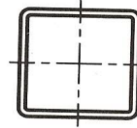


HSS sections	W(lbs)	A(in <sup>2</sup> )	Ix(in <sup>4</sup> )	Zx(in <sup>3</sup> )	Sx (in <sup>3</sup> )	rx(in)	Iy(in <sup>4</sup> )	Zy(in <sup>3</sup> )	Sy(in <sup>4</sup> )	ry(in)
HSS30X30X5/8*	246.47	72.4	10300	794	690	12.00	10300	794	690	12.00
HSS28X28X5/8*	229.45	67.4	8360	689	597	11.10	8360	689	597	11.10
HSS26X26X5/8*	212.44	62.4	6650	591	511	10.30	6650	591	511	10.30
HSS24X24X5/8*	195.43	57.4	5180	500	432	9.50	5180	500	432	9.50
HSS24X24X1/2*	157.74	46.4	4240	407	353.0	9.56	4240	407	353.0	9.56
HSS24X24X3/8*	119.35	35.1	3250	310.0	270.0	9.62	3250	310.0	270.0	9.62
HSS22X22X5/8*	178.41	52.4	3950	418	359.0	8.68	3950	418	359.0	8.68
HSS22X22X1/2*	144.13	42.4	3240	340.0	294.0	8.74	3240	340.0	294.0	8.74
HSS22X22X3/8*	109.15	32.1	2490	259.0	226.0	8.80	2490	259.0	226.0	8.80
HSS20X20X5/8*	161.40	47.4	2940	342.0	294.0	7.87	2940	342.0	294.0	7.87
HSS20X20X1/2*	130.52	38.4	2410	279	241	7.93	2410	279	241	7.93
HSS20X20X3/8*	98.94	29.1	1850	213	185.0	7.99	1850	213	185.0	7.99
HSS18X18X5/8*	144.39	42.4	2110	274.0	234	7.05	2110	274.0	234	7.05
HSS18X18X1/2*	116.91	34.4	1740	224.0	193	7.11	1740	224.0	193	7.11
HSS18X18X3/8*	88.73	26.1	1340	172.0	149	7.17	1340	172.0	149	7.17
HSS16X16X5/8	127.00	35.0	1370	200	171	6.25	1370	200	171	6.25
HSS16X16X1/2	103.00	28.3	1130	164	141	6.31	1130	164	141	6.31
HSS16X16X3/8	78.45	21.5	873	126	109	6.37	873	126	109	6.37
HSS16X16X5/16	65.82	18.1	739	106	92.3	6.39	739	106	92.3	6.39
HSS14X14X5/8	110.00	30.3	897	151	128	5.44	897	151	128	5.44
HSS14X14X1/2	89.55	24.6	743	124	106	5.49	743	124	106	5.49
HSS14X14X3/8	68.24	18.7	577	95.4	82.5	5.55	577	95.4	82.5	5.55
HSS14X14X5/16	57.31	15.7	490	80.5	69.9	5.58	490	80.5	69.9	5.58
HSS12X12X5/8	93.14	25.7	548	109	91.4	4.62	548	109	91.4	4.62
HSS12X12X1/2	75.94	20.9	457	89.6	76.2	4.68	457	89.6	76.2	4.68
HSS12X12X3/8	58.03	16.0	357	69.2	59.5	4.73	357	69.2	59.5	4.73
HSS12X12X5/16	48.81	13.4	304	58.6	50.7	4.76	304	58.6	50.7	4.76
HSS12X12X1/4	39.40	10.8	248	47.6	41.4	4.79	248	47.6	41.4	4.79
HSS12X12X3/16	29.82	8.15	189	36.0	31.5	4.82	189	36.0	31.5	4.82
HSS10X10X5/8	76.13	21.0	304	73.2	60.8	3.80	304	73.2	60.8	3.80
HSS10X10X1/2	62.33	17.2	256	60.7	51.2	3.86	256	60.7	51.2	3.86
HSS10X10X3/8	47.82	13.2	202	47.2	40.4	3.92	202	47.2	40.4	3.92
HSS10X10X5/16	40.30	11.1	172	40.1	34.5	3.94	172	40.1	34.5	3.94
HSS10X10X1/4	32.60	8.96	141	32.7	28.3	3.97	141	32.7	28.3	3.97
HSS10X10X3/16	24.72	6.76	108	24.8	21.6	4.00	108	24.8	21.6	4.00
HSS9X9X5/8	67.62	18.7	216	58.1	47.9	3.40	216	58.1	47.9	3.40
HSS9X9X1/2	55.53	15.3	183	48.4	40.6	3.45	183	48.4	40.6	3.45
HSS9X9X3/8	42.72	11.8	145	37.8	32.2	3.51	145	37.8	32.2	3.51
HSS9X9X5/16	36.05	9.92	124	32.1	27.6	3.54	124	32.1	27.6	3.54
HSS9X9X1/4	29.19	8.03	102	26.2	22.7	3.56	102	26.2	22.7	3.56
HSS9X9X3/16	22.16	6.06	78.2	20.0	17.4	3.59	78.2	20.0	17.4	3.59
HSS9X9X1/8	14.95	4.09	53.5	13.6	11.9	3.62	53.5	13.6	11.9	3.62
HSS8X8X5/8	59.11	16.4	146	44.7	36.5	2.99	146	44.7	36.5	2.99
HSS8X8X1/2	48.72	13.5	125	37.5	31.2	3.04	125	37.5	31.2	3.04
HSS8X8X3/8	37.61	10.4	100	29.4	24.9	3.10	100	29.4	24.9	3.10
HSS8X8X5/16	31.79	8.76	85.6	25.1	21.4	3.13	85.6	25.1	21.4	3.13
HSS8X8X1/4	25.79	7.10	70.7	20.5	17.7	3.15	70.7	20.5	17.7	3.15
HSS8X8X3/16	19.61	5.37	54.4	15.7	13.6	3.18	54.4	15.7	13.6	3.18
HSS8X8X1/8	13.25	3.62	37.4	10.7	9.34	3.21	37.4	10.7	9.34	3.21
HSS7X7X5/8	50.60	14.0	93.4	33.1	26.7	2.58	93.4	33.1	26.7	2.58
HSS7X7X1/2	41.91	11.6	80.5	27.9	23.0	2.63	80.5	27.9	23.0	2.63
HSS7X7X3/8	32.51	8.97	65.0	22.1	18.6	2.69	65.0	22.1	18.6	2.69
HSS7X7X5/16	27.54	7.59	56.1	18.9	16.0	2.72	56.1	18.9	16.0	2.72
HSS7X7X1/4	22.39	6.17	46.5	15.5	13.3	2.75	46.5	15.5	13.3	2.75
HSS7X7X3/16	17.06	4.67	36.0	11.9	10.3	2.77	36.0	11.9	10.3	2.77
HSS7X7X1/8	11.55	3.16	24.8	8.13	7.09	2.80	24.8	8.13	7.09	2.80



HSS sections	W(lbs)	A(in <sup>2</sup> )	I <sub>x</sub> (in <sup>4</sup> )	Z <sub>x</sub> (in <sup>3</sup> )	S <sub>x</sub> (in <sup>3</sup> )	r <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	Z <sub>y</sub> (in <sup>3</sup> )	S <sub>y</sub> (in <sup>3</sup> )	r <sub>y</sub> (in)
HSS6X6X5/8	42.10	11.7	55.2	23.2	18.4	2.17	55.2	23.2	18.4	2.17
HSS6X6X1/2	35.11	9.74	48.3	19.8	16.1	2.23	48.3	19.8	16.1	2.23
HSS6X6X3/8	27.41	7.58	39.5	15.8	13.2	2.28	39.5	15.8	13.2	2.28
HSS6X6X5/16	23.29	6.43	34.3	13.6	11.4	2.31	34.3	13.6	11.4	2.31
HSS6X6X1/4	18.99	5.24	28.6	11.2	9.54	2.34	28.6	11.2	9.54	2.34
HSS6X6X3/16	14.51	3.98	22.3	8.63	7.42	2.37	22.3	8.63	7.42	2.37
HSS6X6X1/8	9.85	2.70	15.5	5.92	5.15	2.39	15.5	5.92	5.15	2.39
HSS5-1/2X5-1/2X3/8	24.85	6.88	29.7	13.1	10.8	2.08	29.7	13.1	10.8	2.08
HSS5-1/2X5-1/2X5/16	21.16	5.85	25.9	11.3	9.43	2.11	25.9	11.3	9.43	2.11
HSS5-1/2X5-1/2X1/4	17.28	4.77	21.7	9.32	7.90	2.13	21.7	9.32	7.90	2.13
HSS5-1/2X5-1/2X3/16	13.23	3.63	17.0	7.19	6.17	2.16	17.0	7.19	6.17	2.16
HSS5-1/2X5-1/2X1/8	9.00	2.46	11.8	4.95	4.30	2.19	11.8	4.95	4.30	2.19
HSS5X5X1/2	28.30	7.88	26.0	13.1	10.4	1.82	26.0	13.1	10.4	1.82
HSS5X5X3/8	22.30	6.18	21.7	10.6	8.68	1.87	21.7	10.6	8.68	1.87
HSS5X5X5/16	19.03	5.26	19.0	9.16	7.62	1.90	19.0	9.16	7.62	1.90
HSS5X5X1/4	15.58	4.30	16.0	7.61	6.41	1.93	16.0	7.61	6.41	1.93
HSS5X5X3/16	11.96	3.28	12.6	5.89	5.03	1.96	12.6	5.89	5.03	1.96
HSS5X5X1/8	8.15	2.23	8.80	4.07	3.52	1.99	8.80	4.07	3.52	1.99
HSS4-1/2X4-1/2X1/2	24.90	6.95	18.1	10.2	8.03	1.61	18.1	10.2	8.03	1.61
HSS4-1/2X4-1/2X3/8	19.75	5.48	15.3	8.36	6.79	1.67	15.3	8.36	6.79	1.67
HSS4-1/2X4-1/2X5/16	16.91	4.68	13.5	7.27	6.00	1.70	13.5	7.27	6.00	1.70
HSS4-1/2X4-1/2X1/4	13.88	3.84	11.4	6.06	5.08	1.73	11.4	6.06	5.08	1.73
HSS4-1/2X4-1/2X3/16	10.68	2.93	9.02	4.71	4.01	1.75	9.02	4.71	4.01	1.75
HSS4-1/2X4-1/2X1/8	7.30	2.00	6.35	3.27	2.82	1.78	6.35	3.27	2.82	1.78
HSS4X4X1/2	21.50	6.02	11.9	7.70	5.97	1.41	11.9	7.70	5.97	1.41
HSS4X4X3/8	17.20	4.78	10.3	6.39	5.13	1.47	10.3	6.39	5.13	1.47
HSS4X4X5/16	14.78	4.10	9.14	5.59	4.57	1.49	9.14	5.59	4.57	1.49
HSS4X4X1/4	12.18	3.37	7.80	4.69	3.90	1.52	7.80	4.69	3.90	1.52
HSS4X4X3/16	9.40	2.58	6.21	3.67	3.10	1.55	6.21	3.67	3.10	1.55
HSS4X4X1/8	6.45	1.77	4.40	2.56	2.20	1.58	4.40	2.56	2.20	1.58
HSS3-1/2X3-1/2X3/8	14.65	4.09	6.49	4.69	3.71	1.26	6.49	4.69	3.71	1.26
HSS3-1/2X3-1/2X5/16	12.65	3.52	5.84	4.14	3.34	1.29	5.84	4.14	3.34	1.29
HSS3-1/2X3-1/2X1/4	10.48	2.91	5.04	3.50	2.88	1.32	5.04	3.50	2.88	1.32
HSS3-1/2X3-1/2X3/16	8.13	2.24	4.05	2.76	2.31	1.35	4.05	2.76	2.31	1.35
HSS3-1/2X3-1/2X1/8	5.60	1.54	2.90	1.93	1.66	1.37	2.90	1.93	1.66	1.37
HSS3X3X3/8	12.09	3.39	3.78	3.25	2.52	1.06	3.78	3.25	2.52	1.06
HSS3X3X5/16	10.53	2.94	3.45	2.90	2.30	1.08	3.45	2.90	2.30	1.08
HSS3X3X1/4	8.78	2.44	3.02	2.48	2.01	1.11	3.02	2.48	2.01	1.11
HSS3X3X3/16	6.85	1.89	2.46	1.97	1.64	1.14	2.46	1.97	1.64	1.14
HSS3X3X1/8	4.75	1.30	1.78	1.40	1.19	1.17	1.78	1.40	1.19	1.17
HSS2-1/2X2-1/2X5/16	8.40	2.35	1.82	1.88	1.46	0.880	1.82	1.88	1.46	0.880
HSS2-1/2X2-1/2X1/4	7.08	1.97	1.63	1.63	1.30	0.908	1.63	1.63	1.30	0.908
HSS2-1/2X2-1/2X3/16	5.57	1.54	1.35	1.32	1.08	0.937	1.35	1.32	1.08	0.937
HSS2-1/2X2-1/2X1/8	3.90	1.07	0.998	0.947	0.799	0.965	0.998	0.947	0.799	0.965
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
HSS2X2X1/4	5.38	1.51	0.747	0.964	0.747	0.704	0.747	0.964	0.747	0.704
HSS2X2X3/16	4.30	1.19	0.641	0.797	0.641	0.733	0.641	0.797	0.641	0.733
HSS2X2X1/8	3.04	0.840	0.486	0.584	0.486	0.761	0.486	0.584	0.486	0.761