40.000	1016,0	.938	23,83	391.32	582,87			
			1.000	25,40	416.52	620,41			
42	42.000	1066,8	.344	8,74	153.04	227,95			
			.375	9,52	166.71	248,31			
			.406	10,31	180.35	268,63			
			.438	11,13	194.42	289,59			
			.469	11,91	208.03	309,86			
			.500	12,70	221.61	330,09			
			.562	14,27	248.72	370,47			
			.625	15,88	276.18	411,37			
			.688	17,48	303.55	452,14			
			.750	19,05	330.41	492,15			
			.812	20,62	357.19	532,03			
			.875	22,22	384.31	572,43			
			.938	23,83	411.35	612,71			
1.000	25,40	437.88	652,22						
44	44.000	1117,6	.344	8,74	160.39	238,90			
			.375	9,52	174.72	260,25			
			.406	10,31	189.03	281,56			
			.438	11,13	203.78	303,53			
			.469	11,91	218.04	324,77			
			.500	12,70	232.29	346,00			
			.562	14,27	260.72	388,34			
			.625	15,88	289.53	431,25			
			.688	17,48	318.25	474,03			
			.750	19,05	346.43	516,01			
			.812	20,62	374.53	557,86			
			.875	22,22	403.00	600,27			
			.938	23,83	431.39	642,56			
1.000	25,40	459.24	684,04						
46	46.000	1168,4	.344	8,74	167.74	249,85			
			.375	9,52	182.73	272,18			
			.406	10,31	197.70	294,47			
			.438	11,13	213.13	317,46			
			.469	11,91	228.06	339,70			
			.500	12,70	242.97	361,90			
			.562	14,27	272.73	406,23			
			.625	15,88	302.88	451,14			
			.688	17,48	332.95	495,93			
			.750	19,05	362.45	539,87			
			.812	20,62	391.88	583,71			
			.875	22,22	421.69	628,11			
			.938	23,83	451.42	672,39			
1.000	25,40	480.60	715,85						
48	48.000	1219,2	.344	8,74	175.08	260,78			
			.375	9,52	190.74	284,11			
			.406	10,31	206.37	307,39			
			.438	11,13	222.49	331,40			
			.469	11,91	238.08	354,62			
			.500	12,70	253.65	377,81			
			.562	14,27	284.73	424,11			
			.625	15,88	316.23	471,02			
			.688	17,48	347.64	517,81			
			.750	19,05	378.47	563,73			
			.812	20,62	409.22	609,53			
			.875	22,22	440.38	655,95			
			.938	23,83	471.46	702,24			
1.000	25,40	501.96	747,67						