



Relação do aço						
ELEMENTO	AÇO	N	DIAM	Q	UNIT	C.TOTAL
P76	CASO	112	5,0	15	68	1020
P77	CASO	113	10,0	4	153	612
P78	CASO	114	5,0	13	68	884
P79	CASO	115	10,0	4	138	552
P80	CASO	116	5,0	10	68	680
P81	CASO	117	10,0	4	138	552
P82	CASO	118	5,0	13	68	884
P83	CASO	119	12,5	4	157	628
P84	CASO	120	5,0	10	108	1080
P85	CASO	121	12,5	4	157	628
P86	CASO	122	5,0	15	68	1020
P87	CASO	123	10,0	4	138	552
P88	CASO	124	5,0	55	138	7590
P89	CASO	125	5,0	32	34	1088
P90	CASO	126	5,0	55	138	7590
P91	CASO	127	5,0	34	34	1156
P92	CASO	128	12,5	4	397	1588
P93	CASO	129	12,5	2	83	166
P94	CASO	130	12,5	2	83	166
P95	CASO	131	12,5	4	207	828
P96	CASO	132	16,0	6	116	232
P97	CASO	133	16,0	6	174	1044
P98	CASO	134	16,0	6	222	1332
P99	CASO	135	5,0	55	138	7590
P100	CASO	136	5,0	34	34	1156
P101	CASO	137	5,0	32	34	1088
P102	CASO	138	5,0	14	108	1512
P103	CASO	139	12,5	4	397	1588
P104	CASO	140	12,5	2	83	166
P105	CASO	141	12,5	4	207	828
P106	CASO	142	12,5	4	207	828
P107	CASO	143	16,0	6	116	232
P108	CASO	144	16,0	6	174	1044
P109	CASO	145	16,0	6	222	1332
P110	CASO	146	5,0	8	108	864
P111	CASO	147	5,0	8	28	224
P112	CASO	148	20,0	6	138	276
P113	CASO	149	5,0	8	108	864
P114	CASO	150	5,0	8	108	864
P115	CASO	151	5,0	8	108	864
P116	CASO	152	5,0	8	28	224
P117	CASO	153	20,0	6	138	276
P118	CASO	154	5,0	8	108	864
P119	CASO	155	5,0	16	29	464
P120	CASO	156	16,0	8	138	1008
P121	CASO	157	5,0	8	108	864
P122	CASO	158	5,0	8	29	232
P123	CASO	159	16,0	10	138	1260
P124	CASO	160	5,0	7	68	476
P125	CASO	161	16,0	4	138	424
P126	CASO	162	5,0	7	68	476
P127	CASO	163	16,0	4	116	464
P128	CASO	164	5,0	21	108	2296
P129	CASO	165	16,0	4	124	496
P130	CASO	166	16,0	4	240	960
P131	CASO	167	5,0	74	138	10112
P132	CASO	168	5,0	74	34	2516
P133	CASO	169	5,0	14	108	1512
P134	CASO	170	12,5	6	94	604
P135	CASO	171	12,5	6	285	1710
P136	CASO	172	12,5	4	566	2264
P137	CASO	173	12,5	2	611	1222
P138	CASO	174	12,5	2	611	1222
P139	CASO	175	12,5	4	639	828
P140	CASO	176	5,0	40	85	3400
P141	CASO	177	10,0	4	131	524
P142	CASO	178	10,0	4	131	524
P143	CASO	179	5,0	41	88	3608
P144	CASO	180	10,0	4	310	1240
P145	CASO	181	10,0	4	146	584
P146	CASO	182	5,0	40	88	3520
P147	CASO	183	16,0	4	312	1248
P148	CASO	184	16,0	4	174	696
P149	CASO	185	16,0	4	285	1140
P150	CASO	186	10,0	4	312	1248
P151	CASO	187	10,0	4	312	1248
P152	CASO	188	5,0	43	88	3784
P153	CASO	189	10,0	4	312	1248
P154	CASO	190	10,0	4	312	1248
P155	CASO	191	5,0	74	138	10212
P156	CASO	192	5,0	74	34	2516
P157	CASO	193	5,0	14	108	1512
P158	CASO	194	12,5	6	94	604
P159	CASO	195	12,5	6	285	1710
P160	CASO	196	12,5	4	566	2264
P161	CASO	197	12,5	2	611	1222
P162	CASO	198	12,5	2	611	1222