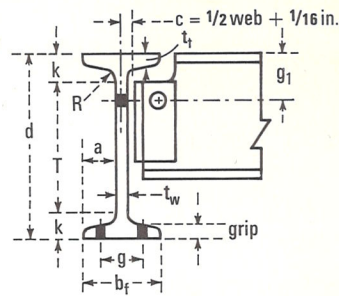


AMERICAN STANDARD SHAPES

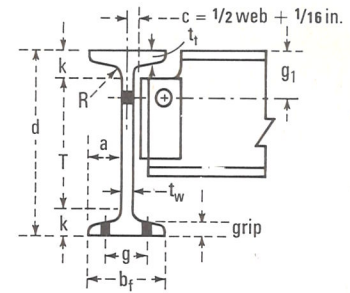


Approximate Dimensions for Detailing

Section Number and Nominal Size	Weight per Foot	Depth of Section d	Flange		Web Thickness t_w	a	T	k	g_1	c	Grip	Max Flange Fastener	Usual Flange Gage g
			Width b_f	Average Thickness t_f									
in.	lb	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
S24 x I 24A 24 x 7% *R = .60	120 105.9	24 24	8 7%	1% 1%	1% %	3% 3%	20 20	2 2	3% 3%	7% %	1% 1%	1 1	4 4
S24 x I 24 24 x 7 *R = .60	100 90 79.9	24 24 24	7% 7% 7	% % %	% % %	3% 3% 3%	20% 20% 20%	1% 1% 1%	3 3 3	7% % %	% % %	1 1 1	4 4 4
S20 x I 20A 20 x 7 *R = .70	95 85	20 20	7% 7	1% 1%	1% %	3% 3%	16% 16%	1% 1%	3 3	7% %	1% %	1 1	4 4
S20 x I 20 20 x 6% *R = .60	75 65.4	20 20	6% 6%	1% 1%	% %	2% 2%	16% 16%	1% 1%	3 3	% %	1% %	% %	3% 3%
S18 x I 18 18 x 6 *R = .56	70 54.7	18 18	6% 6	1% 1%	1% %	2% 2%	15 15	1% 1%	2% 2%	7% %	1% %	% %	3% 3%
S15 x I 15 15 x 5% *R = .51	50 42.9	15 15	5% 5%	% %	% %	2% 2%	12% 12%	1% 1%	2% 2%	5% %	% %	% %	3% 3%
S12 x I 12 A 12 x 5% *R = .56	50 40.8	12 12	5% 5%	1% 1%	1% %	2% 2%	9% 9%	1% 1%	2% 2%	5% %	1% %	% %	3 3
S12 x I 12 12 x 5 *R = .45	35 31.8	12 12	5% 5	% %	7% %	2% 2%	9% 9%	1% 1%	2% 2%	1% %	1% %	% %	3 3

*R = radius of fillet.
All shapes on this page have a flange slope of 16% pct.

AMERICAN STANDARD SHAPES



Approximate Dimensions for Detailing

Section Number and Nominal Size	Weight per Foot	Depth of Section d	Flange		Web Thickness t_w	a	T	k	g_1	c	Grip	Max Flange Fastener	Usual Flange Gage g
			Width b_f	Average Thickness t_f									
in.	lb	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
S10 x I 10 10 x 4% *R = .41	35 25.4	10 10	5 4%	1% 1%	5% %	2% 2%	7% 7%	1% 1%	2% 2%	3% %	1% %	3% %	2% 2%
S8 x I 8 8 x 4 *R = .37	23 18.4	8 8	4% 4	7% 7%	7% %	1% 1%	6 6	1 1	2% 2%	5% %	7% %	3% %	2% 2%
S7 x I 7 7 x 3% *R = .35	15.3	7	3%	%	1% %	1% %	5% %	7% %	2% 2%	3% %	% %	% %	2% 2%
S6 x I 6 6 x 3% *R = .33	17.25 12.5	6 6	3% 3%	% %	7% %	1% 1%	4% 4%	1% 1%	2% 2%	5% %	3% %	5% %	2 —
S5 x I 5 5 x 3 *R = .31	10	5	3	5% %	3% %	1% %	3% %	3% %	2% 2%	3% %	5% %	—	—
S4 x I 4 4 x 2% *R = .29	9.5 7.7	4 4	2% 2%	5% %	5% %	1% 1%	2% 2%	1% 1%	2% 2%	1% %	5% %	— —	— —
S3 x I 3 3 x 2% *R = .27	7.5 5.7	3 3	2% 2%	1% %	3% %	1% 1%	1% 1%	5% %	— —	1% %	1% %	— —	— —

*R = radius of fillet.
All shapes on this page have a flange slope of 16% pct.