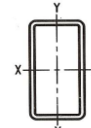
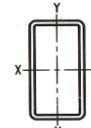


AISC_Manual_Label Rectangular Hollow Structural Section Sizes & Properties



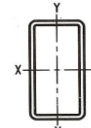
HSS sections	W(lbs)	A(in ²)	Ix(in ⁴)	Zx(in ³)	Sx (in ³)	rx(in)	Iy(in ⁴)	Zy(in ³)	Sy(in ⁴)	ry(in)
HSS30X24X1/2*	178.16	52.4	7110	555	474	11.7	5070	477	422	9.84
HSS30X24X3/8*	134.67	39.6	5430	422	362	11.7	3870	363	323	9.89
HSS30X24X5/16*	112.66	33.1	4570	354	305	11.7	3260	304	272	9.92
HSS28X24X1/2*	171.35	50.4	6050	503	432	11	4790	454	399	9.75
HSS28X24X3/8*	129.56	38.1	4630	383	331	11	3660	345	305	9.81
HSS28X24X5/16*	108.41	31.9	3890	321	278	11.1	3080	290	257	9.84
HSS26X24X1/2*	164.55	48.4	5100	454	392	10.3	4510	430	376	9.66
HSS26X24X3/8*	124.46	36.6	3900	345	300	10.3	3460	327	288	9.72
HSS26X24X5/16*	104.15	30.6	3280	290	253	10.4	2910	275	242	9.75
HSS24X22X1/2*	150.93	44.4	3960	383	330	9.45	3470	361	315	8.84
HSS24X22X3/8*	114.25	33.6	3040	292	253	9.51	2660	275	242	8.9
HSS24X22X5/16*	95.64	28.1	2560	245	213	9.54	2240	231	204	8.93
HSS22X20X1/2*	137.32	40.4	3010	318	273	8.63	2600	298	260	8.03
HSS22X20X3/8*	104.04	30.6	2310	243	210	8.69	2000	228	200	8.09
HSS22X20X5/16*	87.14	25.6	1950	204	177	8.72	1690	192	169	8.12
HSS20X18X1/2*	123.71	36.4	2220	259	222	7.81	1890	242	210	7.21
HSS20X18X3/8*	93.83	27.6	1710	198	171	7.88	1460	185	162	7.27
HSS20X18X5/16*	78.63	23.1	1440	167	144	7.91	1230	155	137	7.3
HSS20X12X5/8	127.00	35.0	1880	230	188	7.33	851	162	142	4.93
HSS20X12X1/2	103.00	28.3	1550	188	155	7.39	705	132	117	4.99
HSS20X12X3/8	78.45	21.5	1200	144	120	7.45	547	102	91.1	5.04
HSS20X12X5/16	65.82	18.1	1010	122	101	7.48	464	85.8	77.3	5.07
HSS20X8X5/8	110.00	30.3	1440	185	144	6.89	338	96.4	84.6	3.34
HSS20X8X1/2	89.55	24.6	1190	152	119	6.96	283	79.5	70.8	3.39
HSS20X8X3/8	68.29	18.7	926	117	92.6	7.03	222	61.5	55.6	3.44
HSS20X8X5/16	57.31	15.7	786	98.6	78.6	7.07	189	52.0	47.4	3.47
HSS20X4X1/2	75.94	20.9	838	115	83.8	6.33	58.7	34.0	29.3	1.68
HSS20X4X3/8	58.07	16.0	657	89.3	65.7	6.42	47.6	26.8	23.8	1.73
HSS20X4X5/16	48.87	13.4	560	75.6	56.0	6.46	41.2	22.9	20.6	1.75
HSS20X4X1/4	39.48	10.8	458	61.5	45.8	6.50	34.3	18.7	17.1	1.78
HSS18X12X1/2*	96.49	28.4	1280	172.0	142.0	6.71	684.0	130.0	114.0	4.91
HSS18X12X3/8*	73.42	21.6	991	132.0	110.0	6.78	533.0	100.0	88.8	4.97
HSS18X12X5/16*	61.62	18.1	840	111.0	93.3	6.81	452.0	84.5	75.3	5.00
HSS18X6X5/8	93.10	25.7	923	135	103	6.00	158	61.0	52.7	2.48
HSS18X6X1/2	75.94	20.9	770	112	85.6	6.07	134	50.7	44.6	2.53
HSS18X6X3/8	58.07	16.0	602	86.4	66.9	6.15	106	39.5	35.5	2.58
HSS18X6X5/16	48.87	13.4	513	73.1	57.0	6.18	91.3	33.5	30.4	2.61
HSS18X6X1/4	39.48	10.8	419	59.4	46.5	6.22	75.1	27.3	25.0	2.63
HSS16X12X5/8	110.00	30.3	1090	165	136	6.00	700	135	117	4.80
HSS16X12X1/2	89.55	24.6	904	135	113	6.06	581	111	96.8	4.86
HSS16X12X3/8	68.29	18.7	702	104	87.7	6.12	452	85.5	75.3	4.91
HSS16X12X5/16	57.38	15.7	595	87.7	74.4	6.15	384	72.2	64.0	4.94
HSS16X8X5/8	93.10	25.7	815	129	102	5.64	274	79.2	68.6	3.27
HSS16X8X1/2	75.94	20.9	679	106	84.9	5.70	230	65.5	57.6	3.32
HSS16X8X3/8	58.07	16.0	531	82.1	66.3	5.77	181	50.8	45.3	3.37
HSS16X8X5/16	48.87	13.4	451	69.4	56.4	5.80	155	43.0	38.7	3.40
HSS16X8X1/4	39.48	10.8	368	56.4	46.1	5.83	127	35.0	31.7	3.42
HSS16X4X5/8	76.09	21.0	539	92.9	67.3	5.06	54.1	32.5	27.0	1.60
HSS16X4X1/2	62.33	17.2	455	77.3	56.9	5.15	47.0	27.4	23.5	1.65
HSS16X4X3/8	47.86	13.2	360	60.2	45.0	5.23	38.3	21.7	19.1	1.71
HSS16X4X5/16	40.35	11.1	308	51.1	38.5	5.27	33.2	18.5	16.6	1.73
HSS16X4X1/4	32.66	8.96	253	41.7	31.6	5.31	27.7	15.2	13.8	1.76
HSS16X4X3/16	24.66	6.76	193	31.7	24.2	5.35	21.5	11.7	10.8	1.78
HSS14X10X5/8	93.10	25.7	687	120	98.2	5.17	407	95.1	81.5	3.98
HSS14X10X1/2	75.94	20.9	573	98.8	81.8	5.23	341	78.5	68.1	4.04
HSS14X10X3/8	58.07	16.0	447	76.3	63.9	5.29	267	60.7	53.4	4.09
HSS14X10X5/16	48.87	13.4	380	64.6	54.3	5.32	227	51.4	45.5	4.12

AISC_Manual_Label Rectangular Hollow Structural Section Sizes & Properties



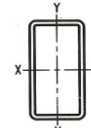
HSS sections	W(lbs)	A(in ²)	Ix(in ⁴)	Zx(in ³)	Sx(in ³)	rx(in)	Iy(in ⁴)	Zy(in ³)	Sy(in ⁴)	ry(in)
HSS14X10X1/4	39.48	10.8	310	52.4	44.3	5.35	186	41.8	37.2	4.14
HSS14X6X5/8	76.09	21.0	478	88.7	68.3	4.77	124	48.4	41.2	2.43
HSS14X6X1/2	62.33	17.2	402	73.6	57.4	4.84	105	40.4	35.1	2.48
HSS14X6X3/8	47.86	13.2	317	57.3	45.3	4.91	84.1	31.6	28.0	2.53
HSS14X6X5/16	40.35	11.1	271	48.6	38.7	4.94	72.3	26.9	24.1	2.55
HSS14X6X1/4	32.66	8.96	222	39.6	31.7	4.98	59.6	22.0	19.9	2.58
HSS14X6X3/16	24.66	6.76	170	30.1	24.3	5.01	45.9	16.7	15.3	2.61
HSS14X4X5/8	67.59	18.7	373	73.1	53.3	4.47	47.2	28.5	23.6	1.59
HSS14X4X1/2	55.53	15.3	317	61.0	45.3	4.55	41.2	24.1	20.6	1.64
HSS14X4X3/8	42.75	11.8	252	47.8	36.0	4.63	33.6	19.1	16.8	1.69
HSS14X4X5/16	36.09	9.92	216	40.6	30.9	4.67	29.2	16.4	14.6	1.72
HSS14X4X1/4	29.25	8.03	178	33.2	25.4	4.71	24.4	13.5	12.2	1.74
HSS14X4X3/16	22.12	6.06	137	25.3	19.5	4.74	19.0	10.3	9.48	1.77
HSS12X10X1/2	69.14	19.0	395	78.8	65.9	4.56	298	69.6	59.7	3.96
HSS12X10X3/8	52.93	14.6	310	61.1	51.6	4.61	234	54.0	46.9	4.01
HSS12X10X5/16	44.62	12.2	264	51.7	44.0	4.64	200	45.7	40.0	4.04
HSS12X10X1/4	36.00	9.90	216	42.1	36.0	4.67	164	37.2	32.7	4.07
HSS12X8X5/8	76.13	21.0	397	82.1	66.1	4.34	210	61.9	52.5	3.16
HSS12X8X1/2	62.33	17.2	333	68.1	55.6	4.41	178	51.5	44.4	3.21
HSS12X8X3/8	47.82	13.2	262	53.0	43.7	4.47	140	40.1	35.1	3.27
HSS12X8X5/16	40.36	11.1	224	44.9	37.4	4.50	120	34.1	30.1	3.29
HSS12X8X1/4	32.60	8.96	184	36.6	30.6	4.53	98.8	27.8	24.7	3.32
HSS12X8X3/16	24.78	6.76	140	27.8	23.4	4.56	75.7	21.1	18.9	3.35
HSS12X6X5/8	67.62	18.7	321	68.8	53.4	4.14	107	42.1	35.5	2.39
HSS12X6X1/2	55.53	15.3	271	57.4	45.2	4.21	91.1	35.2	30.4	2.44
HSS12X6X3/8	42.72	11.8	215	44.8	35.9	4.28	72.9	27.7	24.3	2.49
HSS12X6X5/16	36.10	9.92	184	38.1	30.7	4.31	62.8	23.6	20.9	2.52
HSS12X6X1/4	29.19	8.03	151	31.1	25.2	4.34	51.9	19.3	17.3	2.54
HSS12X6X3/16	22.22	6.06	116	23.7	19.4	4.38	40.0	14.7	13.3	2.57
HSS12X4X5/8	59.11	16.4	245	55.5	40.8	3.87	40.4	24.5	20.2	1.57
HSS12X4X1/2	48.72	13.5	210	46.7	34.9	3.95	35.3	20.9	17.7	1.62
HSS12X4X3/8	37.61	10.4	168	36.7	28.0	4.02	28.9	16.6	14.5	1.67
HSS12X4X5/16	31.84	8.76	144	31.3	24.1	4.06	25.2	14.2	12.6	1.70
HSS12X4X1/4	25.79	7.10	119	25.6	19.9	4.10	21.0	11.7	10.5	1.72
HSS12X4X3/16	19.66	5.37	91.8	19.6	15.3	4.13	16.4	9.00	8.20	1.75
HSS12X3-1/2X3/8	36.34	10.0	156	34.7	26.0	3.94	21.3	14.0	12.2	1.46
HSS12X3-1/2X5/16	30.77	8.46	134	29.6	22.4	3.98	18.6	12.1	10.6	1.48
HSS12X3X5/16	29.71	8.17	124	27.9	20.7	3.90	13.1	10.0	8.73	1.27
HSS12X3X1/4	24.09	6.63	103	22.9	17.2	3.94	11.1	8.28	7.38	1.29
HSS12X3X3/16	18.38	5.02	79.6	17.5	13.3	3.98	8.72	6.40	5.81	1.32
HSS12X2X5/16	27.58	7.59	104	24.5	17.4	3.71	5.10	6.05	5.10	0.820
HSS12X2X1/4	22.39	6.17	86.9	20.1	14.5	3.75	4.41	5.08	4.41	0.845
HSS12X2X3/16	17.10	4.67	67.4	15.5	11.2	3.80	3.55	3.97	3.55	0.872
HSS10X8X5/8	67.62	18.7	253	62.2	50.5	3.68	178	53.3	44.5	3.09
HSS10X8X1/2	55.53	15.3	214	51.9	42.7	3.73	151	44.5	37.8	3.14
HSS10X8X3/8	42.72	11.8	169	40.5	33.9	3.79	120	34.8	30.0	3.19
HSS10X8X5/16	36.10	9.92	145	34.4	29.0	3.82	103	29.6	25.7	3.22
HSS10X8X1/4	29.19	8.03	119	28.1	23.8	3.85	84.7	24.2	21.2	3.25
HSS10X8X3/16	22.22	6.06	91.4	21.4	18.3	3.88	65.1	18.4	16.3	3.28
HSS10X6X5/8	59.11	16.4	201	51.3	40.2	3.50	89.4	35.8	29.8	2.34
HSS10X6X1/2	48.72	13.5	171	43.0	34.3	3.57	76.8	30.1	25.6	2.39
HSS10X6X3/8	37.61	10.4	137	33.8	27.4	3.63	61.8	23.7	20.6	2.44
HSS10X6X5/16	31.84	8.76	118	28.8	23.5	3.66	53.3	20.2	17.8	2.47
HSS10X6X1/4	25.79	7.10	96.9	23.6	19.4	3.69	44.1	16.6	14.7	2.49
HSS10X6X3/16	19.66	5.37	74.6	18.0	14.9	3.73	34.1	12.7	11.4	2.52
HSS10X5X3/8	35.06	9.67	120	30.4	24.1	3.53	40.6	18.7	16.2	2.05
HSS10X5X5/16	29.71	8.17	104	26.0	20.8	3.56	35.2	16.0	14.1	2.07

AISC_Manual_Label Rectangular Hollow Structural Section Sizes & Properties



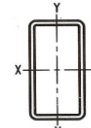
HSS sections	W(lbs)	A(in ²)	Ix(in ⁴)	Zx(in ³)	Sx(in ³)	rx(in)	Iy(in ⁴)	Zy(in ³)	Sy(in ⁴)	ry(in)
HSS10X5X1/4	24.09	6.63	85.8	21.3	17.2	3.60	29.3	13.2	11.7	2.10
HSS10X5X3/16	18.38	5.02	66.2	16.3	13.2	3.63	22.7	10.1	9.09	2.13
HSS10X4X5/8	50.60	14.0	149	40.3	29.9	3.26	33.5	20.6	16.8	1.54
HSS10X4X1/2	41.91	11.6	129	34.1	25.8	3.34	29.5	17.6	14.7	1.59
HSS10X4X3/8	32.51	8.97	104	27.0	20.8	3.41	24.3	14.0	12.1	1.64
HSS10X4X5/16	27.58	7.59	90.1	23.1	18.0	3.44	21.2	12.1	10.6	1.67
HSS10X4X1/4	22.39	6.17	74.7	19.0	14.9	3.48	17.7	10.0	8.87	1.70
HSS10X4X3/16	17.10	4.67	57.8	14.6	11.6	3.52	13.9	7.66	6.93	1.72
HSS10X4X1/8	11.55	3.16	39.8	10.0	7.97	3.55	9.65	5.26	4.83	1.75
HSS10X3-1/2X1/2	40.21	11.1	118	31.9	23.7	3.26	21.4	14.7	12.2	1.39
HSS10X3-1/2X3/8	31.23	8.62	96.1	25.3	19.2	3.34	17.8	11.8	10.2	1.44
HSS10X3-1/2X5/16	26.51	7.30	83.2	21.7	16.6	3.38	15.6	10.2	8.92	1.46
HSS10X3-1/2X1/4	21.54	5.93	69.1	17.9	13.8	3.41	13.1	8.45	7.51	1.49
HSS10X3-1/2X3/16	16.46	4.50	53.6	13.7	10.7	3.45	10.3	6.52	5.89	1.51
HSS10X3-1/2X1/8	11.13	3.04	37.0	9.37	7.40	3.49	7.22	4.48	4.12	1.54
HSS10X3X3/8	29.96	8.27	88.0	23.7	17.6	3.26	12.4	9.73	8.28	1.22
HSS10X3X5/16	25.45	7.01	76.3	20.3	15.3	3.30	11.0	8.42	7.30	1.25
HSS10X3X1/4	20.69	5.70	63.6	16.7	12.7	3.34	9.28	6.99	6.19	1.28
HSS10X3X3/16	15.82	4.32	49.4	12.8	9.87	3.38	7.33	5.41	4.89	1.30
HSS10X3X1/8	10.70	2.93	34.2	8.80	6.83	3.42	5.16	3.74	3.44	1.33
HSS10X2X3/8	27.41	7.58	71.7	20.3	14.3	3.08	4.70	5.76	4.70	0.787
HSS10X2X5/16	23.32	6.43	62.6	17.5	12.5	3.12	4.24	5.06	4.24	0.812
HSS10X2X1/4	18.99	5.24	52.5	14.4	10.5	3.17	3.67	4.26	3.67	0.838
HSS10X2X3/16	14.54	3.98	41.0	11.1	8.19	3.21	2.97	3.34	2.97	0.864
HSS10X2X1/8	9.85	2.70	28.5	7.65	5.70	3.25	2.14	2.33	2.14	0.890
HSS9X7X5/8	59.11	16.4	174	48.3	38.7	3.26	117	40.5	33.5	2.68
HSS9X7X1/2	48.72	13.5	149	40.5	33.0	3.32	100	34.0	28.7	2.73
HSS9X7X3/8	37.61	10.4	119	31.8	26.4	3.38	80.4	26.7	23.0	2.78
HSS9X7X5/16	31.84	8.76	102	27.1	22.6	3.41	69.2	22.8	19.8	2.81
HSS9X7X1/4	25.79	7.10	84.1	22.2	18.7	3.44	57.2	18.7	16.3	2.84
HSS9X7X3/16	19.66	5.37	64.7	16.9	14.4	3.47	44.1	14.3	12.6	2.87
HSS9X5X5/8	50.60	14.0	133	38.5	29.6	3.08	52.0	25.3	20.8	1.92
HSS9X5X1/2	41.91	11.6	115	32.5	25.5	3.14	45.2	21.5	18.1	1.97
HSS9X5X3/8	32.51	8.97	92.5	25.7	20.5	3.21	36.8	17.1	14.7	2.03
HSS9X5X5/16	27.58	7.59	79.8	22.0	17.7	3.24	32.0	14.6	12.8	2.05
HSS9X5X1/4	22.39	6.17	66.1	18.1	14.7	3.27	26.6	12.0	10.6	2.08
HSS9X5X3/16	17.10	4.67	51.1	13.8	11.4	3.31	20.7	9.25	8.28	2.10
HSS9X3X1/2	35.11	9.74	80.8	24.6	18.0	2.88	13.2	10.8	8.81	1.17
HSS9X3X3/8	27.41	7.58	66.3	19.7	14.7	2.96	11.2	8.80	7.45	1.21
HSS9X3X5/16	23.32	6.43	57.7	16.9	12.8	3.00	9.88	7.63	6.59	1.24
HSS9X3X1/4	18.99	5.24	48.2	14.0	10.7	3.04	8.38	6.35	5.59	1.27
HSS9X3X3/16	14.54	3.98	37.6	10.8	8.35	3.07	6.64	4.92	4.42	1.29
HSS8X6X5/8	50.60	14.0	114	36.1	28.5	2.85	72.3	29.5	24.1	2.27
HSS8X6X1/2	41.91	11.6	98.2	30.5	24.6	2.91	62.5	24.9	20.8	2.32
HSS8X6X3/8	32.51	8.97	79.1	24.1	19.8	2.97	50.6	19.8	16.9	2.38
HSS8X6X5/16	27.58	7.59	68.3	20.6	17.1	3.00	43.8	16.9	14.6	2.40
HSS8X6X1/4	22.39	6.17	56.6	16.9	14.2	3.03	36.4	13.9	12.1	2.43
HSS8X6X3/16	17.10	4.67	43.7	13.0	10.9	3.06	28.2	10.7	9.39	2.46
HSS8X4X5/8	42.10	11.7	82.0	27.4	20.5	2.64	26.6	16.6	13.3	1.51
HSS8X4X1/2	35.11	9.74	71.8	23.5	17.9	2.71	23.6	14.3	11.8	1.56
HSS8X4X3/8	27.41	7.58	58.7	18.8	14.7	2.78	19.6	11.5	9.80	1.61
HSS8X4X5/16	23.32	6.43	51.0	16.1	12.8	2.82	17.2	9.91	8.58	1.63
HSS8X4X1/4	18.99	5.24	42.5	13.3	10.6	2.85	14.4	8.20	7.21	1.66
HSS8X4X3/16	14.54	3.98	33.1	10.2	8.27	2.88	11.3	6.33	5.65	1.69
HSS8X4X1/8	9.85	2.70	22.9	7.02	5.73	2.92	7.90	4.36	3.95	1.71
HSS8X3X1/2	31.71	8.81	58.6	20.0	14.6	2.58	11.7	9.64	7.81	1.15
HSS8X3X3/8	24.85	6.88	48.5	16.1	12.1	2.65	10.0	7.88	6.63	1.20

AISC_Manual_Label Rectangular Hollow Structural Section Sizes & Properties



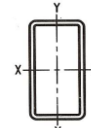
HSS sections	W(lbs)	A(in ²)	Ix(in ⁴)	Zx(in ³)	Sx (in ³)	rx(in)	Iy(in ⁴)	Zy(in ³)	Sy(in ⁴)	ry(in)
HSS8X3X5/16	21.19	5.85	42.4	13.9	10.6	2.69	8.81	6.84	5.87	1.23
HSS8X3X1/4	17.28	4.77	35.5	11.5	8.88	2.73	7.49	5.70	4.99	1.25
HSS8X3X3/16	13.26	3.63	27.8	8.87	6.94	2.77	5.94	4.43	3.96	1.28
HSS8X3X1/8	9.00	2.46	19.3	6.11	4.83	2.80	4.20	3.07	2.80	1.31
HSS8X2X3/8	22.30	6.18	38.2	13.4	9.56	2.49	3.73	4.61	3.73	0.777
HSS8X2X5/16	19.06	5.26	33.7	11.6	8.43	2.53	3.38	4.06	3.38	0.802
HSS8X2X1/4	15.58	4.30	28.5	9.68	7.12	2.57	2.94	3.43	2.94	0.827
HSS8X2X3/16	11.98	3.28	22.4	7.51	5.61	2.61	2.39	2.70	2.39	0.853
HSS8X2X1/8	8.15	2.23	15.7	5.19	3.93	2.65	1.72	1.90	1.72	0.879
HSS7X5X1/2	35.11	9.74	60.6	21.9	17.3	2.50	35.6	17.3	14.2	1.91
HSS7X5X3/8	27.41	7.58	49.5	17.5	14.1	2.56	29.3	13.8	11.7	1.97
HSS7X5X5/16	23.32	6.43	43.0	15.0	12.3	2.59	25.5	11.9	10.2	1.99
HSS7X5X1/4	18.99	5.24	35.9	12.4	10.2	2.62	21.3	9.83	8.53	2.02
HSS7X5X3/16	14.54	3.98	27.9	9.52	7.96	2.65	16.6	7.57	6.65	2.05
HSS7X5X1/8	9.85	2.70	19.3	6.53	5.52	2.68	11.6	5.20	4.63	2.07
HSS7X4X1/2	31.71	8.81	50.7	18.8	14.5	2.40	20.7	12.6	10.4	1.53
HSS7X4X3/8	24.85	6.88	41.8	15.1	11.9	2.46	17.3	10.2	8.63	1.58
HSS7X4X5/16	21.19	5.85	36.5	13.1	10.4	2.50	15.2	8.83	7.58	1.61
HSS7X4X1/4	17.28	4.77	30.5	10.8	8.72	2.53	12.8	7.33	6.38	1.64
HSS7X4X3/16	13.26	3.63	23.8	8.33	6.81	2.56	10.0	5.67	5.02	1.66
HSS7X4X1/8	9.00	2.46	16.6	5.73	4.73	2.59	7.03	3.91	3.51	1.69
HSS7X3X1/2	28.30	7.88	40.7	15.8	11.6	2.27	10.2	8.46	6.80	1.14
HSS7X3X3/8	22.30	6.18	34.1	12.8	9.73	2.35	8.71	6.95	5.81	1.19
HSS7X3X5/16	19.06	5.26	29.9	11.1	8.54	2.38	7.74	6.05	5.16	1.21
HSS7X3X1/4	15.58	4.30	25.2	9.22	7.19	2.42	6.60	5.06	4.40	1.24
HSS7X3X3/16	11.98	3.28	19.8	7.14	5.65	2.45	5.24	3.94	3.50	1.26
HSS7X3X1/8	8.15	2.23	13.8	4.93	3.95	2.49	3.71	2.73	2.48	1.29
HSS7X2X1/4	13.88	3.84	19.8	7.64	5.67	2.27	2.58	3.02	2.58	0.819
HSS7X2X3/16	10.70	2.93	15.7	5.95	4.49	2.31	2.10	2.39	2.10	0.845
HSS7X2X1/8	7.30	2.00	11.1	4.13	3.16	2.35	1.52	1.68	1.52	0.871
HSS6X5X1/2	31.71	8.81	41.1	17.2	13.7	2.16	30.8	15.2	12.3	1.87
HSS6X5X3/8	24.85	6.88	33.9	13.8	11.3	2.22	25.5	12.2	10.2	1.92
HSS6X5X5/16	21.19	5.85	29.6	11.9	9.85	2.25	22.3	10.5	8.91	1.95
HSS6X5X1/4	17.28	4.77	24.7	9.87	8.25	2.28	18.7	8.72	7.47	1.98
HSS6X5X3/16	13.26	3.63	19.3	7.62	6.44	2.31	14.6	6.73	5.84	2.01
HSS6X5X1/8	9.00	2.46	13.4	5.24	4.48	2.34	10.2	4.63	4.07	2.03
HSS6X4X1/2	28.30	7.88	34.0	14.6	11.3	2.08	17.8	11.0	8.89	1.50
HSS6X4X3/8	22.30	6.18	28.3	11.9	9.43	2.14	14.9	8.94	7.47	1.55
HSS6X4X5/16	19.06	5.26	24.8	10.3	8.27	2.17	13.2	7.75	6.58	1.58
HSS6X4X1/4	15.58	4.30	20.9	8.53	6.96	2.20	11.1	6.45	5.56	1.61
HSS6X4X3/16	11.98	3.28	16.4	6.60	5.46	2.23	8.76	5.00	4.38	1.63
HSS6X4X1/8	8.15	2.23	11.4	4.56	3.81	2.26	6.15	3.46	3.08	1.66
HSS6X3X1/2	24.90	6.95	26.8	12.1	8.95	1.97	8.69	7.28	5.79	1.12
HSS6X3X3/8	19.75	5.48	22.7	9.90	7.57	2.04	7.48	6.03	4.99	1.17
HSS6X3X5/16	16.93	4.68	20.1	8.61	6.69	2.07	6.67	5.27	4.45	1.19
HSS6X3X1/4	13.88	3.84	17.0	7.19	5.66	2.10	5.70	4.41	3.80	1.22
HSS6X3X3/16	10.70	2.93	13.4	5.59	4.47	2.14	4.55	3.45	3.03	1.25
HSS6X3X1/8	7.30	2.00	9.43	3.87	3.14	2.17	3.23	2.40	2.15	1.27
HSS6X2X3/8	17.20	4.78	17.1	7.93	5.71	1.89	2.77	3.46	2.77	0.760
HSS6X2X5/16	14.80	4.10	15.3	6.95	5.11	1.93	2.52	3.07	2.52	0.785
HSS6X2X1/4	12.18	3.37	13.1	5.84	4.37	1.97	2.21	2.61	2.21	0.810
HSS6X2X3/16	9.43	2.58	10.5	4.58	3.49	2.01	1.80	2.07	1.80	0.836
HSS6X2X1/8	6.45	1.77	7.42	3.19	2.47	2.05	1.31	1.46	1.31	0.861
HSS5X4X1/2	24.90	6.95	21.2	10.9	8.49	1.75	14.9	9.35	7.43	1.46
HSS5X4X3/8	19.75	5.48	17.9	8.96	7.17	1.81	12.6	7.67	6.30	1.52
HSS5X4X5/16	16.93	4.68	15.8	7.79	6.32	1.84	11.1	6.67	5.57	1.54
HSS5X4X1/4	13.88	3.84	13.4	6.49	5.35	1.87	9.46	5.57	4.73	1.57

AISC_Manual_Label Rectangular Hollow Structural Section Sizes & Properties



HSS sections	W(lbs)	A(in ²)	Ix(in ⁴)	Zx(in ³)	Sx (in ³)	rx(in)	Iy(in ⁴)	Zy(in ³)	Sy(in ⁴)	ry(in)
HSS5X4X3/16	10.70	2.93	10.6	5.05	4.22	1.90	7.48	4.34	3.74	1.60
HSS5X4X1/8	7.30	2.00	7.42	3.50	2.97	1.93	5.27	3.01	2.64	1.62
HSS5X3X1/2	21.50	6.02	16.4	8.83	6.57	1.65	7.18	6.10	4.78	1.09
HSS5X3X3/8	17.20	4.78	14.1	7.34	5.65	1.72	6.25	5.10	4.16	1.14
HSS5X3X5/16	14.80	4.10	12.6	6.42	5.03	1.75	5.60	4.48	3.73	1.17
HSS5X3X1/4	12.18	3.37	10.7	5.38	4.29	1.78	4.81	3.77	3.21	1.19
HSS5X3X3/16	9.43	2.58	8.53	4.21	3.41	1.82	3.85	2.96	2.57	1.22
HSS5X3X1/8	6.45	1.77	6.03	2.93	2.41	1.85	2.75	2.07	1.83	1.25
HSS5X2-1/2X1/4	11.33	3.14	9.40	4.83	3.76	1.73	3.13	2.95	2.50	0.999
HSS5X2-1/2X3/16	8.79	2.41	7.51	3.79	3.01	1.77	2.53	2.33	2.03	1.02
HSS5X2-1/2X1/8	6.02	1.65	5.34	2.65	2.14	1.80	1.82	1.64	1.46	1.05
HSS5X2X3/8	14.65	4.09	10.4	5.71	4.14	1.59	2.28	2.88	2.28	0.748
HSS5X2X5/16	12.67	3.52	9.35	5.05	3.74	1.63	2.10	2.57	2.10	0.772
HSS5X2X1/4	10.48	2.91	8.08	4.27	3.23	1.67	1.84	2.20	1.84	0.797
HSS5X2X3/16	8.15	2.24	6.50	3.37	2.60	1.70	1.51	1.75	1.51	0.823
HSS5X2X1/8	5.60	1.54	4.65	2.37	1.86	1.74	1.10	1.24	1.10	0.848
HSS4X3X3/8	14.65	4.09	7.93	5.12	3.97	1.39	5.01	4.18	3.34	1.11
HSS4X3X5/16	12.67	3.52	7.14	4.51	3.57	1.42	4.52	3.69	3.02	1.13
HSS4X3X1/4	10.48	2.91	6.15	3.81	3.07	1.45	3.91	3.12	2.61	1.16
HSS4X3X3/16	8.15	2.24	4.93	3.00	2.47	1.49	3.16	2.46	2.10	1.19
HSS4X3X1/8	5.60	1.54	3.52	2.11	1.76	1.52	2.27	1.73	1.51	1.21
HSS4X2-1/2X3/8	13.37	3.74	6.77	4.48	3.38	1.35	3.17	3.20	2.54	0.922
HSS4X2-1/2X5/16	11.60	3.23	6.13	3.97	3.07	1.38	2.89	2.85	2.32	0.947
HSS4X2-1/2X1/4	9.63	2.67	5.32	3.38	2.66	1.41	2.53	2.43	2.02	0.973
HSS4X2-1/2X3/16	7.51	2.06	4.30	2.67	2.15	1.44	2.06	1.93	1.65	0.999
HSS4X2-1/2X1/8	5.17	1.42	3.09	1.88	1.54	1.47	1.49	1.36	1.19	1.03
HSS4X2X3/8	12.09	3.39	5.60	3.84	2.80	1.29	1.80	2.31	1.80	0.729
HSS4X2X5/16	10.54	2.94	5.13	3.43	2.56	1.32	1.67	2.08	1.67	0.754
HSS4X2X1/4	8.78	2.44	4.49	2.94	2.25	1.36	1.48	1.79	1.48	0.779
HSS4X2X3/16	6.87	1.89	3.66	2.34	1.83	1.39	1.22	1.43	1.22	0.804
HSS4X2X1/8	4.75	1.30	2.65	1.66	1.32	1.43	0.898	1.02	0.898	0.830
HSS3-1/2X2-1/2X3/8	12.10	3.39	4.75	3.59	2.72	1.18	2.77	2.82	2.21	0.904
HSS3-1/2X2-1/2X5/16	10.50	2.94	4.34	3.20	2.48	1.22	2.54	2.52	2.03	0.930
HSS3-1/2X2-1/2X1/4	8.78	2.44	3.79	2.74	2.17	1.25	2.23	2.16	1.78	0.956
HSS3-1/2X2-1/2X3/16	6.87	1.89	3.09	2.18	1.76	1.28	1.82	1.72	1.46	0.983
HSS3-1/2X2-1/2X1/8	4.75	1.30	2.23	1.54	1.28	1.31	1.33	1.22	1.06	1.01
HSS3-1/2X2X1/4	7.93	2.21	3.17	2.36	1.81	1.20	1.30	1.58	1.30	0.766
HSS3-1/2X2X3/16	6.23	1.71	2.61	1.89	1.49	1.23	1.08	1.27	1.08	0.792
HSS3-1/2X2X1/8	4.32	1.19	1.90	1.34	1.09	1.27	0.795	0.912	0.795	0.818
HSS3-1/2X1-1/2X1/4	7.08	1.97	2.55	1.98	1.46	1.14	0.638	1.06	0.851	0.569
HSS3-1/2X1-1/2X3/16	5.59	1.54	2.12	1.60	1.21	1.17	0.544	0.867	0.725	0.594
HSS3-1/2X1-1/2X1/8	3.90	1.07	1.57	1.15	0.896	1.21	0.411	0.630	0.548	0.619
HSS3X2-1/2X5/16	9.47	2.64	2.92	2.51	1.94	1.05	2.18	2.20	1.74	0.908
HSS3X2-1/2X1/4	7.93	2.21	2.57	2.16	1.72	1.08	1.93	1.90	1.54	0.935
HSS3X2-1/2X3/16	6.23	1.71	2.11	1.73	1.41	1.11	1.59	1.52	1.27	0.963
HSS3X2-1/2X1/8	4.32	1.19	1.54	1.23	1.03	1.14	1.16	1.09	0.931	0.990
HSS3X2X5/16	8.41	2.35	2.38	2.11	1.59	1.01	1.24	1.58	1.24	0.725
HSS3X2X1/4	7.08	1.97	2.13	1.83	1.42	1.04	1.11	1.38	1.11	0.751
HSS3X2X3/16	5.59	1.54	1.77	1.48	1.18	1.07	0.932	1.12	0.932	0.778
HSS3X2X1/8	3.90	1.07	1.30	1.06	0.867	1.10	0.692	0.803	0.692	0.804
HSS3X1-1/2X1/4	6.23	1.74	1.68	1.51	1.12	0.982	0.543	0.911	0.725	0.559
HSS3X1-1/2X3/16	4.95	1.37	1.42	1.24	0.945	1.02	0.467	0.752	0.622	0.584
HSS3X1-1/2X1/8	3.47	0.956	1.06	0.895	0.706	1.05	0.355	0.550	0.474	0.610
HSS3X1X3/16	4.31	1.19	1.07	0.989	0.713	0.947	0.173	0.432	0.345	0.380
HSS3X1X1/8	3.04	0.840	0.817	0.728	0.545	0.987	0.138	0.325	0.276	0.405
HSS2-1/2X2X1/4	6.23	1.74	1.33	1.37	1.06	0.874	0.930	1.17	0.930	0.731
HSS2-1/2X2X3/16	4.95	1.37	1.12	1.12	0.894	0.904	0.786	0.956	0.786	0.758

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HSS sections	W(lbs)	A(in ²)	I _x (in ⁴)	Z _x (in ³)	S _x (in ³)	r _x (in)	I _y (in ⁴)	Z _y (in ³)	S _y (in ³)	r _y (in)
HSS2-1/2X2X1/8	3.47	0.956	0.833	0.809	0.667	0.934	0.589	0.694	0.589	0.785
HSS2-1/2X1-1/2X1/4	5.38	1.51	1.03	1.11	0.822	0.826	0.449	0.764	0.599	0.546
HSS2-1/2X1-1/2X3/16	4.31	1.19	0.882	0.915	0.705	0.860	0.390	0.636	0.520	0.572
HSS2-1/2X1-1/2X1/8	3.04	0.840	0.668	0.671	0.535	0.892	0.300	0.469	0.399	0.597
HSS2-1/2X1X3/16	3.67	1.02	0.646	0.713	0.517	0.796	0.143	0.360	0.285	0.374
HSS2-1/2X1X1/8	2.62	0.724	0.503	0.532	0.403	0.834	0.115	0.274	0.230	0.399
HSS2-1/4X2-1/4X1/4	6.23	1.74	1.13	1.28	1.01	0.806	1.13	1.28	1.01	0.806
HSS2-1/4X2-1/4X3/16	4.94	1.37	0.953	1.04	0.847	0.835	0.953	1.04	0.847	0.835
HSS2-1/4X2-1/4X1/8	3.47	0.956	0.712	0.755	0.633	0.863	0.712	0.755	0.633	0.863
HSS2-1/4X2X3/16	4.63	1.28	0.859	0.952	0.764	0.819	0.713	0.877	0.713	0.747
HSS2-1/4X2X1/8	3.26	0.898	0.646	0.693	0.574	0.848	0.538	0.639	0.538	0.774
HSS2X1-1/2X3/16	3.67	1.02	0.495	0.639	0.495	0.697	0.313	0.521	0.417	0.554
HSS2X1-1/2X1/8	2.62	0.724	0.383	0.475	0.383	0.728	0.244	0.389	0.325	0.581
HSS2X1X3/16	3.03	0.845	0.350	0.480	0.350	0.643	0.112	0.288	0.225	0.365
HSS2X1X1/8	2.19	0.608	0.280	0.366	0.280	0.679	0.0922	0.223	0.184	0.390