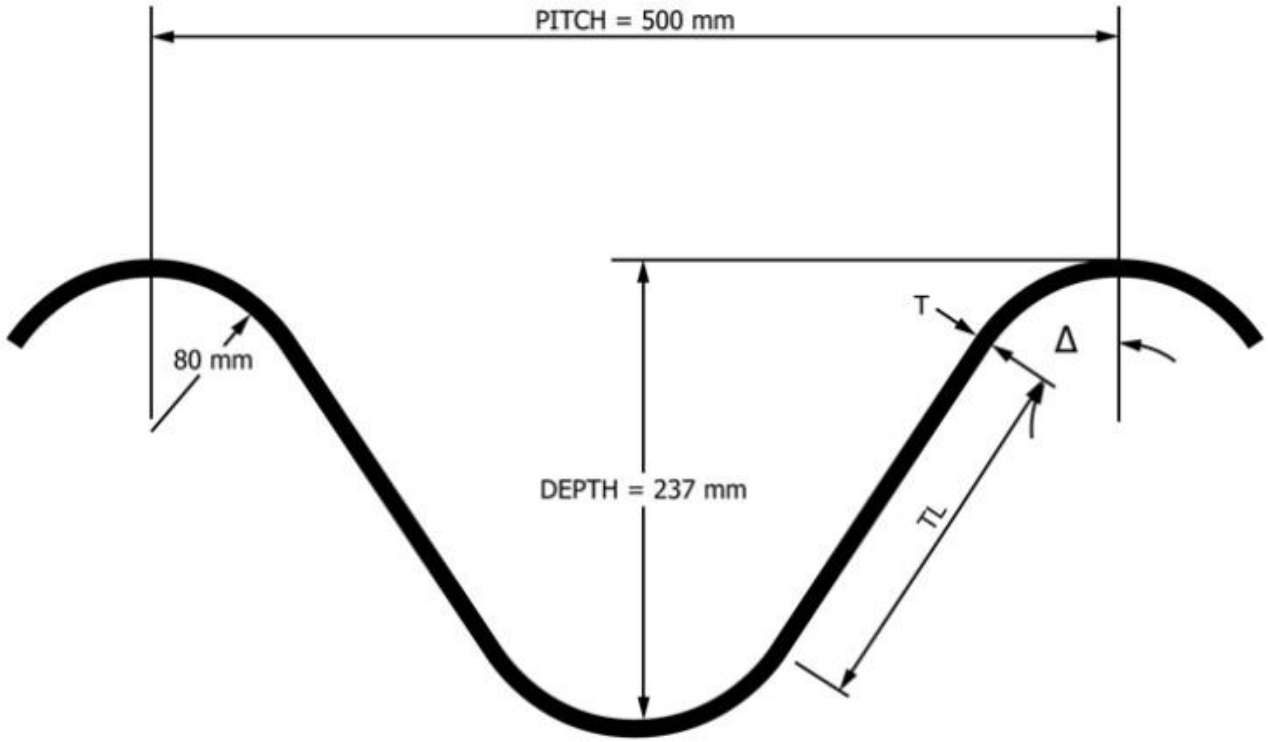
TABLE 37 Sectional Properties of Corrugated Steel Plates for Corrugation: 500 by 237 mm (Annular) [SI units]

NOTE 1—Dimensions shown in the figure are exact values used in calculating the section properties. Nominal values, to some of these dimensions, are used in other places in this practice.



Specified Thickness, mm	Area of Section, A, mm^2/mm	Tangent Length, TL, mm	Tangent Angle, D, °	Moment of Inertia, mm^4/mm	Radius of Gyration, r, mm	Ultimate Strength of Bolted Structural Plate Longitudinal Seams in kN per m of Seam, 12 Bolts per Corrugation[A]	Bolt Diameter, mm
7.11	10.627	198.8	55.7	70 803.75	81.62	3079	22
8.10	12.144	197.6	55.8	81 036.10	81.69	3517	22
9.65	14.509	195.6	55.9	97 031.45	81.78	4203	22

[A] The number of bolts per corrugation includes the bolts in the corrugation crest, tangent, and valley; the number of bolts within one pitch. The ultimate seam strengths listed are based on tests of staggered seams in assemblies fabricated from panels with a nominal width of 1 000 mm and include the contribution of additional bolts at the stagger. The listed ultimate seam strengths are only applicable for panels with a nominal width of 1 000 mm and staggered seams.