

Designation	h (mm)	b (mm)	c (mm)	t (mm)	m (kg/m)	A E3 (mm <sup>2</sup> )	Ix E6 (mm <sup>4</sup> )	Zx E3 (mm <sup>3</sup> )	rx (mm)	Iy E6 (mm <sup>4</sup> )	Zy E3 (mm <sup>3</sup> )	ry (mm)	J E3 (mm <sup>4</sup> )	ay (mm)	Non pref
75x50x20x2.0	75	50	20	2.0	3.14	.400	.360	9.59	30.0	.150	5.12	19.3	.534	20.8	
75x50x20x2.5	75	50	20	2.5	3.85	.491	.433	11.5	29.7	.178	6.10	19.1	1.02	20.8	
75x50x20x3.0	75	50	20	3.0	4.54	.578	.500	13.3	29.4	.204	6.98	18.8	1.73	20.7	
100x50x20x2.0	100	50	20	2.0	3.53	.450	.705	14.1	39.6	.167	5.32	19.3	.600	18.6	
100x50x20x2.5	100	50	20	2.5	4.35	.554	.854	17.1	39.3	.200	6.35	19.0	1.15	18.6	
100x50x20x3.0	100	50	20	3.0	5.13	.653	.991	19.8	39.0	.229	7.27	18.7	1.96	18.5	
100x65x13x1.6	100	65	13	1.6	3.07	.391	.670	13.4	41.4	.220	5.23	23.8	.333	22.9	
100x75x20x2.0	100	75	20	2.0	4.32	.550	.945	18.9	41.4	.439	9.65	28.2	.734	29.5	
100x75x20x2.5	100	75	20	2.5	5.33	.679	1.15	23.0	41.2	.530	11.6	27.9	1.41	29.5	
100x75x20x3.0	100	75	20	3.0	6.30	.803	1.34	26.9	40.9	.614	13.5	27.7	2.41	29.4	
120x65x13x1.6	120	65	13	1.6	3.32	.423	1.01	16.9	48.9	.235	5.36	23.6	.361	21.2	
125x50x20x2.0	125	50	20	2.0	3.93	.500	1.19	19.1	48.8	.181	5.46	19.0	.667	16.8	
125x50x20x2.5	125	50	20	2.5	4.84	.616	1.45	23.2	48.5	.216	6.52	18.7	1.28	16.8	
125x50x20x3.0	125	50	20	3.0	5.72	.728	1.69	27.0	48.1	.248	7.47	18.5	2.18	16.8	
125x65x20x2.0	125	65	20	2.0	4.40	.560	1.42	22.7	50.3	.338	8.03	24.6	.747	22.9	
125x65x20x2.5	125	65	20	2.5	5.42	.691	1.73	27.7	50.0	.407	9.67	24.3	1.44	22.9	
125x65x20x3.0	125	65	20	3.0	6.42	.818	2.02	32.3	49.7	.471	11.2	24.0	2.45	22.8	
125x75x20x2.0	125	75	20	2.0	4.71	.600	1.57	25.1	51.1	.476	9.95	28.2	.800	27.2	
125x75x20x2.5	125	75	20	2.5	5.82	.741	1.92	30.7	50.8	.575	12.0	27.9	1.54	27.1	
125x75x20x3.0	125	75	20	3.0	6.89	.878	2.24	35.9	50.6	.668	13.9	27.6	2.63	27.0	
127x50x15x1.6	127	50	15	1.6	3.08	.392	.978	15.4	49.9	.133	3.85	18.4	.335	15.4	
127x63x15x1.6	127	63	15	1.6	3.41	.434	1.14	18.0	51.3	.233	5.48	23.2	.370	20.5	
127x64x13x1.6	127	64	13	1.6	3.38	.431	1.14	17.9	51.4	.230	5.27	23.1	.367	20.3	
127x64x13x1.8	127	64	13	1.8	3.78	.482	1.27	20.0	51.3	.255	5.83	23.0	.520	20.3	
127x64x13x2.0	127	64	13	2.0	4.18	.532	1.39	21.9	51.2	.279	6.37	22.9	.710	20.2	
127x65x13x1.6	127	65	13	1.6	3.41	.434	1.15	18.1	51.5	.239	5.40	23.5	.370	20.7	
127x65x13x2.0	127	65	13	2.0	4.21	.536	1.41	22.2	51.3	.290	6.53	23.2	.715	20.6	
140x65x13x1.6	140	65	13	1.6	3.57	.455	1.44	20.5	56.3	.247	5.47	23.3	.388	19.8	
140x65x13x1.6	140	65	13	1.6	3.57	.455	1.44	20.5	56.3	.247	5.47	23.3	.388	19.8	
145x50x15x1.6	145	50	15	1.6	3.30	.421	1.33	18.4	56.3	.139	3.90	18.2	.359	14.4	
145x50x15x2.0	145	50	15	2.0	4.08	.520	1.63	22.5	56.0	.167	4.70	17.9	.694	14.4	
150x50x20x2.0	150	50	20	2.0	4.32	.550	1.83	24.5	57.7	.192	5.56	18.7	.734	15.4	
150x50x20x2.5	150	50	20	2.5	5.33	.679	2.23	29.8	57.4	.230	6.65	18.4	1.41	15.4	
150x50x20x3.0	150	50	20	3.0	6.30	.803	2.61	34.8	57.0	.264	7.62	18.1	2.41	15.3	
150x65x20x2.0	150	65	20	2.0	4.79	.610	2.16	28.8	59.5	.360	8.21	24.3	.814	21.1	
150x65x20x2.5	150	65	20	2.5	5.92	.754	2.64	35.2	59.2	.434	9.88	24.0	1.57	21.1	
150x65x20x3.0	150	65	20	3.0	7.01	.893	3.10	41.3	58.9	.502	11.4	23.7	2.68	21.0	
150x65x20x3.5	150	65	20	3.5	8.08	1.03	3.53	47.0	58.5	.564	12.8	23.4	4.20	21.0	
150x65x13x1.6	150	65	13	1.6	3.69	.471	1.69	22.5	59.8	.253	5.51	23.2	.402	19.1	
150x75x20x2.0	150	75	20	2.0	5.10	.650	2.38	31.8	60.5	.507	10.2	27.9	.867	25.2	
150x75x20x2.5	150	75	20	2.5	6.31	.804	2.91	38.8	60.2	.614	12.3	27.6	1.67	25.1	
150x75x20x3.0	150	75	20	3.0	7.48	.953	3.42	45.6	59.9	.713	14.3	27.3	2.86	25.0	
150x75x20x3.5	150	75	20	3.5	8.63	1.10	3.90	52.0	59.6	.804	16.1	27.0	4.49	25.0	
150x75x15x2	150	75	15	2	4.95	.630	2.32	30.9	60.6	.458	8.92	27.0	.840	23.6	
150x75x15x2.5	150	75	15	2.5	6.11	.779	2.83	37.7	60.3	.553	10.7	26.6	1.62	23.5	
150x75x15x3	150	75	15	3	7.25	.923	3.32	44.3	60.0	.640	12.4	26.3	2.77	23.5	
150x75x15x4	150	75	15	4	9.43	1.20	4.23	56.3	59.3	.792	15.3	25.7	6.41	23.3	
150x56x15x1.6	150	56	15	1.6	3.52	.448	1.55	20.7	58.8	.185	4.66	20.3	.382	16.3	
150x56x15x1.8	150	56	15	1.8	3.94	.502	1.73	23.0	58.7	.204	5.15	20.2	.542	16.3	
150x56x15x2.0	150	56	15	2.0	4.35	.554	1.90	25.3	58.5	.223	5.62	20.1	.739	16.3	

165x63x15x1.6	165	63	15	1.6	3.88	.495	2.09	25.3	65.0	.254	5.65	22.6	.422	18.1	
165x63x15x2.0	165	63	15	2.0	4.81	.612	2.56	31.1	64.7	.307	6.83	22.4	.816	18.0	
165x64x13x1.6	165	64	13	1.6	3.86	.491	2.08	25.2	65.0	.251	5.43	22.6	.419	17.9	

165x64x13x1.8	165	64	13	1.8	4.32	.550	2.32	28.1	64.9	.277	6.01	22.5	.594	17.9	
165x64x13x2.0	165	64	13	2.0	4.77	.608	2.55	30.9	64.8	.303	6.57	22.3	.811	17.8	
165x65x13x1.6	165	65	13	1.6	3.88	.495	2.10	25.5	65.2	.260	5.57	22.9	.422	18.2	
165x65x13x2.0	165	65	13	2.0	4.81	.612	2.58	31.2	64.9	.315	6.74	22.7	.816	18.2	
170x56x15x1.6	170	56	15	1.6	3.77	.480	2.08	24.5	65.8	.192	4.72	20.0	.410	15.3	
170x56x15x1.8	170	56	15	1.8	4.22	.538	2.32	27.3	65.6	.212	5.22	19.9	.581	15.3	
170x56x15x2.0	170	56	15	2.0	4.66	.594	2.55	30.0	65.5	.232	5.69	19.8	.792	15.3	
175x50x20x2.0	175	50	20	2.0	4.71	.600	2.65	30.3	66.4	.202	5.64	18.3	.800	14.2	
175x50x20x2.5	175	50	20	2.5	5.82	.741	3.23	36.9	66.0	.242	6.75	18.1	1.54	14.2	
175x50x20x3.0	175	50	20	3.0	6.89	.878	3.78	43.2	65.6	.277	7.74	17.8	2.63	14.2	
175x50x20x3.5	175	50	20	3.5	7.94	1.01	4.30	49.2	65.2	.309	8.63	17.5	4.13	14.1	
175x65x20x2.0	175	65	20	2.0	5.18	.660	3.10	35.4	68.5	.379	8.34	23.9	.880	19.6	
175x65x20x2.5	175	65	20	2.5	6.41	.816	3.79	43.3	68.1	.457	10.1	23.7	1.70	19.6	
175x65x20x3.0	175	65	20	3.0	7.60	.968	4.45	50.8	67.8	.528	11.6	23.4	2.90	19.5	
175x65x20x3.5	175	65	20	3.5	8.76	1.12	5.08	58.0	67.4	.594	13.0	23.1	4.56	19.5	
175x65x20x4.5	175	65	20	4.5	11.0	1.40	6.24	71.3	66.7	.707	15.5	22.5	9.46	19.4	
175x75x20x2.5	175	75	20	2.5	6.80	.866	4.16	47.6	69.3	.647	12.5	27.3	1.80	23.4	
175x75x20x3.0	175	75	20	3.0	8.07	1.03	4.89	55.9	69.0	.751	14.5	27.0	3.08	23.3	
175x75x20x3.5	175	75	20	3.5	9.31	1.19	5.59	63.9	68.6	.848	16.4	26.7	4.84	23.3	
175x75x20x4.5	175	75	20	4.5	11.7	1.49	6.89	78.7	68.0	1.02	19.6	26.1	10.1	23.1	
180x65x13x1.6	180	65	13	1.6	4.07	.519	2.57	28.6	70.4	.267	5.62	22.7	.443	17.4	
180x65x13x2.0	180	65	13	2.0	5.04	.642	3.16	35.1	70.1	.324	6.80	22.5	.856	17.4	
200x64x13x1.6	200	64	13	1.6	4.30	.547	3.26	32.6	77.1	.265	5.54	22.0	.467	16.1	
200x64x13x1.8	200	64	13	1.8	4.81	.613	3.63	36.3	77.0	.294	6.13	21.9	.662	16.1	
200x64x13x2.0	200	64	13	2.0	5.32	.678	4.00	40.0	76.8	.321	6.70	21.8	.904	16.1	
200x65x13x1.6	200	65	13	1.6	4.32	.551	3.29	32.9	77.3	.276	5.68	22.4	.470	16.5	
200x65x13x2.0	200	65	13	2.0	5.36	.682	4.04	40.4	77.0	.334	6.88	22.1	.910	16.4	
200x75x20x2.5	200	75	20	2.5	7.29	.929	5.68	56.8	78.2	.676	12.7	27.0	1.93	21.9	
200x75x20x3.0	200	75	20	3.0	8.66	1.10	6.69	66.9	77.9	.785	14.8	26.7	3.31	21.8	
200x75x20x3.5	200	75	20	3.5	10.0	1.27	7.65	76.5	77.5	.886	16.6	26.4	5.20	21.8	
200x75x20x4.5	200	75	20	4.5	12.6	1.60	9.45	94.5	76.8	1.06	19.9	25.7	10.8	21.7	
200x75x15x2	200	75	15	2	5.73	.730	4.49	44.9	78.5	.502	9.22	26.2	.974	20.5	
200x75x15x2.5	200	75	15	2.5	7.09	.904	5.51	55.1	78.1	.606	11.1	25.9	1.88	20.4	
200x75x15x3	200	75	15	3	8.42	1.07	6.48	64.8	77.7	.702	12.9	25.6	3.22	20.4	
200x75x15x4	200	75	15	4	11.0	1.40	8.30	83.0	77.0	.870	15.9	24.9	7.47	20.3	
203x63x15x1.6	203	63	15	1.6	4.36	.555	3.39	33.4	78.1	.270	5.77	22.0	.474	16.2	
203x63x15x2.0	203	63	15	2.0	5.40	.688	4.17	41.1	77.8	.327	6.98	21.8	.918	16.2	
205x66x15x1.6	205	66	15	1.6	4.46	.568	3.57	34.8	79.3	.303	6.21	23.1	.485	17.1	
205x66x15x1.8	205	66	15	1.8	5.00	.637	3.98	38.9	79.1	.336	6.88	23.0	.687	17.1	
205x66x15x2.0	205	66	15	2.0	5.53	.704	4.39	42.8	79.0	.368	7.53	22.9	.939	17.1	
205x66x15x2.4	205	66	15	2.4	6.58	.838	5.18	50.6	78.6	.428	8.75	22.6	1.61	17.1	
220x64x13x1.6	220	64	13	1.6	4.55	.579	4.08	37.1	83.9	.272	5.59	21.7	.494	15.3	
220x64x13x1.8	220	64	13	1.8	5.10	.649	4.55	41.4	83.8	.302	6.19	21.6	.701	15.3	
220x64x13x2.0	220	64	13	2.0	5.64	.718	5.02	45.6	83.6	.330	6.76	21.4	.958	15.3	
225x50x20x2.5	225	50	20	2.5	6.80	.866	5.94	52.8	82.8	.260	6.89	17.3	1.80	12.3	
225x50x20x3.0	225	50	20	3.0	8.07	1.03	6.98	62.0	82.4	.298	7.91	17.0	3.08	12.3	
225x50x20x3.5	225	50	20	3.5	9.31	1.19	7.96	70.8	81.9	.332	8.82	16.7	4.84	12.3	
225x75x20x2.5	225	75	20	2.5	7.78	.991	7.49	66.6	86.9	.701	12.9	26.6	2.06	20.6	
225x75x20x3.0	225	75	20	3.0	9.25	1.18	8.83	78.4	86.6	.814	14.9	26.3	3.53	20.5	
225x75x20x3.5	225	75	20	3.5	10.7	1.36	10.1	89.9	86.2	.918	16.9	26.0	5.56	20.5	
225x75x20x4.5	225	75	20	4.5	13.5	1.72	12.5	111	85.4	1.10	20.2	25.3	11.6	20.4	
230x66x15x1.8	230	66	15	1.8	5.35	.682	5.23	45.5	87.6	.347	6.95	22.6	.736	16.0	
230x66x15x2.0	230	66	15	2.0	5.92	.754	5.76	50.1	87.4	.380	7.61	22.5	1.01	16.0	
230x66x15x2.4	230	66	15	2.4	7.05	.898	6.81	59.2	87.1	.442	8.85	22.2	1.72	16.0	
230x70x20x3.0	230	70	20	3.0	9.13	1.16	8.91	77.5	87.5	.690	13.4	24.4	3.49	18.6	

250x75x20x2.5	250	75	20	2.5	8.27	1.05	9.61	76.9	95.5	.723	13.0	26.2	2.19	19.4	
250x75x20x3.0	250	75	20	3.0	9.84	1.25	11.3	90.7	95.1	.839	15.1	25.9	3.76	19.4	
250x75x20x3.5	250	75	20	3.5	11.4	1.45	13.0	104	94.7	.947	17.0	25.6	5.92	19.4	
250x75x20x4.5	250	75	20	4.5	14.4	1.83	16.1	129	93.9	1.14	20.4	24.9	12.3	19.3	
276x63x20x3.0	276	63	20	3.0	9.88	1.26	13.0	94.3	102	.558	11.5	21.1	3.78	14.6	
300x70x20x3.0	300	70	20	3.0	10.8	1.37	16.9	113	111	.742	13.7	23.3	4.12	16.0	