

Uncut Toroidal Cores

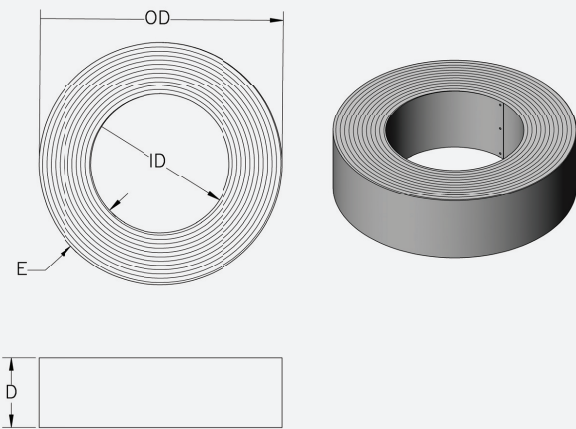
Continuously wound Toroidal cores can be supplied for use in the manufacture of current transformers (CTs), or small power transformers. Typically, such cores are manufactured from grain-oriented steel and fully stress relief annealed. The appropriate grade is selected to match the desired performance requirements.

For measurement CTs, the selection criteria is generally permeability at low flux density, typically 0.01 tesla, whereas with small power transformers the selection criteria is usually core loss, typically at a flux density of approximately 1.5 to 1.6 tesla – although that can vary depending on the over-voltage

criteria. Cores are tested to an agreed-upon, client specification flux density at 60 Hz. Cogent has test capability as well as full traceability back to the point of origin. The feasibility of any particular combination of dimensions will be verified at the time of an enquiry.

Options	
Shape	Round or rectangular
End caps	Client end caps can be fitted prior to shipment
Coating options	(a) Epoxy edge bonding to fix shape and retain best performance (recommended on large diameter and/or small-build cores) (b) Epoxy powder coated to a nominal thickness of 0.025" (maximum core weight = 10 lb)
Bracket/boxes	Mounting hardware can be fitted by special arrangement

1-Toroid



2 -Toroid, Formed Tranco

