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CONTINUOUS OMEGA COIL



Technically Superior

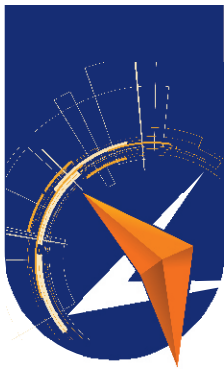
Time Saver

Cost Effective

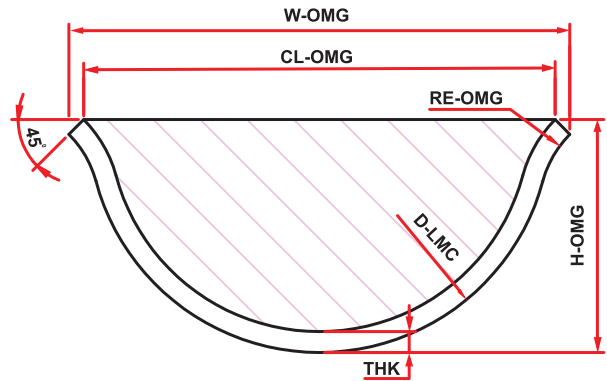
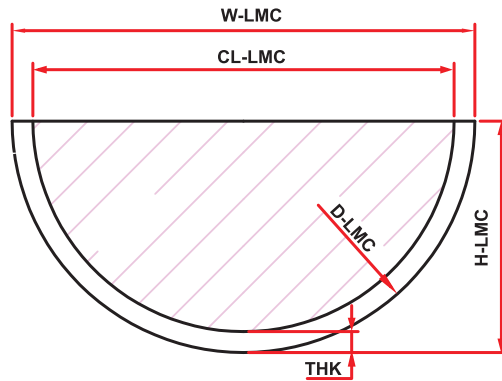


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Omega Section



Advantages

Additional advantages of 'Omega Section' continuous cold roll formed limpet coil

C/S Area	1-2% Higher
Contact Length	10-15% Higher
Weight	1-2% Higher

Technical Advantages

Profile with Weld Edge : Omega section is designed to completely eliminate weld edge preparation process prior to welding of limpet coil.

Efficiency : Omega cross-section have higher heat transfer area compared to half round cross-section; Which provides around 10-15% better efficiency.

Higher Pitch : While depth of the Omega section is similar to half round section but width is higher, which would result in 7-8% higher pitch.

Burr Free Profile : Elimination of grinding/machining would also result in elimination of burr generation during such processes which is one of the sources for beginning of contamination.

Better Suited for Full Penetration Welding : As the profile offers point contact with the shell, it offers better prospects for full penetration welding.

No Weakening of Section : Unlike conventional method of weld edge preparation where material is removed by grinding/machining, omega profile provides weld edge without material removal. Hence weakening of section does not happen.

No Material Loss : As no grinding/machining in weld preparation, base material is not wasted.

Cost Benefits

Material Saving : Due to better heat transfer efficiency, total length of limpet coil required for desired heat transfer reduces which saves material and in turn cost of the project.

Saving in Consumable Cost : As no grinding/machining in weld edge preparation, cost of consumable for these processes is saved.

Saving in Labor Cost : As the entire process of weld edge preparation is eliminated, labor cost is also saved.

Time Saving

Omega Limpet Coil offers significant time saving compared to conventional method as weld edge preparation process is eliminated.



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