



JUMBO HSS: THE BIG DEAL IN STRUCTURAL STEEL



**FROM
ATLAS TUBE**

← **WALL THICKNESS** →

SQUARE | 0.375" | 0.500" | 0.625" | 0.750" | 0.875"

18"	✓	✓	✓	✓	✓
20"	✓	✓	✓	✓	✓
22"				✓	✓

Jumbo HSS — Readily Available in North America from Atlas Tube

Look to Atlas Tube for the largest offering of HSS in North America, including Jumbo HSS sizes! Jumbo HSS meet ASTM A500, ASTM A1085 and CSA G40 standards, and are available from Atlas Tube, North America's leading HSS provider.

Additional resources for HSS applications can be found at aisc.org and cisc-icca.ca



Atlas Tube

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JUMBO HSS

JUMBO HSS SQUARE WEIGHTS AND DIMENSIONS

SHAPE	DESIGN WALL THICKNESS in.	NOMINAL WEIGHT lbs./ft.	AREA in. ²	b/t	h/t	L in. ⁴	S in. ³	R in.	Z in. ³	TORSION		SURFACE AREA ft. ² /ft.
										J in. ⁴	C in. ³	
HSS-10" x 10" x 3/4"†	0.750	89.50	26.3	10.3	10.3	364	72.8	3.72	89.4	610	127	3.12
HSS-12" x 12" x 3/4"	0.750	109.91	32.3	13.0	13.0	666	111	4.54	134	1100	188	3.79
HSS-14" x 14" x 3/4"	0.750	130.33	38.3	15.7	15.7	1100	157	5.36	188	1790	262	4.45
HSS-14" x 14" x 7/8"	0.875	149.61	44.0	13.0	13.0	1230	176	5.29	213	2030	299	4.42
HSS-16" x 16" x 3/4"	0.750	150.75	44.3	18.3	18.3	1690	211	6.18	250	2720	347	5.12
HSS-16" x 16" x 7/8"	0.875	173.43	51.0	15.3	15.3	1900	238	6.10	285	3100	398	5.08
HSS-18" x 18" x 3/8"	0.375	88.73	26.1	45.0	45.0	1340	149	7.17	172	2080	233	5.89
HSS-18" x 18" x 1/2"	0.500	116.91	34.4	33.0	33.0	1740	193	7.11	224	2720	306	5.86
HSS-18" x 18" x 5/8"	0.625	144.39	42.4	25.8	25.8	2110	234	7.05	274	3340	376	5.82
HSS-18" x 18" x 3/4"	0.750	171.16	50.3	21.0	21.0	2460	273	6.99	322	3930	445	5.79
HSS-18" x 18" x 7/8"	0.875	197.24	58.0	17.6	17.6	2780	309	6.92	368	4500	511	5.75
HSS-20" x 20" x 3/8"	0.375	98.94	29.1	50.3	50.3	1850	185	7.97	213	2870	289	6.56
HSS-20" x 20" x 1/2"	0.500	130.52	38.4	37.0	37.0	2410	241	7.92	279	3760	380	6.52
HSS-20" x 20" x 5/8"	0.625	161.40	47.4	29.0	29.0	2940	294	7.88	342	4620	468	6.49
HSS-20" x 20" x 3/4"	0.750	191.58	56.3	23.7	23.7	3430	343	7.81	403	5460	554	6.45
HSS-20" x 20" x 7/8"	0.875	221.06	65.0	19.9	19.9	3900	390	7.75	461	6260	638	6.42
HSS-22" x 22" x 3/4"†	0.750	212.00	62.3	26.3	26.3	4630	421	8.62	492	7330	676	7.12
HSS-22" x 22" x 7/8"†	0.875	244.90	72.0	22.1	22.1	5280	480	8.56	565	8420	778	7.08

† Size not available as ASTM A1085.

JUMBO HSS RECTANGLE WEIGHTS AND DIMENSIONS

SHAPE	DESIGN WALL THICKNESS in.	NOMINAL WEIGHT lbs./ft.	AREA in. ²	b/t	h/t	AXIS X-X				AXIS Y-Y				TORSION		SURFACE AREA ft. ² /ft.
						l in. ⁴	S in. ³	r in.	Z in. ³	l in. ⁴	S in. ³	r in.	Z in. ³	J in. ⁴	C in. ³	
HSS-16" x 12" x 3/4"†	0.750	130.33	38.3	13.0	18.3	1340	168	5.91	205	856	143	4.73	168	1710	256	4.45
HSS-20" x 12" x 3/4"	0.750	150.75	44.3	13.0	23.7	2320	232	7.24	287	1046	174	4.86	202	2360	323	5.12
HSS-24" x 12" x 1/2"	0.500	116.91	34.4	21.0	45.0	2580	215	8.66	266	883	147	5.07	164	2120	270	5.86
HSS-24" x 12" x 3/8"	0.625	144.39	42.4	16.2	35.4	3130	261	8.59	325	1070	178	5.02	201	2590	331	5.82
HSS-24" x 12" x 3/4"	0.750	171.16	50.3	13.0	29.0	3650	304	8.52	382	1240	207	4.97	235	3030	391	5.79

† Size not available as ASTM A1085.

For design aids and help with upcoming projects, call **800.733.5683**

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