



PROPIEDADES MECÁNICAS DE LA SECCIÓN COMPLETA - PERFIL ESTRUCTURAL C NEGRO

REFERENCIA PERFIL	ESPESOR (mm)	CALIBRE #	A (mm)	B (mm)	C (mm)	PESO (Kg/m)	ÁREA (mm ²)	X CENT (mm)	Xo CORTE (mm)	ST VENANT J (mm ²)	WARPING Cw (mm ²)	J TORS (mm)	MOMENTO DE INERCIA Ix (mm ⁴)	Iy (mm ⁴)	MÓDULO DE SECCIÓN Sx (mm ³)	Sy (mm ³)	RADIO DE GIRO rx (mm)	ry (mm)	ro (mm)
PHR C 100 X 50 - 3.0 mm	3.0	11	100	50	15	5.06	620.52	17.047	-38.787	1861.60	411359072	58.615	958213	198665	19056	6029	39.185	17.893	57.966
PHR C 100 X 50 - 2.5 mm	2.5	12	100	50	15	4.22	523.17	17.056	-39.400	1089.90	362593760	59.100	813385	171906	16268	5218	39.430	18.127	58.614
PHR C 100 X 50 - 2.0 mm	2.0	14	100	50	15	3.38	423.40	17.064	-40.011	564.53	306571456	59.585	666448	142748	13329	4334	39.674	18.362	59.263
PHR C 100 X 50 - 1.5 mm	1.5	16	100	50	15	2.53	321.19	17.073	-40.621	240.89	242810944	60.069	511822	111085	10236	3374	39.919	18.597	59.912
PHR C 100 X 50 - 1.2 mm	1.2	18	100	50	15	2.03	258.70	17.077	-40.986	124.18	200633216	60.360	415282	90841	8306	2759	40.066	18.739	60.301
PHR C 120 X 60 - 3.0 mm	3.0	11	120	60	15	6.12	740.52	19.609	-45.129	2221.60	946705E+08	70.769	1671544	335164	27859	8298	47.511	21.275	68.894
PHR C 120 X 60 - 2.5 mm	2.5	12	120	60	15	5.10	623.17	19.620	-45.742	1298.30	827091008	71.241	1421339	288454	23689	7143	47.758	21.515	69.542
PHR C 120 X 60 - 2.0 mm	2.0	14	120	60	15	4.08	503.40	19.630	-46.354	671.20	693275264	71.713	1160070	238253	19334	5902	48.005	21.755	70.189
PHR C 120 X 60 - 1.5 mm	1.5	16	120	60	15	3.06	381.19	19.641	-46.965	285.90	544478592	72.186	887521	184436	14792	4570	48.252	21.996	70.837
PHR C 120 X 60 - 1.2 mm	1.2	18	120	60	15	2.45	306.70	19.647	-47.331	147.22	447675296	72.469	718487	150357	11975	3726	48.401	22.141	71.226
PHR C 150 X 50 - 3.0 mm	3.0	11	150	50	17	6.31	782.52	14.549	-34.450	2347.60	1.07760E+09	78.430	2536912	242032	33825	6827	56.938	17.587	68.834
PHR C 150 X 50 - 2.5 mm	2.5	12	150	50	17	5.26	658.17	14.535	-35.022	1371.20	942218432	78.658	2154637	209069	28728	5895	57.216	17.823	69.411
PHR C 150 X 50 - 2.0 mm	2.0	14	150	50	17	4.21	531.40	14.522	-35.594	708.50	790381824	78.889	1756495	173314	23420	4885	57.493	18.060	69.989
PHR C 150 X 50 - 1.5 mm	1.5	16	150	50	17	3.16	402.19	14.509	-36.165	301.60	621178368	79.123	1342224	134651	17896	3794	57.769	18.297	70.569
PHR C 150 X 50 - 1.2 mm	1.2	18	150	50	17	2.52	323.50	14.501	-36.507	155.30	510940352	79.265	1085811	110007	14477	3099	57.935	18.440	70.917
PHR C 160 X 60 - 3.0 mm	3.0	11	160	60	20	7.16	890.52	18.479	-43.970	2671.60	2.19110E+09	84.968	3400208	418866	42503	10088	61.792	21.688	78.879
PHR C 160 X 60 - 2.5 mm	2.5	12	160	60	20	5.97	748.17	18.472	-44.551	1558.70	1.90170E+09	85.299	2881149	359557	36014	8658	62.056	21.922	79.475
PHR C 160 X 60 - 2.0 mm	2.0	14	160	60	20	4.77	603.40	18.465	-45.131	804.50	1.58380E+09	85.631	2343414	296234	29293	7132	62.319	22.157	80.071
PHR C 160 X 60 - 1.5 mm	1.5	16	160	60	20	3.58	456.19	18.459	-45.711	342.10	1.23610E+09	85.965	1786715	228752	22334	5507	62.583	22.393	80.665
PHR C 160 X 60 - 1.2 mm	1.2	18	160	60	20	2.86	366.70	18.455	-46.058	176.00	1.01260E+09	86.166	1443477	186220	18043	4482	62.740	22.535	81.028
PHR C 220 X 80 - 3.0 mm	3.0	11	220	80	20	9.56	1190.50	22.540	-54.720	3571.60	8.72360E+09	118.590	8690372	943603	79003	16421	85.440	28.150	105.290
PHR C 220 X 80 - 2.5 mm	2.5	12	220	80	20	7.97	998.17	22.530	-55.300	2079.50	7.49840E+09	118.850	7333024	804923	66664	14006	85.710	28.400	105.880
PHR C 220 X 80 - 2.0 mm	2.0	14	220	80	20	6.37	803.40	22.520	-55.880	1071.20	6.18580E+09	119.120	5939783	659059	53998	11467	85.980	28.640	106.470
PHR C 220 X 80 - 1.5 mm	1.5	16	220	80	20	4.78	606.19	22.520	-56.450	454.60	4.78280E+09	119.390	4510252	505823	41002	8800	86.260	28.890	107.060
PHR C 220 X 80 - 1.2 mm	1.2	18	220	80	20	3.82	486.70	22.510	-56.800	233.60	3.89630E+09	119.550	3634953	410265	33045	7137	86.420	29.030	107.410
PHR C 305 X 80 - 3.0 mm	3.0	11	305	80	25	11.73	1475.50	20.040	-50.510	4427.0	2.06740E+10	166.070	19389458	1141419	127144	19036	114.630	27.810	128.320
PHR C 305 X 80 - 2.5 mm	2.5	12	305	80	25	9.77	1235.70	20.010	-51.050	2574.00	1.77050E+10	165.990	16323594	972436	107040	16210	114.940	28.050	128.850
PHR C 305 X 80 - 2.0 mm	2.0	14	305	80	25	7.82	993.40	19.980	-51.590	1324.50	1.45530E+10	165.910	13192153	795229	86506	13249	115.240	28.290	129.390
PHR C 305 X 80 - 1.5 mm	1.5	16	305	80	25	5.86	748.69	19.950	-52.130	561.50	1.12120E+10	165.840	9994609	609596	65538	10151	115.540	28.530	129.930
PHR C 355 X 110 - 3.0 mm	3.0	11	355	110	25	14.25	1805.50	27.890	-70.210	5417.0	6.20550E+10	192.380	33554588	2613640	189040	31830	136.320	38.050	157.990
PHR C 355 X 110 - 2.5 mm	2.5	12	355	110	25	11.87	1510.70	27.870	-70.770	3147.00	5.28310E+10	192.470	28195212	2215429	158846	26975	136.620	38.300	158.550
PHR C 355 X 110 - 2.0 mm	2.0	14	355	110	25	9.50	1213.40	27.850	-71.330	1618.00	4.31720E+10	192.560	22743454	1802626	128132	21944	136.910	38.540	159.110