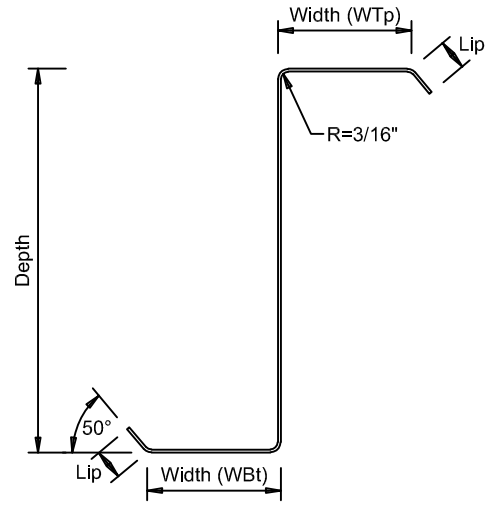
Section Properties - Zees



Available Sizes

Depth in	Width in	Available Gauges	Finish	Weight per Liner Foot
4	2.5	16	Galvanized	2.04
4	2.5	14	Galvanized	2.55
6	2.5	16	Galvanized	2.45
6	2.5	14	Galvanized	3.06
6	2.5	12	Galvanized	4.29
8	2.5	16	Galvanized	2.88
8	2.5	14	Galvanized	3.60
8	2.5	12	Galvanized	5.05
10	3.0	16	Galvanized	3.50
10	3.0	14	Galvanized	4.37
10	3.0	12	Galvanized	6.12
12	3.0	14	Galvanized	4.88
12	3.0	12	Galvanized	6.83
14	3.0	14	Galvanized	5.39
14	3.0	12	Galvanized	7.55

TOLERANCE STANDARDS FOR THICKEST METALS

Accumulation	.....(±) 1/16"
Radii	.....(±) 1/32"
Width	.....(±) 1/16"
Flanges	.....(±) 1/16"
Flare	.....2x THK per side angles
Flange	.....(±) 2 degrees
Lips	.....(±) 3 degrees
Camber	.....1/8" in 10'-0"
Ski	.....1/8" in 10'-0"
Dive	.....1/8" in 10'-0"
Twist	.....1/8" in 10'-0"
(Zee Only)	.....1/4" in 20'-0"

Net variation for combined dimensions
Twist is measured with the Zee laying on a flat surface under its own weight

Sectional Properties

Name	Depth	WTp	WBt	Thickness	Lip	Rad	Deg	Area	Wt	Yp	Ixx	SxTop	SxBot	Rxx	IycT	IycB	Syy	Ryy
	in	in	in	in	in	in	deg	in2	lb/ft	in	in4	in3	in3	in	in4	in4	in3	in
4Z16	4	2.5	2.5	0.06	0.69	0.188	50.000	0.600	2.040	2.000	1.638	0.819	0.819	1.653	0.58	0.58	0.40	1.40
4Z14	4	2.5	2.5	0.075	0.72	0.188	50.000	0.750	2.550	2.000	2.029	1.014	1.014	1.645	0.74	0.74	0.50	1.40
6Z16	6	2.5	2.5	0.06	0.69	0.188	50.000	0.720	2.450	3.000	4.133	1.378	1.378	2.396	0.58	0.58	0.40	1.27
6Z14	6	2.5	2.5	0.075	0.72	0.188	50.000	0.900	3.060	3.000	5.137	1.712	1.712	2.389	0.74	0.74	0.50	1.28
6Z12	6	2.5	2.5	0.105	0.77	0.188	50.000	1.260	4.290	3.000	7.108	2.369	2.369	2.375	1.05	1.05	0.71	1.29
8Z16	8	2.5	2.5	0.06	0.76	0.188	50.000	0.847	2.880	4.000	8.156	2.039	2.039	3.102	0.62	0.62	0.42	1.21
8Z12	8	2.5	2.5	0.105	0.83	0.188	50.000	1.483	5.050	4.000	14.097	3.524	3.524	3.083	1.10	1.10	0.74	1.22
8Z14	8	2.5	2.5	0.075	0.78	0.188	50.000	1.059	3.600	4.000	10.153	2.538	2.538	3.096	0.78	0.78	0.52	1.21
10Z16	10	3.0	3.0	0.06	0.76	0.188	50.000	1.028	3.500	5.000	15.311	3.062	3.062	3.86	0.97	0.97	0.56	1.37
10Z14	10	3.0	3.0	0.075	0.78	0.188	50.000	1.284	4.370	5.000	19.081	3.816	3.816	3.854	1.22	1.22	0.70	1.38
10Z12	10	3.0	3.0	0.105	0.83	0.188	50.000	1.798	6.120	5.000	26.549	5.310	5.310	3.843	1.73	1.73	0.99	1.39
12Z14	12	3.0	3.0	0.075	0.78	0.188	50.000	1.434	4.880	6.000	29.400	4.900	4.900	4.527	1.22	1.22	0.70	1.30
12Z12	12	3.0	3.0	0.105	0.83	0.188	50.000	2.008	6.830	6.000	40.962	6.827	6.827	4.516	1.73	1.73	0.99	1.31
14Z14	14	3.0	3.0	0.075	0.78	0.188	50.000	1.584	5.390	7.000	42.588	6.084	6.084	5.185	1.22	1.22	0.70	1.24
14Z12	14	3.0	3.0	0.105	0.83	0.188	50.000	2.218	7.550	7.000	59.390	8.484	8.484	5.174	1.73	1.73	0.99	1.25

*Thickness indicated represents design thickness. Minimum deliverable bare steel equals 0.095 x design thickness in accordance with section A3.4 of AISI Specification of minimum steel thickness in inches.