

**Proposed Product Range of Fabricated Beam and Column Sections**

Color coding	Fast Movers	Represents that this SKU will be made available in replenishment mode, shorter lead times of <15 days	No of SKUs	22
	Non Fast movers	Represents that this SKU will be made available "Made to Order" basis , lead time of 30 days to 45 days	No of SKUs	38

**Universal beams (UB) or Narrow Parallel flange Beam (NPB) sections or I-sections**

Section Size	Designation	Total Depth, h	depth of web	width of flange, b	Web thickness (t <sub>w</sub> )	Flange thickness t <sub>f</sub>	Section weight	Area of cross section	Moment of inertia in Major axis I <sub>x</sub>	Section modulus in Major axis Z <sub>x</sub>	Radius of Gyration in major axis	Moment of inertia in minor axis, I <sub>y</sub>	Section modulus in minor axis, Z <sub>y</sub>	Radius of Gyration in minor axis, r <sub>y</sub>
305 x 165	305x165x40	305	285	165	6	10	39.3	5.0	83	547	129	7	91	39
	305x165x46	309	285	165	7	12	46.7	6.0	101	653	130	9	109	39
	305x165x54	313	285	165	8	14	54.2	6.9	119	759	131	10	127	39
356 x 171	356x171x45	355	335	170	7	10	45.1	5.7	123	694	146	8	96	38
	356x171x51	359	335	170	7	12	50.4	6.4	145	807	150	10	116	39
	356x171x56	361	335	170	8	13	55.7	7.1	159	881	150	11	125	39
	356x171x66	367	335	170	9	16	66.4	8.5	196	1067	152	13	154	39
406 x 178	406x178x55	402	380	180	8	11	55.0	7.0	188	935	164	11	119	39
	406x178x61	406	380	180	8	13	60.6	7.7	217	1071	168	13	141	40
	406x178x66	408	380	180	9	14	66.4	8.5	237	1161	167	14	151	40
	406x178x75	412	380	180	10	16	75.0	9.6	272	1319	169	16	173	40
457 x 191	457x191x66	456	430	190	8	13	65.8	8.4	295	1296	188	15	157	42
	457x191x75	460	430	190	9	15	75.1	9.6	342	1486	189	17	181	42
	457x191x82	462	430	190	10	16	81.5	10.4	369	1596	188	18	193	42
	457x191x91	466	430	190	11	18	90.8	11.6	416	1786	190	21	217	42
533 x 210	457x191x97	470	430	190	11	20	96.8	12.3	458	1948	193	23	241	43
	533x210x83	531	505	210	10	13	82.5	10.5	474	1784	212	20	192	44
	533x210x92	537	505	210	10	16	92.4	11.8	563	2098	219	25	236	46
	533x210x103	541	505	210	11	18	103.0	13.1	635	2348	220	28	265	46
610 x 229	533x210x113	545	505	210	12	20	113.5	14.5	708	2597	221	31	295	46
	533x210x120	549	505	210	12	22	120.1	15.3	771	2807	224	34	324	47
	610x229x100	605	575	230	10	15	99.3	12.7	759	2509	245	30	265	49
	610x229x112	607	575	230	12	16	111.9	14.3	833	2744	242	33	283	48
700 x 250	610x229x126	615	575	230	12	20	126.4	16.1	1005	3267	250	41	353	50
	610x229x138	619	575	230	13	22	138.1	17.6	1108	3580	251	45	389	50
	700x250x110	697	665	250	9	16	109.8	14.0	1148	3295	287	42	334	55
	700x250x125	697	665	250	12	16	125.4	16.0	1222	3506	276	42	334	51
	700x250x141	705	665	250	12	20	141.1	18.0	1467	4163	286	52	417	54
800 x 300	700x250x149	709	665	250	12	22	149.0	19.0	1592	4491	290	57	459	55
	700x250x167	713	665	250	14	24	167.3	21.3	1768	4958	288	63	501	54
	800x300x166	771	735	300	14	18	165.6	21.1	1994	5173	308	81	541	62
	800x300x218	791	735	300	15	28	218.4	27.8	2942	7438	325	126	841	67
	800x300x255	799	735	300	18	32	254.6	32.4	3420	8561	325	144	962	67
900 x 300	800x300x310	815	735	300	21	40	309.6	39.4	4300	10552	330	181	1204	68
	900x300x192	870	830	300	15	20	191.9	24.5	2882	6626	343	90	602	61
	900x300x255	890	830	300	16	30	245.5	31.3	4091	9194	362	135	902	66
900 x 300	900x300x289	902	830	300	18	36	286.8	36.5	4908	10883	367	162	1083	67

**Universal columns (UC) or Wide Parallel flange (WPB)-sections or H - Sections**

Section Size	Designation	Total Depth, h	depth of web	width of flange, b	Web thickness (t <sub>w</sub> )	Flange thickness t <sub>f</sub>	Section weight	Area of cross section	Moment of inertia in Major axis I <sub>x</sub>	Section modulus in Major axis Z <sub>x</sub>	Radius of Gyration in major axis	Moment of inertia in minor axis, I <sub>y</sub>	Section modulus in minor axis, Z <sub>y</sub>	Radius of Gyration in minor axis, r <sub>y</sub>
254 x 254	254x254x72	253	225	255	9	14	71.9	9.2	111	874	109.8	38.70	303.6	64.98
	254x254x92	261	225	255	11	18	91.5	11.7	146	1119	112.0	49.77	390.3	65.35
	254x254x103	265	225	255	13	20	103.0	13.1	166	1250	112.3	55.31	433.8	64.92
	254x254x128	275	225	255	16	25	128.3	16.4	215	1562	114.6	69.17	542.5	65.04
	254x254x163	289	225	255	20	32	163.4	20.8	289	2001	117.9	88.58	694.8	65.23
305 x 305	305x305x100	312	280	310	10	16	99.9	12.7	236	1511	136.1	79.47	512.7	79.04
	305x305x121	320	280	310	11	20	121.5	15.5	299	1871	139.0	99.33	640.9	80.11
	305x305x138	324	280	310	14	22	137.8	17.6	337	2079	138.5	109.30	705.1	78.89
	305x305x157	330	280	310	16	25	156.8	20.0	390	2364	139.7	124.22	801.4	78.85
356 x 368	356x368x118	352	320	370	10	16	118.1	15.0	362	2054	155.0	135.10	730.3	94.78
	356x368x158	364	320	370	12	22	157.9	20.1	509	2797	159.1	185.77	1004.2	96.09
	356x368x177	368	320	370	15	24	177.1	22.6	567	3080	158.5	202.70	1095.7	94.79
	356x368x208	376	320	370	18	28	207.9	26.5	677	3601	159.9	236.54	1278.6	94.51
400 x 400	400x400x129	402	370	400	10	16	129.5	16.5	519	2583	177.4	170.70	853.5	101.71
	400x400x148	406	370	400	12	18	147.9	18.8	593	2920	177.4	192.05	960.3	100.96
450 x 450	450x450x132	448	420	450	10	14	131.9	16.8	655	2925	197.5	212.66	945.2	112.51
	450x450x188	460	420	450	14	20	187.5	23.9	958	4164	200.3	303.85	1350.4	112.80
500 x 500	500x500x146	488	460	500	10	14	146.0	18.6	868	3555	216.0	291.71	1166.8	125.23
	500x500x208	500	460	500	14	20	207.6	26.4	1266	5063	218.8	416.77	1667.1	125.55
550 x 550	550x550x178	542	510	550	10	16	178.2	22.7	1328	4900	241.9	443.71	1613.5	139.81
	550x550x254	554	510	550	16	22	254.0	32.4	1889	6821	241.6	610.22	2219.0	137.32
600 x 600	600x600x195	592	560	600	10	16	194.7	24.8	1739	5875	264.8	576.05	1920.2	152.41
	600x600x277	604	560	600	16	22	277.6	35.4	2470	8179	264.3	792.19	2640.6	149.68