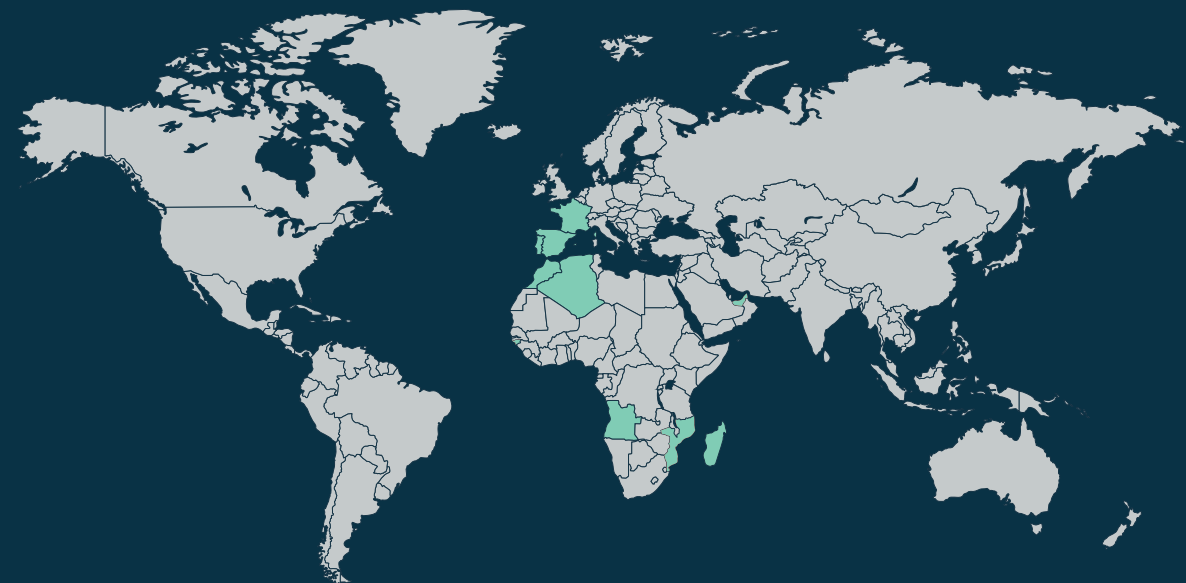


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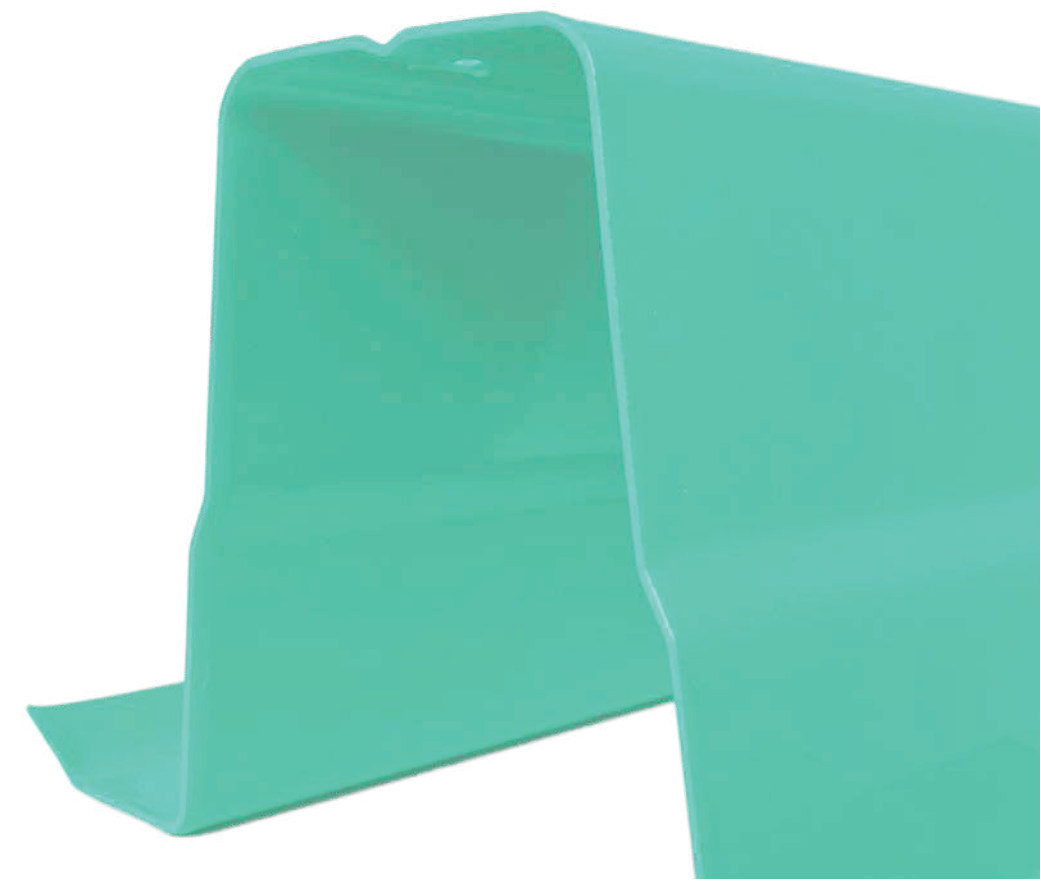
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TRPROFILE

STRUCTURES WITH ENERGY

BY **TABELARAIZ**



Perfil	Dimensões				Massa	Área	Área de pintura		Desenv.	Caraterísticas mecânicas			
	H	B	h1	t	G	A				I _y	W _{el,y}	I _z	W _{el,z, min}
	mm	mm	mm	mm	kg/m	mm2	m2/m	m2/ton	mm	mm ⁴	mm ³	mm ⁴	mm ³
CCTR 110x1.2	110	70	25	1.2	2,8	350,8	0,605	213,675	302,4	699559	12587	276086	6886
CCTR 110x1.5	110	70	25	1.5	3,5	441,5	0,605	170,940	302,4	880479	15799	347487	8700
CCTR 110x2.0	110	70	25	2	4,7	592,8	0,605	128,205	302,4	1182013	21115	466490	11753
CCTR 110x2.5	110	70	25	2.5	5,8	738,4	0,605	104,285	302,4	1429000	25980	547500	13420
CCTR 110x3.0	110	70	25	2	6,9	878,0	0,605	87,660	302,4	1689800	30720	641800	15710
CCTR 140x1.5	140	70	25	1.5	3,9	500,3	0,668	171,282	334,0	1552524	22179	374657	8616
CCTR 140x2.0	140	70	25	2	5,2	662,4	0,668	128,462	334,0	2043860	29198	487933	11205
CCTR 140x2.5	140	70	25	2.5	6,5	822,0	0,668	102,769	334,0	2522317	36033	595652	13660
CCTR 140x3.0	140	70	25	3.0	7,7	978,0	0,668	86,753	334,0	2988000	42690	698000	15980
CCTR 160x1.2	160	70	25	1.2	3,4	418,4	0,721	212,183	360,7	1691984	20998	321066	7193
CCTR 160x1.5	160	70	25	1.5	4,2	526,6	0,721	170,940	360,7	2129566	26379	404100	9084
CCTR 160x2.0	160	70	25	2	5,6	707,0	0,721	128,205	360,7	2858870	35303	542490	12264
CCTR 160x2.5	160	70	25	2.5	7,0	887,3	0,721	102,564	360,7	3588174	44173	680881	15480
CCTR 160x3.0	160	70	25	3.0	8,1	1038,0	0,721	89,064	360,7	4093200	51160	73290	16250
CCTR 210x1.2	210	70	25	1.2	3,8	476,4	0,821	213,675	410,7	3198712	30297	352358	7394
CCTR 210x1.5	210	70	25	1.5	4,8	599,6	0,821	170,940	410,7	4025965	38078	443485	9336
CCTR 210x2.0	210	70	25	2	6,4	805,0	0,821	128,205	410,7	5404720	50998	595363	12600
CCTR 210x2.5	210	70	25	2.5	8,0	1010,3	0,821	102,564	410,7	6783475	63856	747241	15898
CCTR 210x3.0	210	70	25	3	9,6	1215,7	0,821	85,470	410,7	8162229	76655	899120	19232
CCTR 260x1.5	260	70	25	1.5	5,4	672,6	0,921	170,940	460,7	6671910	51036	474321	9512
CCTR 260x2.0	260	70	25	2	7,2	903,0	0,921	128,205	460,7	8956810	68383	636759	12834
CCTR 260x2.5	260	70	25	2.5	9,0	1133,3	0,921	102,564	460,7	11241711	85664	799198	16190
CCTR 260x3.0	260	70	25	3	10,8	1363,7	0,921	85,470	460,7	13526611	102880	961637	19579
CCTR 310x2.0	310	70	25	2	8,0	1001,0	1,021	128,205	510,7	13637642	87432	670050	13007
CCTR 310x2.5	310	70	25	2.5	10,0	1256,3	1,021	102,564	510,7	17116632	109560	840981	16405
CCTR 310x3.0	310	70	25	3	12,0	1511,7	1,021	85,470	510,7	20595622	131618	1011912	19836

PT
Secções “C” caracterizadas como CCTR 110; CCTR 140; CCTR 160; CCTR 210; CCTR 260; CCTR 310;

Propriedades indicadas na tabela dizem respeito à secção bruta do perfil;

Perfis comercializados em aço EN 10346: Galvanizado a quente Z:200, 275 | Zn+Mg+Al: ZM175, ZM250, ZM310 e ZM430.

A furação é efetuada de acordo com posição indicada pelo cliente com as ferramentas existentes:

EN
Profiles produced “C” section characterized as CCTR 110; CCTR 140; CCTR 160; CCTR 210; CCTR 260; CCTR 310;

Properties indicated in the table relate to the gross section of the profile;

Profiles sold in steel EN 10346: Hot dip galvanized Z:200, 275 | Zn+Mg+Al: ZM175, ZM250, ZM310 e ZM430.

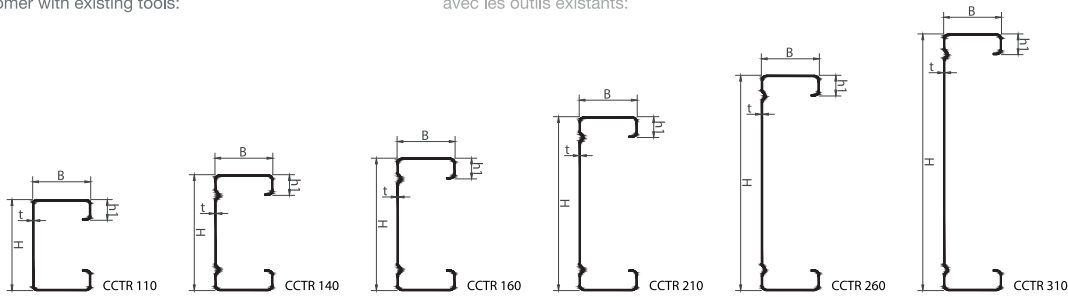
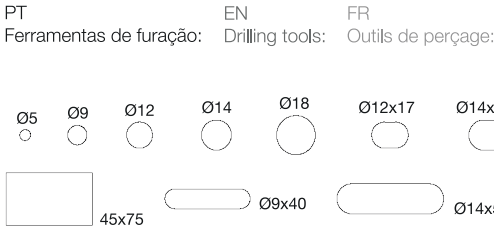
Drilling is carried out according to the position indicated by the customer with existing tools:

FR
Profils produits section “C” caractérisée comme CCTR 110; CCTR 140; CCTR 160; CCTR 210; CCTR 260; CCTR 310;

Les propriétés indiquées dans le tableau se rapportent à la section brute du profil;

Profils vendus en acier EN 10346: Galvanisé à chau Z:200, 275 | Zn+Mg+Al: ZM175, ZM250, ZM310 e ZM430.

Le perçage est effectué selon la position indiquée par le client avec les outils existants:



Perfil	Dimensões				Massa	Área	Área de pintura		Desenv.	Caraterísticas mecânicas				Furação *		
	H	B	b1	t	G	A				I _y	W _{el,y,min}	I _z	W _{el,z}	h1	h2	b2
	mm	mm	mm	mm	kg/m	mm ²	m ² /m	m ² /ton	mm	mm ⁴	mm ³	mm ⁴	mm ³	mm	mm	mm
ΩTR 60x1.0	60	140	70	1	1,88	232	0,482	256	241	134971	4380	367370	5248	-	-	105
ΩTR 60x1.2	60	140	70	1.2	2,26	280	0,482	214	241	163090	5276	443905	6342	-	-	105
ΩTR 60x1.5	60	140	70	1.5	2,82	352	0,482	171	241	205269	6608	558708	7982	-	-	105
ΩTR 60x2.0	60	140	70	2	3,80	472	0,482	127	241	263800	8680	739000	10560	-	-	105
ΩTR 110x1.2	110	188	70	1.2	3,52	436	0,751	214	376	766386	12850	1086160	11555	86	-	140
ΩTR 110x1.5	110	188	70	1.5	4,39	548	0,751	171	376	964589	16132	1367064	14543	86	-	140
ΩTR 110x2.0	110	188	70	2	5,86	736	0,751	128	376	1294928	21567	1835237	19524	86	-	140
ΩTR 160x1.2	160	198	70	1.2	4,39	544	0,937	214	469	1821050	21751	1521055	15364	86	-	150
ΩTR 160x1.5	160	198	70	1.5	5,48	684	0,937	171	469	2292011	27328	1914431	19338	86	-	150
ΩTR 160x2.0	160	198	70	2	7,31	918	0,937	128	469	3076946	36577	2570058	25960	86	-	150
ΩTR 210x1.2	210	248	70	1.2	5,67	698	1,203	212	602	3927313	34425	2730712	22022	86	185	190
ΩTR 210x1.5	210	248	70	1.5	7,04	878	1,203	171	602	4942997	43271	3436930	27717	86	185	190
ΩTR 210x2.0	210	248	70	2	9,39	1179	1,203	128	602	6635804	57963	4613961	37209	86	185	190
ΩTR 210x2.5	210	248	70	2.5	11,73	1480	1,203	103	602	8328611	72591	5790992	46702	86	185	190
ΩTR 210x3.0	210	248	70	3	14,08	1781	1,203	85	602	10021418	87155	6968023	56194	86	185	190
ΩTR 260x1.5	260	248	70	1.5	8,01	1000	1,369	171	685	8008122	58786	4165629	33594	86	185	200
ΩTR 260x2.0	260	248	70	2	10,68	1342	1,369	128	685	10750629	78774	5592215	45099	86	185	200
ΩTR 260x2.5	260	248	70	2.5	13,35	1684	1,369	103	685	13493137	98689	7018800	56603	86	185	200
ΩTR 260x3.0	260	248	70	3	16,02	2027	1,369	85	685	16235644	118531	8445386	68108	86	185	200

*Furação recomendada

PT

Secções ómega caracterizadas como ΩTR 60; ΩTR 110; ΩTR 160; ΩTR 210; ΩTR 260;

As propriedades indicadas na tabela dizem respeito à secção bruta do perfil;

Perfis comercializados em aço EN 10346: Galvanizado a quente Z:200, 275 | Zn+Mg+Al: ZM175, ZM250, ZM310 e ZM430.

A furação é efetuada de acordo com posição indicada pelo cliente com as ferramentas existentes:

EN

Profiles produced omega section characterized as ΩTR 60; ΩTR 110; ΩTR 160; ΩTR 210; ΩTR 260;

Properties indicated in the table relate to the gross section of the profile;

Profiles sold in steel EN 10346: Hot dip galvanized Z:200, 275 | Zn+Mg+Al: ZM175, ZM250, ZM310 e ZM430.

Drilling is carried out according to the position indicated by the customer with existing tools:

FR

Profils produits section oméga caractérisée ΩTR 60; ΩTR 110; ΩTR 160; ΩTR 210; ΩTR 260;

Les propriétés indiquées dans le tableau se rapportent à la section brute du profil;

Profils vendus en acier EN 10346: Galvanisé à chaud Z:200, 275 | Zn+Mg+Al: ZM175, ZM250, ZM310 e ZM430.

Le perçage est effectué selon la position indiquée par le client avec les outils existants:

PT

Ferramentas de furação:

