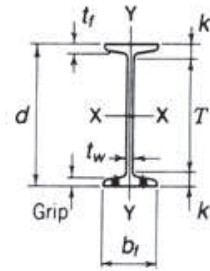


**I-Beams
“S” Shapes
4” to 24”**

S Shapes

Dimensions



Shapes	Area A	Depth d		Web			Flange				Distance		Grip	Max. Flge. Fas- ten- er
				Thickness t _w	t _w 2	Width b _f	Thickness t _f	T	k					
	in. ²	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
S 3 x 5.7 x 7.5	1.67	3.00	3	0.170	3/16	1/8	2.330	2 3/8	0.260	1/4	1 5/8	1 1/16	1/4	—
	2.21	3.00	3	0.349	3/8	3/16	2.509	2 1/2	0.260	1/4	1 5/8	1 1/16	1/4	—
S 4 x 7.7 x 9.5	2.26	4.00	4	0.193	3/16	1/8	2.663	2 5/8	0.293	5/16	2 1/2	3/4	5/16	—
	2.79	4.00	4	0.326	5/16	3/16	2.796	2 3/4	0.293	5/16	2 1/2	3/4	5/16	—
S 5 x 10 x 14.75	2.94	5.00	5	0.214	3/16	1/8	3.004	3	0.326	5/16	3 3/8	1 3/16	5/16	—
	4.34	5.00	5	0.494	1/2	1/4	3.284	3 1/4	0.326	5/16	3 3/8	1 3/16	5/16	—
S 6 x 12.5 x 17.25	3.67	6.00	6	0.232	1/4	1/8	3.332	3 3/8	0.359	3/8	4 1/4	7/8	3/8	—
	5.07	6.00	6	0.465	7/16	1/4	3.565	3 5/8	0.359	3/8	4 1/4	7/8	3/8	5/8
S 7 x 1 7.25 x 20	5.07	6.00	6	0.465	7/16	1/4	3.565	3 5/8	0.359	3/8	4 1/4	7/8	3/8	5/8
	5.88	7.00	7	0.450	7/16	1/4	3.860	3 7/8	0.392	3/8	5 1/8	1 5/16	3/8	5/8
S 8 x 18.4 x 23	5.41	8.00	8	0.271	1/4	1/8	4.001	4	0.426	7/16	6	1	7/16	3/4
	6.77	8.00	8	0.441	7/16	1/4	4.171	4 1/8	0.426	7/16	6	1	7/16	3/4
S 10 x 25.4 x 35	7.46	10.00	10	0.311	5/16	3/16	4.661	4 5/8	0.491	1/2	7 3/4	1 1/8	1/2	3/4
	10.3	10.00	10	0.594	5/8	5/16	4.944	5	0.491	1/2	7 3/4	1 1/8	1/2	3/4
S 12 x 31.8 x 35	9.35	12.00	12	0.350	3/8	3/16	5.000	5	0.544	9/16	9 5/8	1 3/16	1/2	3/4
	10.3	12.00	12	0.428	7/16	1/4	5.078	5 1/8	0.544	9/16	9 5/8	1 3/16	1/2	3/4
S 12 x 40.8 x 50	12.0	12.00	12	0.462	7/16	1/4	5.252	5 1/4	0.659	1 1/16	9 1/8	1 7/16	5/8	3/4
	14.7	12.00	12	0.687	1 1/16	3/8	5.477	5 1/2	0.659	1 1/16	9 1/8	1 7/16	1 1/16	3/4
S 15 x 42.9 x 50	12.6	15.00	15	0.411	7/16	1/4	5.501	5 1/2	0.622	5/8	12 1/4	1 3/8	9/16	3/4
	14.7	15.00	15	0.550	9/16	5/16	5.640	5 5/8	0.622	5/8	12 1/4	1 3/8	9/16	3/4
S 18 x 54.7 x 70	16.1	18.00	18	0.461	7/16	1/4	6.001	6	0.691	1 1/16	15	1 1/2	1 1/16	7/8
	20.6	18.00	18	0.711	1 1/16	3/8	6.251	6 1/4	0.691	1 1/16	15	1 1/2	1 1/16	7/8
S 20 x 66 x 75	19.4	20.00	20	0.505	1/2	1/4	6.255	6 1/4	0.795	1 3/16	16 3/4	1 5/8	1 3/16	7/8
	22.0	20.00	20	0.635	5/8	5/16	6.385	6 3/8	0.795	1 3/16	16 3/4	1 5/8	1 3/16	7/8
S 20 x 86 x 96	25.3	20.30	20 1/4	0.660	1 1/16	3/8	7.060	7	0.920	1 5/16	16 3/4	1 3/4	1 5/16	1
	28.2	20.30	20 1/4	0.800	1 3/16	7/16	7.200	7 1/4	0.920	1 5/16	16 3/4	1 3/4	1 5/16	1
S 24 x 80 x 90 x 100	23.5	24.00	24	0.500	1/2	1/4	7.000	7	0.870	7/8	20 1/2	1 3/4	7/8	1
	26.5	24.00	24	0.625	5/8	5/16	7.125	7 1/8	0.870	7/8	20 1/2	1 3/4	7/8	1
	29.3	24.00	24	0.745	3/4	3/8	7.245	7 1/4	0.870	7/8	20 1/2	1 3/4	7/8	1
S 24 x 106 x 121	31.2	24.50	24 1/2	0.620	5/8	5/16	7.870	7 7/8	1.090	1 1/16	20 1/2	2	1 1/8	1
	35.6	24.50	24 1/2	0.800	1 3/16	7/16	8.050	8	1.090	1 1/16	20 1/2	2	1 1/8	1