



TUBOLARI

TUBI RETTANGOLARI

(seguito)

Profilo		Spessore	Sezione	Massa lineica	Momento d'inerzia		Raggio d'inerzia		Modulo di resistenza				Mom in Torsione	Costante di torsi	Superf. Esterna
a mm	b mm	s mm	A cm ²	M kg/m	I _x cm ⁴	I _y cm ⁴	r _x cm	r _y cm	W _x cm ³	W _y cm ³	S _x cm ³	S _y cm ³	J cm ⁴	C cm ³	m ² /t
200	100	8	43.24	33.95	2089.29	704.68	6.95	4.04	208.93	140.94	267.26	164.65	1810.72	249.60	22.56
		9	47.28	37.12	2200.41	744.82	6.82	3.97	220.04	148.96	286.34	176.83	1980.62	269.43	20.30
		10	51.71	40.59	2350.98	793.43	6.74	3.92	235.10	158.69	309.29	190.75	2139.53	288.87	18.44
200	150	3	20.41	16.02	1215.37	784.78	7.72	6.20	121.54	104.64	142.80	117.58	1478.16	167.81	49.29
		4	26.95	21.15	1583.15	1020.94	7.67	6.16	158.38	136.13	187.24	154.07	1942.03	218.55	37.17
		5	33.14	26.02	1912.69	1232.59	7.60	6.10	191.27	164.35	227.97	187.61	2400.44	266.55	29.93
		6	39.32	30.87	2236.24	1439.11	7.54	6.05	223.62	191.88	268.36	220.75	2837.30	312.23	25.08
		7	45.36	35.61	2540.90	1632.97	7.48	6.00	254.09	217.73	307.05	252.46	3258.90	355.51	21.62
		8	51.24	40.23	2827.00	1814.43	7.43	5.95	282.70	241.92	344.06	282.76	3664.86	396.44	19.03
		9	56.28	44.18	3021.84	1942.28	7.33	5.87	302.18	258.97	372.29	306.29	4056.66	432.77	17.06
		10	61.71	48.44	3254.32	2089.86	7.26	5.82	324.32	278.65	404.29	332.52	4423.93	468.27	15.45
250	100	3	20.41	16.02	1605.57	388.79	8.87	4.36	128.45	77.76	160.52	84.86	1011.74	137.86	61.78
		4	26.95	21.15	2091.51	502.94	8.81	4.32	167.32	100.59	210.41	110.90	1322.52	178.68	46.62
		5	33.14	26.02	2519.56	604.26	8.72	4.27	201.56	120.85	255.82	134.76	1625.31	216.79	37.61
		6	39.32	30.87	2942.92	701.54	8.65	4.22	235.43	140.31	300.97	158.14	1910.39	252.65	31.56
		7	45.36	36.61	3340.31	791.50	8.58	4.18	267.22	158.30	344.15	180.37	2181.58	286.17	27.24
		8	51.24	40.23	3712.10	874.38	8.51	4.13	296.97	174.88	385.37	201.45	2438.66	317.41	24.01
		9	56.28	44.18	3945.45	931.75	8.37	4.07	315.64	186.35	415.80	217.78	2675.29	344.10	21.58
		10	61.71	48.44	4240.12	996.76	8.29	4.02	339.21	199.35	451.06	235.75	2896.51	370.07	19.58
250	150	4	30.95	24.29	2696.72	1234.16	9.33	6.31	215.74	164.55	259.61	183.27	2664.68	275.38	40.60
		5	38.14	29.94	3269.97	1495.50	9.26	6.26	216.60	199.40	317.07	223.86	3296.00	336.62	32.68
		6	45.32	35.58	3836.14	1750.33	9.20	6.21	306.89	233.38	374.17	263.95	3900.18	395.16	27.38
		7	52.36	41.10	4373.95	1991.11	9.14	6.17	349.92	265.48	429.20	302.51	4485.13	450.92	23.60
		8	59.24	46.51	4883.81	2218.13	9.08	6.12	390.70	295.75	482.17	339.56	5050.45	503.96	20.76
		9	65.28	51.25	5252.88	2390.21	8.97	6.05	420.23	318.69	524.25	369.74	5602.77	552.03	18.61
		10	71.71	56.29	5680.95	2580.70	8.90	6.00	454.48	344.09	571.06	402.52	6121.94	598.92	16.85
300	100	4	30.95	24.29	3320.28	595.15	10.36	4.39	221.35	119.03	282.78	130.10	1667.86	215.55	48.83
		5	38.14	29.94	4016.11	717.17	10.26	4.34	267.74	143.43	344.93	158.51	2049.75	261.95	39.36
		6	45.32	35.58	4705.86	834.26	10.19	4.29	313.72	166.85	406.78	186.34	2410.31	305.71	33.00
		7	52.36	41.10	5358.83	943.14	10.12	4.24	357.26	188.63	466.29	212.92	2753.91	346.79	28.47
		8	59.24	46.51	5975.44	1044.09	10.04	4.20	398.36	208.82	523.47	238.25	3080.34	385.24	25.07
		10	71.71	56.29	6900.61	1200.09	9.81	4.09	460.04	240.02	617.38	280.75	3669.20	451.32	20.40
300	150	4	34.95	27.43	4196.49	1447.37	10.96	6.44	279.77	192.98	341.98	212.47	3417.14	332.23	43.24
		5	43.14	33.87	5104.03	1758.42	10.88	6.38	340.27	234.46	418.68	260.11	4227.74	406.70	34.80
		6	51.32	40.29	6002.58	2061.55	10.81	6.34	400.17	274.87	494.98	307.15	5005.62	478.11	29.15
		7	59.36	46.60	6861.47	2349.25	10.75	6.29	457.34	313.23	568.84	352.56	5760.02	546.36	25.11
		8	67.24	52.79	7681.15	2621.84	10.69	6.24	512.08	349.58	640.27	296.36	6490.59	611.52	22.08
		10	81.71	64.14	9003.94	3071.53	10.50	6.13	600.26	409.54	762.83	472.52	7884.90	729.64	17.91
300	200	4	38.95	30.57	5072.70	2736.44	11.41	8.38	338.18	273.64	401.18	304.84	5527.02	448.98	38.90
		5	48.14	37.79	6191.95	3338.94	11.34	8.33	412.80	333.89	492.43	374.22	6857.25	551.61	31.19
		6	57.32	45.00	7299.30	3930.40	11.28	8.28	486.62	393.04	583.18	442.96	8143.43	650.75	26.09
		7	66.36	52.09	8364.11	4497.33	11.23	8.23	557.61	449.73	671.39	509.70	9400.02	746.32	22.46
		8	75.24	59.07	9386.86	5040.12	11.17	8.18	625.79	504.01	757.07	574.46	10626.50	838.38	19.74
		10	91.71	71.99	11107.27	5964.32	11.01	8.06	740.48	596.43	907.83	689.29	13016.03	1009.04	15.95
400	200	5	58.14	45.64	12402.87	4289.77	14.61	8.59	620.14	428.98	758.13	471.72	10186.26	741.73	34.59
		6	69.32	54.42	14663.84	5059.84	14.54	8.54	733.19	505.98	899.80	559.36	12105.10	876.56	28.93
		7	80.36	63.08	16853.06	5801.62	14.48	8.50	842.65	580.16	1038.18	644.80	13983.25	1007.06	24.89

(segue)



TUBOLARI

TUBI RETTANGOLARI

(seguito)

Profilo		Spessore s mm	Sezione A cm ²	Massa lineica M kg/m	Momento d'inerzia		Raggio d'inerzia		Modulo di resistenza				Mom in Torsione J cm ⁴	Costante di torsi C cm ³	Superf. Esterna m ² /t
a mm	b mm				I _y cm ⁴	I _x cm ⁴	r _y cm	r _x cm	W _y cm ³	W _x cm ³	S _y cm ³	S _x cm ³			
400	200	8	91.24	71.63	18971.13	6515.53	14.42	8.45	948.56	651.55	1173.29	728.06	15820.22	1133.29	21.86
		10	111.71	87.69	22642.29	7770.98	14.24	8.34	1132.11	777.10	1416.37	879.29	19414.86	1370.07	17.66
400	250	5	63.14	49.57	14353.28	7022.06	15.08	10.55	717.66	561.76	856.88	623.32	14811.34	936.65	3185
		6	75.32	59.13	16992.56	8302.24	15.02	10.50	849.63	644.18	1018.00	740.17	17632.22	1109.23	26.62
		7	87.36	68.58	19556.20	9542.17	14.96	10.45	977.81	763.37	1175.73	854.45	20404.48	1277.05	22.89
		8	99.24	77.91	22044.84	10742.34	14.90	10.40	1102.24	859.39	1330.09	966.17	23127.49	1440.19	20.10
		10	121.71	95.54	26445.63	12885.12	14.74	10.29	1322.28	1030.81	1611.37	1171.06	28504.82	1749.52	16.21



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