

New Designation				Weight Per Foot	Weight Per 20' Bar	Flange		Web Thickness	Section Modulus
ASTM Imp.	Cdn. Metric		Width			Thickness			
S3 x	5.7	S75 x	8.0	5.7	114.0	2.33	0.26	0.17	1.68
	7.5		11.0	7.5	150.0	2.509	0.26	0.349	1.95
S4 x	7.7	S100 x	11.0	7.7	154.0	2.66	0.293	0.19	3.04
	9.5		14.1	9.5	190.0	2.796	0.293	0.326	3.39
S5 x	10.0	S130 x	15.0	10.0	200.0	3.0	0.326	0.21	4.92
	14.75		22.0	14.75	295.0	3.284	0.326	0.494	6.09
S6 x	12.5	S150 x	19.0	12.5	250.0	3.33	0.359	0.23	7.37
	17.25		26.0	17.25	345.0	3.565	0.359	0.465	8.77
S8 x	18.4	S200 x	27.0	18.4	368.0	4.0	0.425	0.27	14.4
	23.0		34.0	23.0	460.0	4.171	0.425	0.441	16.2
S10 x	25.4	S250 x	38.0	25.4	508.0	4.66	0.491	0.31	24.7
	35.0		52.0	35.0	700.0	4.994	0.491	0.594	29.4
S12 x	31.8	S310 x	47.0	31.8	636.0	5.0	0.544	0.35	36.4
	35.0		52.0	35.0	700.0	5.078	0.544	0.428	38.2
	40.8		60.7	40.8	816.0	5.25	0.659	0.46	45.4
S15 x	42.9	S380 x	64.0	42.9	858.0	5.5	0.622	0.41	59.6
	50.0		74.0	50.0	1000.0	5.64	0.622	0.55	64.8



STRUCTURAL I BEAMS (S)





ASTM A572-50 or A992

Wide Flange (W)

New Designation				Weight Per Foot	Depth of Section	Flange		Web Thickness	Section Modulus
ASTM Imp.		Cdn. Metric				Width	Thickness		
W4 x	13	W100 x	19	13.0	4.16	4.06	0.345	0.28	5.46
W5 x	16	W130 x	24	16.0	5.01	5.0	0.36	0.24	8.55
	19		28	19.0	5.15	5.03	0.43	0.27	10.2
W6 x	9	W150 x	14	9.0	5.9	3.94	0.215	0.17	5.56
	12		18	12.0	6.03	4.0	0.28	0.23	7.31
	15		22	15.0	5.99	5.99	0.26	0.23	9.72
	16		24	16.0	6.28	4.03	0.405	0.26	10.2
	20		30	20.0	6.2	6.02	0.365	0.26	13.4
	25		37	25.0	6.38	6.08	0.455	0.32	16.7
W8 x	10	W200 x	15	10.0	7.89	3.94	0.205	0.17	7.81
	13		19	13.0	7.99	4.0	0.255	0.23	9.91
	15		22	15.0	8.11	4.02	0.315	0.245	11.8
	18		27	18.0	8.14	5.25	0.33	0.23	15.2
	21		31	21.0	8.28	5.27	0.4	0.25	18.2
	24		36	24.0	7.93	6.5	0.4	0.245	20.9
	28		42	28.0	8.06	6.54	0.465	0.285	24.3
	31		46	31.0	8.0	8.0	0.435	0.285	27.5
	35		52	35.0	8.12	8.02	0.495	0.31	31.2
	40		59	40.0	8.25	8.07	0.56	0.36	35.5
	48		71	48.0	8.5	8.11	0.685	0.4	43.3
58	86	58.0	8.75	8.22	0.81	0.51	52.0		
W10 x	12	W250 x	18	12.0	9.87	3.96	0.21	0.19	10.9
	15		22	15.0	9.99	4.0	0.27	0.23	13.8
	19		28	19.0	10.24	4.02	0.395	0.25	18.8
	22		33	22.0	10.17	5.75	0.36	0.24	23.2
	26		39	26.0	10.33	5.77	0.44	0.26	27.9
	30		45	30.0	10.47	5.81	0.51	0.3	32.4
	33		49	33.0	9.73	7.96	0.435	0.29	35.0
	39		58	39.0	9.92	7.98	0.53	0.315	42.1
	45		67	45.0	10.1	8.02	0.62	0.35	49.1
	49		73	49.0	9.98	10.0	0.56	0.34	54.6
	54		80	54.0	10.09	10.03	0.615	0.37	60.0
	60		89	60.0	10.22	10.08	0.68	0.42	66.7
	68		101	68.0	10.4	10.13	0.77	0.47	75.8
88	131	88.0	10.84	10.26	0.99	0.605	98.5		
W12 x	14	W310 x	21	14.0	11.91	3.97	0.255	0.2	14.9
	16		24	16.0	11.99	3.97	0.265	0.22	17.1
	19		28	19.0	12.16	4.0	0.35	0.235	21.3
	22		33	22.0	12.31	4.03	0.425	0.26	25.4
	26		39	26.0	12.22	6.49	0.38	0.23	33.4
	30		45	30.0	12.34	6.52	0.44	0.26	38.6
	35		52	35.0	12.5	6.56	0.52	0.3	45.6





New Designation		Weight Per Foot	Depth of Section	Flange		Web Thickness	Section Modulus		
ASTM Imp.	Cdn. Metric			Width	Thickness				
W12 x	40	W310 x	60	40.0	11.94	8.0	0.515	0.295	51.9
	45		67	45.0	12.06	8.04	0.575	0.335	58.1
	50		74	50.0	12.19	8.08	0.64	0.37	64.7
	53		79	53.0	12.06	10.0	0.575	0.345	70.6
	58		86	58.0	12.19	10.01	0.64	0.36	78.0
	65		97	65.0	12.12	12.0	0.605	0.39	87.9
	72		107	72.0	12.25	12.04	0.67	0.43	97.4
	79		118	79.0	12.38	12.08	0.735	0.47	107.0
	87		129	87.0	12.53	12.04	0.81	0.516	118.0
	96		143	96.0	12.71	12.16	0.9	0.55	131.0
W14 x	22	W360 x	33	22.0	13.74	5.0	0.335	0.23	29.0
	26		39	26.0	13.91	5.02	0.42	0.255	35.3
	30		45	30.0	13.84	6.73	0.385	0.27	42.0
	34		51	34.0	13.98	6.74	0.455	0.285	48.6
	38		57	38.0	14.1	6.77	0.515	0.31	54.6
	43		64	43.0	13.66	8.0	0.53	0.305	62.7
	48		72	48.0	13.79	8.03	0.595	0.34	70.3
	53		79	53.0	13.92	8.06	0.66	0.37	77.8
	61		91	61.0	13.89	10.0	0.645	0.375	92.2
	68		101	68.0	14.04	10.04	0.72	0.415	103.0
	74		110	74.0	14.17	10.07	0.785	0.45	112.0
	82		122	82.0	14.31	10.13	0.855	0.51	123.0
	90		134	90.0	14.02	14.52	0.71	0.44	143.0
	109		162	109.0	14.32	14.6	0.86	0.525	173.0
120	179	120.0	14.48	14.67	0.94	0.59	190.0		
132	196	132.0	14.66	14.72	1.03	0.645	209.0		
W16 x	26	W410 x	39	26.0	15.69	5.5	0.345	0.25	38.4
	31		46	31.0	15.88	5.52	0.44	0.275	47.2
	36		54	36.0	15.86	6.98	0.43	0.295	56.5
	40		60	40.0	16.01	7.0	0.505	0.305	64.7
	45		67	45.0	16.13	7.04	0.565	0.345	72.7
	50		74	50.0	16.26	7.07	0.63	0.38	81.0
	57		85	57.0	16.37	7.12	0.715	0.43	92.2
	67		100	67.0	16.33	10.24	0.665	0.395	117.0
	77		114	77.0	16.52	10.3	0.76	0.455	134.0
	89		132	89.0	16.75	10.36	0.875	0.525	155.0
W18 x	35	W460 x	52	35.0	17.7	6.0	0.425	0.3	57.6
	40		60	40.0	17.9	6.02	0.525	0.315	68.4
	45		67	45.0	17.86	7.48	0.499	0.335	80.5
	46		68	46.0	18.06	6.06	0.605	0.36	78.8
	50		74	50.0	17.99	7.5	0.57	0.355	88.9
	55		82	55.0	18.11	7.53	0.63	0.39	98.3

Wide Flange (W)



# Wide Flange (W)



## I

ASTM A572-50 or A992

New Designation		Weight Per Foot	Depth of Section	Flange		Web Thickness	Section Modulus		
ASTM Imp.	Cdn. Metric			Width	Thickness				
W18 x	60	W460 x	89	60.0	18.24	7.56	0.695	0.415	108.0
	65		97	65.0	18.35	7.59	0.75	0.45	117.0
	71		106	71.0	18.47	7.64	0.81	0.495	127.0
	76		113	76.0	18.21	11.04	0.68	0.425	146.0
	86		128	86.0	18.39	11.09	0.77	0.48	166.0
	97		144	97.0	18.59	11.14	0.87	0.535	188.0
	106		158	106.0	18.73	11.2	0.94	0.59	204.0
	119		177	119.0	18.97	11.26	1.06	0.655	231.0
	143		213	143.0	19.49	11.22	1.32	0.73	283.0
W21 x	44	W530 x	66	44.0	20.66	6.5	0.45	0.35	81.6
	50		74	50.0	20.83	6.53	0.535	0.38	94.5
	57		85	57.0	21.06	6.56	0.65	0.405	111.0
	62		92	62.0	20.99	8.24	0.615	0.4	127.0
	68		101	68.0	21.13	8.27	0.685	0.430	140.0
	73		109	73.0	21.24	8.3	0.74	0.455	151.0
	83		123	83.0	21.43	8.36	0.835	0.515	171.0
	93		138	93.0	21.62	8.42	0.93	0.58	192.0
	101		150	101.0	21.36	12.29	0.8	0.5	227.0
122	182	122.0	21.86	12.39	0.96	0.6	273.0		
W24 x	55	W610 x	82	55.0	23.57	7.0	0.505	0.395	114.0
	62		92	62.0	23.74	7.04	0.59	0.43	131.0
	68		101	68.0	23.73	8.96	0.585	0.415	154.0
	76		113	76.0	23.92	8.99	0.68	0.44	176.0
	84		125	84.0	24.1	9.02	0.77	0.47	196.0
	94		140	94.0	24.31	9.06	0.875	0.515	222.0
	103		153	103.0	24.53	9.0	0.98	0.55	246.0
	104		155	104.0	24.06	12.75	0.75	0.5	258.0
	117		174	117.0	24.26	12.8	0.85	0.55	291.0
	131		195	131.0	24.28	12.86	0.96	0.605	329.0
	146		217	146.0	24.74	12.9	1.09	0.65	371.0
	162		241	162.0	25.0	12.96	1.22	0.705	414.0
	192		285	192.0	25.47	12.95	1.46	0.81	493.0
229	341	229.0	26.02	13.11	1.73	0.96	590.0		
W27 x	84	W690 x	125	84.0	26.71	9.96	0.64	0.46	213.0
	94		140	94.0	26.92	9.99	0.745	0.49	243.0
	114		170	114.0	27.29	10.07	0.93	0.57	299.0
	146		217	146.0	27.38	13.96	0.975	0.605	411.0
	161		240	161.0	27.59	14.02	1.08	0.66	455.0
	178		265	178.0	27.81	14.08	1.19	0.725	502.0

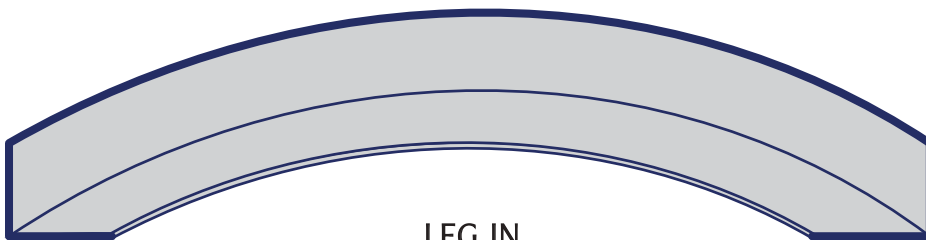
W30, W36, W40, and W44 Available By Special Order.

## ANGLES



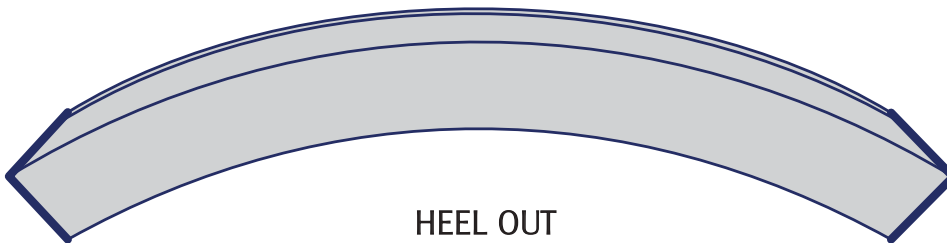
**LEG OUT**

Specify inside diameter and, if unequal, which leg is out.



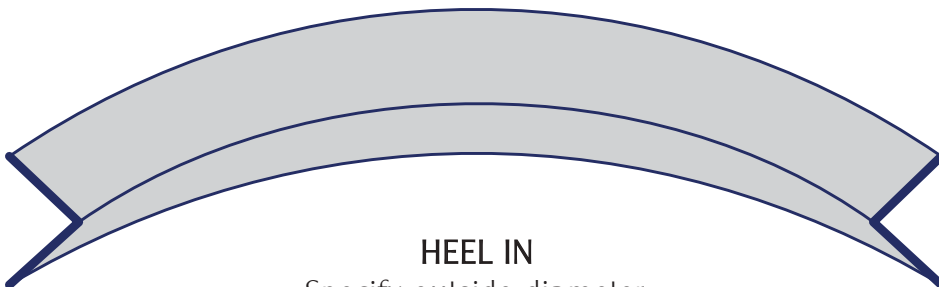
**LEG IN**

Specify inside diameter and, if unequal, which leg is in.



**HEEL OUT**

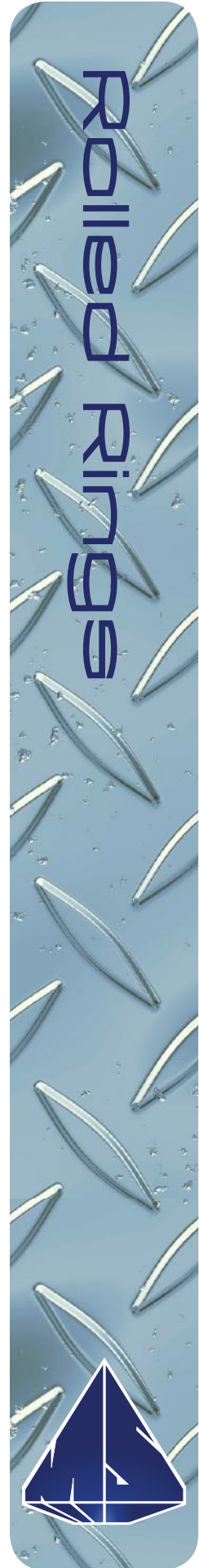
Specify inside diameter.



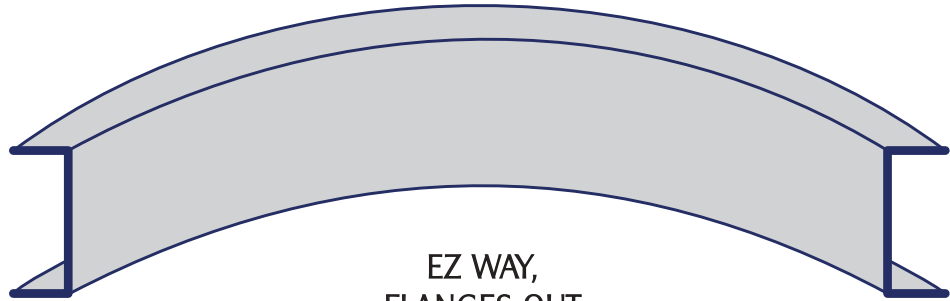
**HEEL IN**

Specify outside diameter.

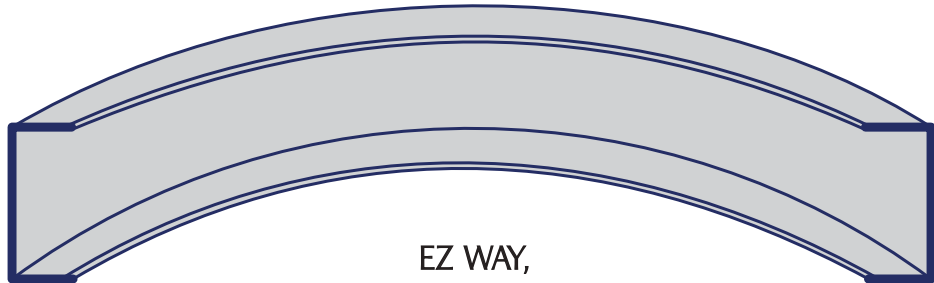




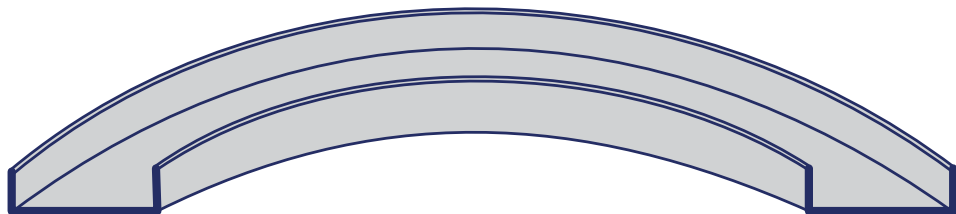
## CHANNELS



**EZ WAY,  
FLANGES OUT**  
Specify inside diameter..

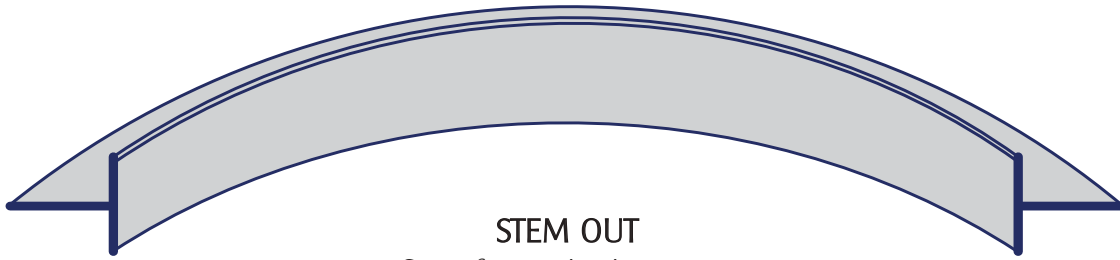


**EZ WAY,  
FLANGES IN**  
Specify outside diameter..

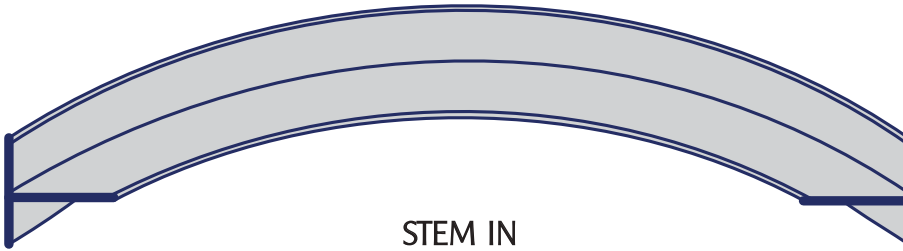


**HARD WAY OF WEB**  
Specify ID. or OD.

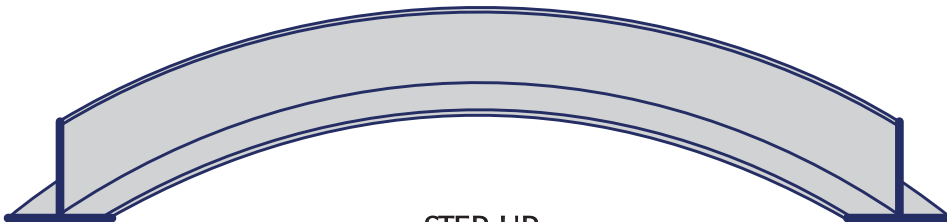
TEES



**STEM OUT**  
Specify inside diameter..



**STEM IN**  
Specify outside diameter..



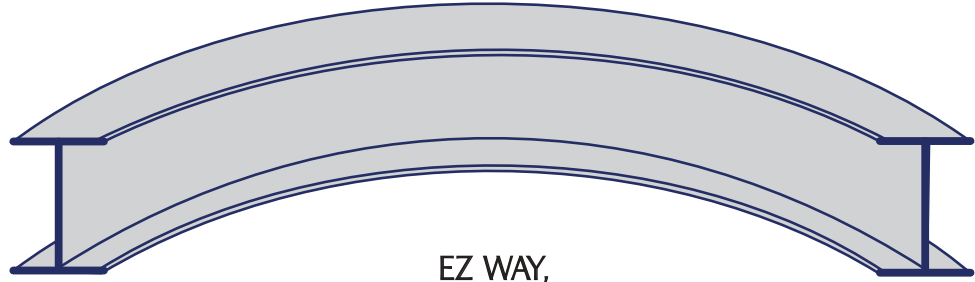
**STEP UP**  
Specify diameter of stem C/L.

Roller Rings

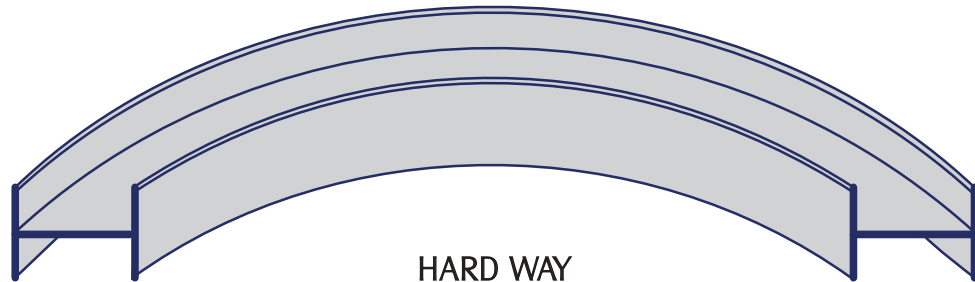


# ROLLED RINGS

## BEAMS



**EZ WAY,**  
Specify diameter of web C/L.



**HARD WAY**  
Specify ID. or OD.

## BARS



**EZ WAY,**  
Specify ID. or OD.



**HARD WAY**  
Specify ID. or OD.

