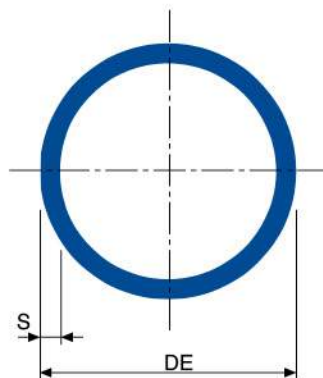




TUBOLARI

TUBI CARPENTERIA



diametro esterno DE		spessore	peso
pollici	mm	mm	kg/m
$\frac{3}{8}$	16.75	2.00	0.73
$\frac{1}{2}$	21.25	2.2	1.03
$\frac{3}{4}$	26.75	2.35	1.41
1	33.5	2.6	1.98
$1\frac{1}{4}$	42.25	2.8	2.72
$1\frac{1}{2}$	48.25	2.8	3.14
2	60	3	4.22
$2\frac{1}{2}$	75.5	3	5.40
3	88.25	3	6.36
$3\frac{1}{2}$	101	3.3	8.03
4	113.5	3.3	9.04
$4\frac{1}{2}$	133	3	9.62
5	139.7	3.7	12.41
$5\frac{1}{2}$	152	3	11.05
$6\frac{1}{4}$	159	3	11.54
$6\frac{5}{8}$	168.3	4	16.18
$7\frac{1}{2}$	192	3	14
$7\frac{1}{2}$	192	4	18.5
$8\frac{5}{8}$	219.1	4	21

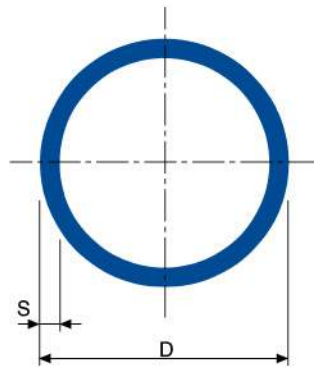


Veduta stabilimento z.i. Sestu



TUBOLARI

TUBI TONDI



Diametro esterno D mm	Spessore s mm	Sezione Metallica A cm ²	Massa Lineica M kg/m	Momento d'inerzia I cm ⁴	Raggio d'inerzia R cm	Modulo di resistenza elastico W cm ³	resistenza plastica S cm ³	Mom in Torsione J cm ⁴	Costante di torsi C cm ³	Superf. Esterna m ² /t
20	1.5	0.87	0.68	0.38	0.66	0.38	0.51	0.75	0.75	91.81
	2	1.13	0.89	0.46	0.64	0.46	0.65	0.93	0.93	70.77
22	1.5	0.97	0.76	0.51	0.73	0.46	0.63	1.02	0.93	91.14
	2	1.26	0.99	0.63	0.71	0.58	0.80	1.27	1.15	70.06
25	1.5	1.11	0.87	0.77	0.83	0.61	0.83	1.54	1.23	90.35
	2	1.45	1.13	0.96	0.82	0.77	1.06	1.93	1.54	69.23
	2.5	1.77	1.39	1.13	0.80	0.91	1.27	2.26	1.81	56.62
	3	2.07	1.63	1.28	0.79	1.02	1.46	2.56	2.04	48.25
28	1.5	1.25	0.98	1.10	0.94	0.79	1.05	2.20	1.57	89.73
	2	1.63	1.28	1.39	0.92	0.99	1.35	2.78	1.98	68.59
	2.5	2.00	1.57	1.64	0.91	1.17	1.63	3.29	2.35	55.95
	3	2.36	1.85	1.87	0.89	1.33	1.88	3.73	2.67	47.56
30	1.5	1.34	1.05	1.37	1.01	0.91	1.22	2.73	1.82	89.40
	2	1.76	1.38	1.73	0.99	1.16	1.57	3.47	2.31	68.24
	2.5	2.16	1.70	2.06	0.98	1.37	1.98	4.12	2.74	55.59
	3	2.54	2.00	2.35	0.96	1.56	2.20	4.69	3.13	47.18
32	1.5	1.44	1.13	1.68	1.08	1.05	1.40	3.35	2.09	89.10
	2	1.88	1.48	2.13	1.06	1.33	1.80	4.26	2.66	67.94
	2.5	2.32	1.82	2.54	1.05	1.59	2.18	5.08	3.17	55.27
	3	2.73	2.15	2.90	1.03	1.82	2.53	5.81	3.63	46.86
35	1.5	1.58	1.24	2.22	1.19	1.27	1.68	4.44	2.54	88.73
	2	2.07	1.63	2.83	1.17	1.62	2.18	5.67	3.24	67.55
	2.5	2.55	2.00	3.39	1.15	1.94	2.65	6.78	3.87	54.88
	3	3.02	2.37	3.89	1.14	2.23	3.08	7.79	4.45	46.44
38	1.5	1.72	1.35	2.87	1.29	1.51	2.00	5.74	3.02	88.42
	2	2.26	1.78	3.68	1.27	1.93	2.59	7.35	3.87	67.23
	2.5	2.79	2.19	4.41	1.26	2.32	3.16	8.83	4.65	54.54
	3	3.30	2.59	5.09	1.24	2.68	3.68	10.18	5.36	46.10
40	4	4.27	3.35	6.26	1.21	3.29	4.65	12.52	6.59	35.59
	1.5	1.81	1.42	3.37	1.36	1.68	2.22	6.73	3.37	88.23
	2	2.39	1.87	4.32	1.35	2.16	2.89	8.64	4.32	67.05
	2.5	2.95	2.31	5.20	1.33	2.60	3.52	10.40	5.20	54.35
42.4	3	3.49	2.74	6.01	1.31	3.00	4.12	12.01	6.01	45.91
	4	4.52	3.55	7.42	1.28	3.71	5.21	14.84	7.42	35.39
	1.51	1.93	1.51	4.04	1.45	1.90	2.51	8.07	3.81	88.04
	2	2.54	1.99	5.19	1.43	2.45	3.27	10.38	4.90	66.85
	2.5	3.13	2.46	6.26	1.41	2.95	3.99	12.52	5.91	54.15

(segue)



TUBOLARI

TUBI TONDI

(seguito)

Diametro esterno D mm	Spessore s mm	Sezione Metallica A cm ²	Massa Lineica M kg/m	Momento d'inerzia I cm ⁴	Raggio d'inerzia R cm	Modulo di resistenza elastico W cm ³	Modulo di resistenza plastico S cm ³	Mom in Torsione J cm ⁴	Costante di torsi C cm ³	Superf. Esterna m ² /t
42.4	3	3.71	2.91	7.25	1.40	3.42	4.67	14.49	6.84	45.70
	4	4.83	3.79	8.99	1.36	4.24	5.92	17.98	8.48	35.16
45	1.5	2.05	1.61	4.85	1.54	2.16	2.84	9.71	4.32	87.85
	2	2.70	2.12	6.26	1.52	2.78	3.70	12.52	5.56	66.66
	2.5	3.34	2.62	7.56	1.51	3.36	4.52	15.13	6.72	53.95
	3	3.96	3.11	8.77	1.49	3.90	5.30	17.55	7.80	45.50
	4	5.15	4.04	10.93	1.46	4.86	6.75	21.86	9.71	34.95
48.3	1.5	2.21	1.73	6.04	1.66	2.50	3.29	12.09	5.01	87.65
	2	2.91	2.28	7.81	1.64	3.23	4.29	15.62	6.47	66.45
	2.5	3.60	2.82	9.46	1.62	3.92	5.25	18.92	7.83	53.74
	3	4.27	3.35	11.00	1.61	4.55	6.17	22.00	9.11	45.27
	4	5.57	4.37	13.77	1.57	5.70	7.87	27.54	11.40	34.27
	5	6.80	5.34	16.15	1.54	6.69	9.42	32.31	13.38	28.42
50	1.5	2.29	1.79	6.73	1.72	2.69	3.53	13.45	5.38	87.55
	2	3.02	2.37	8.70	1.70	3.48	4.61	17.40	6.96	66.35
	2.5	3.73	2.93	10.55	1.68	4.22	5.65	21.10	8.44	53.64
	3	4.43	3.48	12.28	1.67	4.91	6.64	24.56	9.82	45.17
	4	5.78	4.54	15.41	1.63	6.16	8.49	30.81	12.32	34.62
52	1.5	2.38	1.87	7.59	1.79	2.92	3.83	15.19	5.84	87.45
	2	3.14	2.47	9.83	1.77	3.78	5.00	19.67	7.56	66.24
	2.5	3.89	3.05	11.94	1.75	4.59	6.13	23.88	9.18	53.53
	3	4.62	3.63	13.91	1.74	5.35	7.21	27.82	10.70	45.06
	4	6.03	4.74	17.49	1.70	6.73	9.24	34.98	13.46	34.50
55	1.5	2.52	1.98	9.03	1.89	3.28	4.29	18.05	6.57	87.31
	2	3.33	2.61	11.71	1.88	4.26	5.62	23.42	8.52	66.10
	2.5	4.12	3.24	14.24	1.86	5.18	6.90	28.48	10.36	53.38
	3	4.90	3.85	16.62	1.84	6.04	8.12	33.24	12.09	44.91
	4	6.41	5.03	20.96	1.81	7.62	10.43	41.93	15.25	34.34
57	1.5	2.62	2.05	10.08	1.96	3.54	4.62	20.15	7.07	87.22
	2	3.46	2.71	13.08	1.95	4.59	6.05	26.17	9.18	66.01
	2.5	4.28	3.36	15.93	1.93	5.59	7.43	31.85	11.18	53.29
	3	5.09	4.00	18.61	1.91	6.53	8.76	37.22	13.06	44.82
	4	6.66	5.23	23.52	1.88	8.25	11.26	47.04	16.50	34.25
60.3	1.5	2.77	2.18	11.98	2.08	3.97	5.19	23.97	7.95	87.09
	2	3.66	2.88	15.58	2.06	5.17	6.80	31.16	10.34	65.88
	2.5	4.54	3.56	18.99	2.05	6.30	8.36	37.99	12.60	53.16
	3	5.40	4.24	22.22	2.03	7.37	9.86	44.45	14.74	44.69
	4	7.07	5.55	28.17	2.00	9.34	12.70	56.35	18.69	34.11
62	5	8.69	6.82	33.48	1.96	11.10	15.33	66.95	22.21	27.78
	1.5	2.85	2.24	13.05	2.14	4.21	5.49	26.10	8.42	87.03
	2	3.77	2.96	16.98	2.12	5.48	7.20	33.97	10.96	65.82
	2.5	4.67	3.67	20.72	2.11	6.68	8.86	41.43	13.37	53.10
	3	5.56	4.37	24.26	2.09	7.83	10.45	48.52	15.65	44.62
65	4	7.29	5.72	30.79	2.06	9.93	13.48	61.59	18.97	34.04
	1.5	2.99	2.35	15.09	2.25	4.64	6.05	30.18	9.29	86.93
	2	3.96	3.11	19.66	2.23	6.05	7.94	39.32	12.10	65.72
	2.5	4.91	3.85	24.01	2.21	7.39	9.77	48.01	14.77	52.99

(segue)



TUBOLARI

TUBI TONDI

(seguito)

Diametro esterno D mm	Spessore s mm	Sezione Metallica A cm ²	Massa Lineica M kg/m	Momento d'inerzia I cm ⁴	Raggio d'inerzia R cm	Modulo di resistenza elastico W cm ³	Modulo di resistenza plastico S cm ³	Mom in Torsione J cm ⁴	Costante di torsi C cm ³	Superf. Esterna m ² /t
65	3	5.84	4.59	28.14	2.19	8.66	11.54	56.29	17.32	44.52
	4	7.67	6.02	35.81	2.16	11.02	14.91	71.61	22.04	33.94
70	1.5	3.23	2.53	18.94	2.42	5.41	7.04	37.88	10.82	86.79
	2	4.27	3.35	24.72	2.41	7.06	9.25	49.43	14.12	65.57
	2.5	5.30	4.16	30.23	2.39	8.64	11.40	60.47	17.28	52.84
	3	6.31	4.96	35.50	2.37	10.14	13.48	71.01	20.29	44.36
	4	8.29	6.51	45.33	2.34	12.95	17.45	90.65	25.90	33.78
	5	10.21	8.01	54.24	2.30	15.50	21.17	108.48	31.00	27.44
76.1	1.5	3.52	2.76	24.46	2.64	6.43	8.35	48.93	12.86	86.63
	2	4.66	3.65	31.98	2.62	8.40	10.98	63.96	16.81	65.41
	2.5	5.78	4.54	39.19	2.60	10.30	13.55	78.37	20.60	52.69
	3	6.89	5.41	46.10	2.59	12.11	16.04	92.19	24.23	44.21
	4	9.06	7.11	59.06	2.55	15.52	20.81	118.11	31.04	33.61
	5	11.17	8.77	70.92	2.52	18.64	25.32	141.84	37.28	27.27
	6	13.21	10.37	81.76	2.49	21.49	29.56	163.52	42.97	23.05
	6	13.21	10.37	81.76	2.49	21.49	29.56	163.52	42.97	23.05
80	1.5	3.70	2.90	28.50	2.78	7.13	9.24	57.01	14.25	86.55
	2	4.90	3.85	37.30	2.76	9.32	12.17	74.59	18.65	65.33
	2.5	6.09	4.78	45.75	2.74	11.44	15.02	91.49	22.87	52.60
	3	7.26	5.70	53.87	2.72	13.47	17.80	107.73	26.93	44.12
	4	9.55	7.50	69.15	2.69	17.29	23.13	138.29	34.57	33.52
83	2	5.09	4.00	41.76	2.86	10.06	13.12	83.53	20.13	65.27
	2.5	6.32	4.96	51.26	2.85	12.35	16.21	102.53	24.71	52.54
	3	7.54	5.92	60.40	2.83	14.56	19.21	120.81	29.11	44.06
	4	9.93	7.79	77.64	2.80	18.71	24.99	155.29	37.42	33.46
88.9	2	5.46	4.29	51.57	3.07	11.60	15.11	103.14	23.20	65.16
	2.5	6.79	5.33	63.37	3.06	14.26	18.67	126.75	28.51	52.43
	3	8.10	6.36	74.76	3.04	16.82	22.15	149.53	33.64	43.95
	4	10.67	8.38	96.34	3.00	21.67	28.85	192.68	43.35	33.35
	5	13.18	10.35	116.37	2.97	26.18	35.24	232.75	52.36	27.00
	6	15.63	12.27	134.94	2.94	30.36	41.31	269.88	60.72	22.77
	7	18.01	14.14	152.11	2.91	34.22	47.07	304.23	68.44	19.75
	8	20.33	15.96	167.97	2.87	37.79	52.53	335.93	75.58	17.50
96	2	5.91	4.64	65.26	3.32	13.60	17.67	130.53	27.19	65.05
	2.5	7.34	5.76	80.31	3.31	16.73	21.86	160.61	33.46	52.32
	3	8.77	6.88	94.86	3.29	19.76	25.96	189.72	39.52	43.83
	4	11.56	9.08	122.55	3.26	25.53	33.88	245.09	51.06	33.23
	5	14.29	11.22	148.41	3.22	30.92	41.45	296.82	61.84	26.88
	6	16.96	13.32	172.53	3.19	35.94	48.67	345.06	71.89	22.65
	7	19.57	15.36	194.99	3.16	40.62	55.56	389.97	81.24	19.63
101.6	2	6.26	4.91	77.63	3.52	15.28	19.84	155.26	30.56	64.97
	2.5	7.78	6.11	95.61	3.50	18.82	24.56	191.22	37.64	52.24
	3	9.29	7.29	113.04	3.49	22.25	29.17	226.07	44.50	43.75
	4	12.26	9.63	146.28	3.45	28.80	38.12	292.57	57.59	33.15
	5	15.17	11.91	177.47	3.42	34.93	46.70	354.94	66.87	26.80
	6	18.02	14.15	206.68	3.39	40.68	54.91	413.35	81.37	22.56
	7	20.80	16.33	233.99	3.35	46.06	62.76	467.99	92.12	19.54

(segue)



TUBOLARI

TUBI TONDI

(seguito)

Diametro esterno D mm	Spessore s mm	Sezione Metallica A cm ²	Massa Lineica M kg/m	Momento d'inerzia I cm ⁴	Raggio d'inerzia R cm	Modulo di resistenza elastico W cm ³	Modulo di resistenza plastico S cm ³	Mom in Torsione J cm ⁴	Costante di torsi C cm ³	Superf. Esterna m ² /t
101.6	8	23.52	18.47	259.50	3.32	51.08	70.26	519.00	102.17	17.28
108	2	6.66	5.23	93.58	3.75	17.33	22.47	187.15	34.66	64.90
	2.5	8.29	6.50	115.35	3.73	21.36	27.83	230.69	42.72	52.16
	3	9.90	7.77	136.49	3.71	25.28	33.08	272.98	50.55	43.68
	4	13.07	10.26	176.95	3.68	32.77	43.29	353.91	65.54	33.07
	5	16.18	12.70	215.06	3.65	39.83	53.09	430.12	79.65	26.71
	6	19.23	15.09	250.91	3.61	46.46	62.50	501.81	92.93	22.48
114.3	2	7.06	5.54	111.27	3.97	19.47	25.23	222.53	38.94	64.83
	2.5	8.78	6.89	137.26	3.95	24.02	31.25	274.52	48.03	52.09
	3	10.49	8.23	162.55	3.94	28.44	37.17	325.10	56.88	43.61
	4	13.86	10.88	211.07	3.90	36.93	48.69	422.13	73.86	33.00
	5	17.17	13.48	256.92	3.87	44.96	59.77	513.84	88.91	26.64
	6	20.41	16.03	300.21	3.83	52.53	70.45	600.42	105.06	22.41
	7	23.60	18.52	341.04	3.80	59.67	80.71	682.07	119.35	19.39
	8	26.72	20.97	379.49	3.77	66.40	90.57	758.98	132.81	17.12
	9	29.77	23.37	415.67	3.74	72.73	100.04	831.434	145.47	15.36
	10	32.77	25.72	449.66	3.70	78.68	109.12	899.33	157.36	13.96
127	2	7.85	6.17	153.44	4.42	24.16	31.25	306.87	48.33	64.71
	2.5	9.78	7.68	189.53	4.40	29.85	38.76	379.06	59.70	51.98
	3	11.69	9.17	224.75	4.39	35.39	46.14	449.50	70.79	43.49
	4	15.46	12.13	292.61	4.35	46.08	60.54	585.23	92.16	32.88
	5	19.16	15.04	357.14	4.32	56.24	74.46	714.28	112.48	26.52
	6	22.81	17.90	418.44	4.28	65.90	87.92	836.88	131.79	22.28
	7	26.39	20.72	476.63	4.25	75.06	100.91	953.25	150.12	19.26
	8	29.91	23.48	531.80	4.22	83.75	113.46	1063.60	167.50	16.99
	9	33.36	26.19	584.07	4.18	91.98	125.56	1168.15	183.96	15.23
	10	36.76	28.85	633.55	4.15	99.77	137.22	1267.09	199.54	13.83
133	2.5	10.25	8.05	218.27	4.61	32.82	42.58	436.54	65.64	51.93
	3	12.25	9.62	258.97	4.60	38.94	50.71	517.93	77.88	43.44
	4	16.21	12.73	337.53	4.56	50.76	66.59	675.05	101.51	32.83
	5	20.11	15.78	412.40	4.53	62.02	81.96	824.81	124.03	26.47
	6	23.94	18.79	483.72	4.50	72.74	96.85	967.43	145.48	22.23
139.7	2.5	10.78	8.46	253.63	4.85	36.31	47.06	507.27	72.62	51.88
	3	12.88	10.11	301.09	4.83	43.11	56.07	602.18	86.21	43.39
	4	17.05	13.39	392.86	4.80	56.24	73.68	785.72	112.49	32.79
	5	21.16	16.61	480.54	4.77	68.80	90.76	961.08	137.59	26.42
	6	25.20	19.78	564.26	4.73	80.78	107.33	1128.52	161.56	22.18
	7	29.18	22.91	644.14	4.70	92.22	123.38	1288.27	184.43	19.16
	8	33.10	25.98	720.29	4.66	103.12	138.93	1440.58	206.24	16.89
	9	36.95	29.01	792.84	4.63	113.51	153.99	1585.67	227.01	15.13
	10	40.75	31.99	861.89	4.60	123.39	168.55	1723.79	246.78	13.72
152.4	3	14.8	11.05	393.01	5.28	51.58	66.97	786.03	103.15	43.32
	4	18.65	14.64	513.73	5.25	67.42	88.11	1027.46	134.84	32.71
	5	23.15	18.18	629.54	5.21	82.62	108.68	1259.08	165.23	26.34
	6	27.60	21.66	740.57	5.18	97.19	128.67	1481.13	194.37	22.10
	7	31.98	25.10	846.95	5.15	111.15	148.10	1693.90	222.30	19.07
	8	36.29	28.49	948.82	5.11	124.52	166.98	1897.63	249.03	16.81

(segue)



TUBOLARI

TUBI TONDI

(seguito)

Diametro esterno D mm	Spessore s mm	Sezione Metallica A cm ²	Massa Lineica M kg/m	Momento d'inerzia I cm ⁴	Raggio d'inerzia R cm	Modulo di resistenza elastico W cm ³	resistenza plastica S cm ³	Mom in Torsione J cm ⁴	Costante di torsi C cm ³	Superf. Esterna m ² /t
152.4	9	40.55	31.83	1046.30	5.08	137.31	185.32	2092.60	274.62	15.04
	10	44.74	35.12	1139.53	5.05	149.54	203.11	2279.06	299.09	13.63
159	3	14.70	11.54	47.42	5.52	56.28	73.02	894.84	112.56	43.28
	4	19.48	15.29	585.33	5.48	73.63	96.12	1170.67	147.25	32.67
	5	24.19	18.99	717.88	5.45	90.30	118.62	1435.75	180.60	26.30
	6	28.84	22.64	845.19	5.41	106.31	140.53	1690.37	212.63	22.06
	7	33.43	26.24	967.41	5.38	121.69	161.84	1934.81	243.37	19.04
	8	37.95	29.79	1084.67	5.35	136.44	182.58	2169.34	272.87	16.77
	9	42.41	33.29	1197.12	5.31	150.58	202.74	2394.24	301.16	15.00
	10	46.81	36.75	1304.88	5.28	164.14	222.34	2607.76	328.27	13.59
168.3	3	15.58	12.23	532.28	5.85	63.25	81.98	1064.57	126.51	43.23
	4	20.65	16.21	697.09	5.81	82.84	108.00	1394.18	165.68	32.62
	5	25.65	20.14	855.85	5.78	101.70	133.38	1711.69	203.41	26.26
	6	30.59	24.02	1008.69	5.74	119.87	158.12	2017.39	239.74	22.02
	7	35.47	27.85	1155.79	5.71	137.35	182.84	2311.58	274.70	18.99
	8	40.29	31.63	1297.27	5.67	154.16	205.74	2594.54	308.32	16.72
	9	45.04	35.36	1433.29	5.64	170.33	228.63	2866.58	340.65	14.95
	10	49.73	39.04	1563.98	5.61	185.86	250.92	3127.97	371.71	13.54
177.8	3	16.47	12.93	629.41	6.18	70.80	91.67	1258.82	141.60	43.19
	4	21.84	17.14	825.09	6.15	92.81	120.85	1650.17	185.62	32.58
	5	27.14	21.31	1013.97	6.11	114.06	149.34	2027.94	228.11	26.21
	6	32.38	25.42	1196.22	6.08	134.56	177.16	2392.43	269.12	21.97
	7	37.56	29.49	1371.99	6.04	154.33	204.32	2743.98	308.66	18.94
	8	42.68	33.50	1541.44	6.01	173.39	230.83	3082.87	346.78	16.67
	9	47.73	37.47	1704.72	5.98	191.76	256.68	3409.44	383.51	14.91
	10	52.72	41.38	1861.98	5.94	209.45	281.90	3723.96	418.89	13.50
193.7	3	17.97	14.11	817.22	6.74	84.38	109.11	1634.45	168.76	43.13
	4	23.84	18.71	1072.79	6.71	110.77	143.97	2145.58	221.54	32.52
	5	29.64	23.27	1320.23	6.67	136.32	178.08	2640.46	272.63	26.15
	6	35.38	27.77	1559.72	6.64	161.05	211.46	3119.45	322.09	21.91
	7	41.06	32.23	1791.43	6.61	184.97	244.11	3582.87	369.94	18.88
	8	46.67	36.64	2015.54	6.57	208.11	276.05	4031.07	416.22	16.61
	9	52.22	40.99	2232.20	6.54	230.48	307.27	4464.40	460.96	14.84
	10	57.51	45.30	2441.59	6.50	252.10	337.79	4883.18	504.20	13.43
219.1	3	20.37	15.99	1189.13	7.64	108.55	140.11	2378.26	217.09	43.05
	4	27.03	15.99	1189.13	7.64	108.55	140.11	2378.26	217.09	43.05
	5	33.63	26.40	1928.04	7.57	176.00	229.24	2856.09	351.99	26.07
	6	40.17	31.53	2281.95	7.54	208.30	272.54	4563.89	416.60	21.83
	7	46.64	36.61	2625.75	7.50	239.68	315.02	5251.49	479.37	18.80
	8	53.06	41.65	2959.63	7.47	270.16	356.68	5919.27	540.33	16.53
	9	59.40	46.63	3283.80	7.43	299.75	397.52	6567.60	599.51	14.76
	10	65.69	51.57	3598.44	7.40	328.47	437.56	7196.88	656.95	13.35
244.5	4	30.22	23.72	2185.67	8.50	178.79	231.38	4371.35	357.57	32.38
	5	37.62	29.53	2698.58	8.47	220.74	286.84	5397.16	441.49	26.01
	6	44.96	35.29	3198.53	8.43	261.64	341.37	6397.07	523.28	21.77
	7	52.23	41.00	3685.75	8.40	301.49	394.96	7371.50	602.99	18.73
	8	59.44	46.66	4160.45	8.37	340.32	447.63	8320.89	680.65	16.46

(segue)



TUBOLARI

TUBI TONDI

(seguito)

Diametro esterno D mm	Spessore s mm	Sezione Metallica A cm ²	Massa Lineica M kg/m	Momento d'inerzia I cm ⁴	Raggio d'inerzia R cm	Moduli elastico W cm ³	resistenza plastica S cm ³	Mom in Torsione J cm ⁴	Costante di torsi C cm ³	Superf. Esterna m ² /t
244.5	9	66.59	52.27	4622.84	8.33	378.15	499.39	9245.68	756.29	14.70
	10	73.67	57.83	5073.15	8.30	414.98	550.24	10146.29	829.96	13.28
273	4	33.80	26.54	3058.25	9.51	224.05	289.47	611.50	448.09	32.32
	5	42.10	33.05	3780.81	9.48	276.98	359.16	7561.63	553.97	25.95
	6	50.33	39.51	4487.08	9.44	328.72	427.81	8974.17	657.45	21.71
	7	58.50	45.29	5177.30	9.41	379.29	495.41	10354.60	758.58	18.68
	8	66.60	52.28	5851.71	9.37	428.70	561.97	11703.43	857.39	16.40
	9	74.64	58.60	6510.56	9.34	476.96	627.51	13021.13	953.93	14.64
	10	82.62	64.86	7154.09	9.31	524.11	692.02	14308.19	1042.22	13.22
323.9	4	40.20	31.56	5143.17	11.31	317.58	409.37	10286.33	635.15	32.25
	5	50.09	39.32	6369.42	11.28	393.30	508.53	12738.85	786.59	25.88
	6	59.92	47.04	7572.47	11.24	467.58	606.43	15144.93	935.16	21.63
	7	69.69	54.71	8752.59	11.21	540.45	703.09	17505.18	1080.90	18.60
	8	79.39	62.32	9910.08	11.17	611.92	798.51	19820.16	1223.84	16.33
	9	89.04	69.89	11045.24	11.14	682.02	892.70	22090.47	1364.03	14.56
339.7	10	98.61	77.41	12158.34	11.10	750.75	985.67	24316.68	1501.49	13.14
	5	52.57	41.27	7363.66	11.83	433.54	560.16	14727.33	867.08	25.86
	6	62.90	49.38	8758.31	11.80	515.65	668.21	17516.61	1031.30	21.61
	7	73.16	57.43	10127.65	11.77	596.27	774.94	20255.29	1192.54	18.58
	8	83.37	65.44	11471.99	11.73	675.42	880.37	22943.98	1350.84	16.31
	9	93.50	73.40	12791.65	11.70	753.11	984.51	25583.30	1506.23	14.54
355.6	10	103.58	81.31	14086.92	11.66	829.37	1087.35	28173.84	1658.75	13.13
	5	55.07	43.23	8463.58	12.40	476.02	614.64	16927.15	952.03	25.84
	6	65.90	51.73	10070.55	12.36	566.40	733.39	20141.11	1132.80	21.60
	7	766.66	60.18	11649.71	12.33	655.21	850.77	23299.42	1310.43	18.56
	8	87.36	68.58	13201.37	12.29	742.48	966.78	26402.75	1484.97	16.29
	9	98.00	76.93	14725.86	12.26	828.23	1081.43	29451.73	1656.45	14.52
406.4	10	108.57	85.23	16223.50	12.22	912.46	1194.73	32447.00	1824.92	13.11
	5	63.05	49.50	12700.75	14.19	625.04	805.65	25401.50	1250.07	25.80
	6	75.47	59.25	15128.33	14.16	744.50	961.99	30256.65	1489.01	21.55
	7	87.83	68.95	17519.25	14.12	862.17	1116.76	35038.50	1724.34	18.52
	8	100.13	78.60	19873.89	14.09	978.05	1269.95	39747.79	1956.09	16.24
	9	112.36	88.20	22192.62	14.05	1092.16	1421.58	44385.25	2184.31	14.47
457.0	10	124.53	97.76	24475.81	14.02	1204.52	1571.66	48951.63	2409.04	13.06
	6	85.05	66.76	21646.87	15.95	496.93	1221.56	43293.75	1893.86	21.51
	7	99.00	77.72	25088.77	15.92	1097.50	1418.87	50177.54	2194.99	18.48
	8	112.90	88.62	28484.38	15.88	1246.04	1614.42	56968.77	2942.07	16.21
	9	126.73	99.48	31834.13	15.85	1392.57	1808.19	63668.27	2785.14	14.44
	10	140.49	110.29	35138.43	15.81	1537.11	2000.21	70276.86	3074.23	13.02
508	6	94.62	74.28	29811.53	17.75	1173.68	1512.10	59623.07	2347.36	21.49
	7	110.18	86.49	34574.50	17.71	1361.20	1757.12	69149.00	2722.40	18.45
	8	125.66	98.65	39279.96	17.68	1546.46	2000.17	78559.92	3092.91	16.18
	9	141.09	110.75	43928.39	17.65	1729.46	2241.25	87856.78	3458.93	14.41
	10	156.45	122.81	48520.25	17.61	1910.25	2480.37	97040.49	3820.49	12.99