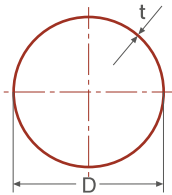
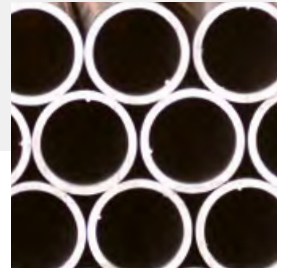


02. Tubos estructurales · Hollow structural sections

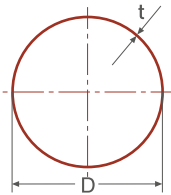
Tubo redondo
Circular tube



Peso teórico kg / metro
Theoretical weight kg / meter

Diámetro exterior Outside diameter	Espesor de pared t / t wall thickness							
	3	4	5	6	7	8	9	10
33,7	2,270	2,950						
40	2,740	3,551						
42,4	2,910	3,810						
45	3,110	4,044						
48,3	3,350	4,370	5,301					
50	3,480	4,540	5,548					
60,3	4,240	5,550	6,781	7,989				
63	4,440	5,820	7,150	8,433				
70	4,950	6,510	8,013	9,468				
76,1	5,410	7,110	8,770	10,370				
80	5,700	7,500	9,250	10,950	12,600			
83	5,920	7,790	9,616	11,391	13,117			
88,9	6,360	8,380	10,350	12,270	14,136			
90	6,440	8,480	10,479	12,427	14,326	16,175	17,975	
100	7,180	9,470	11,710	13,910	16,052	18,150	20,194	22,191
101,6	7,290	9,630	11,910	14,150	16,328	18,470	20,549	22,586
108	7,770	10,260	12,698	15,090	17,432	19,725	21,969	24,164
110	7,920	10,460	12,945	15,386	17,777	20,120	22,413	24,657
113	8,140	10,750	13,320	15,830	18,290	20,710	23,080	25,400
114,3	8,230	10,880	13,480	16,030	18,520	20,970	23,367	25,717
120	8,660	11,440	14,178	16,865	19,503	22,092	24,632	27,122
125	9,030	11,940	14,800	17,610	20,366	23,080	25,742	28,360
127	9,170	12,130	15,000	17,901	20,712	23,473	26,185	28,848
133	9,620	12,730	15,800	18,788	21,747	24,657	27,517	30,328

Tubo redondo Circular tube



Peso teórico kg / metro
Theoretical weight kg / meter

Diámetro exterior Outside diameter	Espesor de pared t / t wall thickness										
	3	4	5	6	7	8	9	10	11	12	12,5
139,7	10,110	13,390	16,610	19,780	22,783	25,980	28,848	31,990	39,906	37,784	
152	11,020	14,600	18,130	21,600	25,027	28,405	31,733	35,013	38,351	41,542	
159	11,540	15,290	18,990	22,640	26,235	29,790	33,287	36,738	40,141	43,494	
164	11,910	15,780	19,600	23,370	27,100	30,770	34,400	37,970	41,500	44,980	46,700
168,3	12,230	16,210	20,140	24,020	27,840	31,630	35,350	39,040	42,663	46,250	48,030
177,8	12,930	17,140	21,310	25,420	29,480	33,500	37,458	41,374	45,240	49,057	50,947
193,7	14,110	18,710	23,270	27,770	32,224	36,640	40,987	45,300	49,553	53,761	55,860
200	14,570	19,330	24,040	28,710	33,320	37,880	42,390	46,850	51,270	55,630	57,800
219,1	15,990	21,220	26,400	31,530	36,608	41,650	46,623	51,570	56,442	61,277	63,690
244,5		23,720	29,530	35,290	41,000	46,660		57,830		68,810	71,520