

Table 1-1 (continued) W-Shapes **Dimensions**

Shape W36×652 ^h	Area, A in. ²	Depth, d in.		Web			Flange				Distance				
				Thickness,		1 in.	Width,		Thickness,		k Kans Kan		Kı.	7	Work- able
											in.	Keet in.	in.	in.	Gage in.
								17%	3.54	39/16	4.49	413/16	23/16	31½a	71/2
×529 ^h	156	39.8	393/4		15/a		17.2	1774	2.91	215/16	3.86	43/16	2	3178	172
×487 ^h	143	39.3	393/8		11/2	3/4	17.1	171/8	2.68	211/16	3.63	4	17/4		
×441 ^h	130	38.9	387/s		13/a		17.0	17	2.44	27/16	3.39	33/4	17/2		
×395 ^h	116	38.4	383/s		174	5/8	16.8	167/8	2.20	23/16	3.15	37/16	113/16		
×361 ^h	106	38.0	38	1.12	11/6	9/16	16.7	163/4	2.01	2	2.96	35/16	13/4	1 1 1	
×330	96.9	37.7		1.02	1	1/2	16.6	16%s	1.85	17/1	2.80	31/8	13/4		
×302	89.0	37.3		0.945		1/2	16.7	16%	1.68	111/16	2.63	3	111/16		
×282°	82.9	37.1		0.885	7/8	7/16	16.6	16%s	1.57	19/16	2.52	27/8	15/8	1	
×262°	77.2	36.9		0.840	13/16	7/16	16.6	161/2	1.44	17/16	2.39	23/4	15/8		
×247°	72.5	36.7		0.800	13/16	7/16	16.5	161/2	1.35	13/8	2.30	25/3	15/8		
×231°	68.2	36.5		0.760	3/4	3/8	16.5	161/2	1.26	11/4	2.21	29/16	19/16	¥	*
W36×256	75.3	37.4	37%	0.960	15/16	3/2	12.2	1274	1.73	13/4	2.48	25/8	15/10	32 Va	51/2
>232°	68.0	37.1	371/8	0.870	7/8	7/10	12.1	121/8	1.57	19/10	2.32	27/16	17/4		1
×210°	61.9	36.7	363/4	0.830	13/10	7/10	12.2	121/8	1.36	13/0	2.11	25/16	13/4		
×194°	57.0	36.5	361/2	0.765	3/4	3/a	12.1	121/8	1.26	13/4	2.01	23/16	13/10		
×182°	53.6	36.3	36¾s	0.725	3/4	3/e	12.1	12 Va	1.18	13/16	1.93	21/a	13/10		
×170°	50.0	36.2	361/s	0.680	11/16	3/e	12.0	12	1.10	13/6	1.85	2	13/16		
×160°	47.0	36.0	36	0.650	5/8	5/16	12.0	12	1.02	1	1.77	115/16	13/a		
×150°	44.3	35.9	357/s	0.625	5/e	5/16	12.0	12	0.940	15/16	1.69	17/8	17/2		
×135°.×	39.9	35.6	351/2	0.600	5/e	5/16	12.0	12	0.790	12/16	1.54	111/16	11/2	W	•
W33×387 ^h	114	36.0	36	1.26	13/4	5/a	16.2	161/4	2.28	21/4	3.07	33/16	17/16	295/a	51/2
×354 ⁿ	104	35.6	351/2		13/16	5/8	16.1	161/s	2.09	21/16	2.88	215/16	13/3		
×318	93.7	35.2	351/8		11/16	9/16	16.0	16	1.89	17/8	2.68	23/4	15/16		
×291	85.6	34.8		0.960	15/16	1/2	15.9	157/8	1.73	13/4	2.52	2°/s	15/16		
×263	77.4	34.5		0.870	7/8	7/18	15.8	152/4	1.57	19/16	2.36	27/16	17/4		
×241°	71.1	34.2		0.830	13/16	7/16	15.9	157/8	1.40	1-5/8	2.19	21/4	17/4		
×221°	65.3	33.9		0.775	3/4	3/a	15.8	15-74	1.28	11/4	2.06	21/8	13/16	1 1 1	
×201°	59.1	33.7	333/8	0.715	11/16	3/e	15.7	157/4	1.15	11/8	1.94	2	13/16	W	
W33×169 ^c	49.5	33.8		0.670	11/16	3/8	11.5	111/2	1.22	13/4	1.92	21/8	13/16	29 ⁴ /a	51/2
×152°	44.9	33.5		0.635	5/s	5/16	11.6	115%	1.06	11/16	1.76	115/16			
×141°	41.5	33.3	331/4	0.605	5/a	5/16	11.5	111/2	0.960		1.66	113/16			
×130°	38.3	33.1	331/s	0.580	9/16	5/16	11.5	111/2	0.855	7/8	1.56	13/4	17/1		J.
×118 ^{c,v}	34.7	32.9	327/s	0.550	9/16	5/16	11.5	111/2	0.740	3/4	1.44	15/3	1 1/a	¥	

^c Shape is stender for compression with $F_y = 50$ ksi.

^b Flange thickness greater than 2 in. Special requirements may apply per AISC Specification Section A3.1c.

^c Shape does not meet the h/t_{tr} limit for shear in AISC Specification Section G2.1(a) with $F_y = 50$ ksi.

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