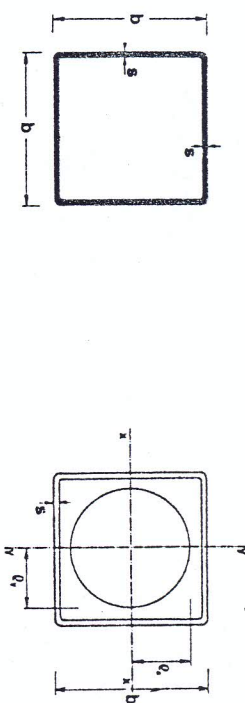


TABELLA 4.11
TUBI IN ACCIAIO SENZA SALDATURA A SEZIONE QUADRA



Lato esterno <i>b</i> mm	Spessore parete <i>s</i> mm	Sezione cm ²	Peso kg/m	Valori statici relativi agli assi xx-yy		
				$J_x = J_y$ cm ⁴	$W_x = W_y$ cm ³	$i_x = i_y$ cm
40*	2,9	4,30	3,38	9,93	4,97	1,52
50*	2,9	5,46	4,29	20,30	8,11	1,93
60*	3,6	8,12	6,38	43,20	14,40	2,34
70	4,0	10,60	8,29	76,90	22,00	2,70
80	4,0	12,20	9,55	117,00	29,30	3,11
90	4,0	13,80	10,80	170,00	37,80	3,51
100	4,0	15,40	12,10	236,00	47,30	3,92
110	4,5	19,00	14,90	353,00	64,20	4,31
120	5,0	23,00	18,10	508,00	84,70	4,70
130	5,0	25,00	19,60	652,00	100,00	5,11
140	5,4	29,10	22,80	879,00	126,00	5,50
150	5,4	31,20	24,50	1090,00	145,00	5,91
160	7,1	43,40	34,10	1696,00	212,00	6,25

* $S < 4$ mm; valgono le norme CNR-UNI 10022/74 (formati a freddo).

TABELLA 4.12
TUBI IN ACCIAIO SENZA SALDATURA A SEZIONE RETTANGOLARE



Lati esterni <i>h</i> x <i>b</i> mm	Spessore parete <i>s</i> mm	Sezione cm ²	Peso kg/m	Valori statici relativi agli assi xx-yy					
				J_x cm ⁴	J_y cm ⁴	W_x cm ³	W_y cm ³	i_x cm	i_y cm
60 x 42*	2,9	5,58	4,38	27,6	15,6	9,19	7,44	2,22	1,67
70 x 49*	3,6	8,05	6,32	53,8	30,4	15,40	12,40	2,58	1,94
80 x 56	4,0	10,20	8,04	89,6	50,7	22,40	18,10	2,96	2,23
90 x 63	4,0	11,60	9,11	130,0	73,8	28,90	23,40	3,35	2,52
100 x 70	4,5	14,50	11,40	200,0	114,0	40,10	32,50	3,72	2,80
120 x 84	4,5	17,60	13,80	355,0	202,0	59,10	48,20	4,50	3,40
140 x 98	5,0	22,80	17,90	630,0	360,0	90,00	73,40	5,26	3,97
160 x 112	5,4	28,20	22,10	1022,0	585,0	128,00	104,00	6,02	4,55
180 x 126	5,9	34,70	27,30	1595,0	913,0	177,00	145,00	6,78	5,13
200 x 140	7,1	46,30	36,30	2609,0	1491,0	261,00	213,00	7,51	5,68
220 x 154	7,1	51,10	40,10	3510,0	2010,0	319,00	261,00	8,29	6,27
240 x 168	7,1	55,90	43,90	4598,0	2638,0	383,00	314,00	9,07	6,87
260 x 182	8,0	68,20	53,50	6562,0	3761,0	505,00	413,00	9,81	7,43
280 x 196	8,0	73,60	57,80	8255,0	4739,0	590,00	484,00	10,60	8,02
300 x 210	10,0	98,00	76,90	12493,0	7148,0	833,00	681,00	11,30	8,54
320 x 224	10,0	105,00	82,30	15267,0	8748,0	954,00	781,00	12,10	9,14
340 x 238	10,0	112,00	87,60	18424,0	10570,0	1084,00	888,00	12,80	9,73
360 x 252	10,0	118,00	92,20	21990,0	12629,0	1222,00	1002,00	13,60	10,30
380 x 266	10,0	125,00	98,30	25988,0	14939,0	1368,00	1123,00	14,40	10,90
400 x 280	10,0	132,00	104,00	30444,0	17516,0	1522,00	1251,00	15,20	11,50

* $S < 4$ mm; valgono le norme CNR-UNI 10022/74 (formati a freddo).