



Relação do aço

V72	V73	V74			
V75	V76	V77			
V79	V80	V81			
V82	V83	V84			
V85	V86	V87			
V88	V89	V90			
V91	V92	V93			
V94	V95	V96			
V97	V98	V99			
V100	V103	V104			
V105	V106				
AÇO	N	D (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA80	1	5.0	455	100	45500
	2	5.0	23	116	2668
CA50	3	5.0	2	443	886
	4	5.0	2	265	530
	5	6.3	7	65	455
	6	6.3	4	268	1152
	7	8.0	4	346	1384
	8	8.0	2	372	744
	9	8.0	2	472	944
	10	8.0	6	139	834
	11	8.0	2	254	508
	12	8.0	2	272	544
	13	8.0	4	157	628
	14	8.0	2	463	926
	15	8.0	1	113	113
	16	8.0	2	107	107
	17	8.0	1	480	960
	18	8.0	3	224	672
	19	8.0	2	586	1172
	20	8.0	1	88	88
	21	8.0	2	595	1190
	22	8.0	2	231	462
23	8.0	1	135	135	
24	8.0	3	219	657	
25	8.0	2	282	564	
26	8.0	2	410	820	
27	8.0	2	312	624	
28	8.0	4	360	1440	
29	8.0	2	793	1586	
30	8.6	2	436	872	
31	8.0	2	243	486	
32	8.0	2	284	568	
33	8.0	1	624	1248	
34	8.0	2	185	370	
35	8.0	2	251	502	
36	8.0	2	277	554	
37	8.0	4	96	384	
38	8.0	2	298	596	
39	8.0	2	539	1078	
40	8.0	2	163	326	
41	8.0	2	384	768	
42	10.0	1	148	148	
43	10.0	2	479	958	
44	10.0	2	355	710	
45	10.0	3	268	804	
46	10.0	1	221	221	
47	10.0	2	345	690	
48	10.0	1	134	134	
49	10.0	2	305	610	
50	10.0	1	123	123	
51	10.0	2	415	830	
52	10.0	2	340	680	
53	10.0	2	269	538	
54	10.0	2	321	642	
55	10.0	2	474	948	
56	10.0	2	638	1276	
57	10.0	2	342	684	
58	10.0	2	164	328	
59	10.0	2	165	330	
60	10.0	2	199	398	
61	12.5	4	385	1540	
62	12.5	2	416	832	
63	12.5	2	167	334	
64	12.5	2	437	874	
65	12.5	2	275	550	
66	12.5	1	216	216	
67	12.5	2	248	496	
68	12.5	2	388	776	
69	12.5	2	608	1216	
70	12.5	1	211	211	
71	12.5	2	275	550	
72	12.5	1	85	85	
73	12.5	2	596	1192	
74	12.5	2	639	1278	
75	12.5	2	212	424	
76	12.5	2	228	456	
77	12.5	2	605	1210	
78	16.0	2	359	718	

desenho gerado no QiBuilder2018