



RELACÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	364	99	36036
	2	5.0	2	132	264
	3	5.0	2	155	310
	4	5.0	57	139	7923
	5	5.0	2	80	160
	6	5.0	2	210	420
	7	5.0	4	374	1496
	8	5.0	2	305	610
	9	5.0	2	175	350
	10	5.0	2	135	270
	11	5.0	2	125	250
	12	5.0	2	145	290
	13	5.0	2	374	748
	14	5.0	2	225	450
	15	5.0	2	310	620
	16	5.0	2	223	446
	17	5.0	2	143	286
	18	5.0	2	190	380
	19	5.0	2	185	370
	20	5.0	2	185	370
CA50	21	5.0	2	165	330
	22	6.3	4	230	920
	23	6.3	6	1175	7050
	24	8.0	4	382	1528
	25	8.0	2	168	336
	26	8.0	2	145	290
	27	8.0	2	269	538
	28	8.0	6	373	2238
	29	8.0	4	149	596
	30	8.0	4	130	520
	31	8.0	2	296	592
	32	8.0	1	175	175
	33	8.0	2	471	942
	34	8.0	2	202	404
	35	8.0	2	248	496
	36	8.0	2	100	200
	37	8.0	2	125	250
	38	8.0	6	374	2244
	39	8.0	4	65	260
	40	8.0	1	235	235
	41	8.0	2	120	240
	42	8.0	3	137	411
	43	8.0	4	150	600
	44	8.0	2	229	458
	45	8.0	1	121	121
	46	8.0	2	181	362
	47	8.0	2	356	712
	48	8.0	10	135	1350
	49	8.0	1	160	160
	50	8.0	2	301	602
	51	8.0	1	245	245
	52	8.0	8	115	920
	53	8.0	4	95	380
	54	8.0	2	223	446
	55	8.0	2	143	286
	56	8.0	6	374	2244
	57	8.0	2	414	828
	58	10.0	2	230	460
	59	10.0	2	243	486
	60	10.0	2	360	720
	61	10.0	2	402	804
	62	10.0	2	229	458
	63	10.0	4	374	1496
	64	10.0	1	275	275
	65	10.0	4	374	1496
	66	10.0	2	393	786
	67	10.0	1	275	275
	68	10.0	2	384	768
	69	12.5	1	205	205
	70	12.5	2	738	1476

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	79.7	21.5
	8.0	229.6	99.6
	10.0	80.2	54.4
	12.5	16.8	17.8
CA60	5.0	523.8	88.8
PESO TOTAL (kg)			
CA50		193.3	
CA60		88.8	
Volume de concreto (C-30) = 5.11 m³			
Área de forma = 65.01 m²			