



**Condron Concrete
Works**

CONDRON TWINWALL DUCTING



**Ducting solutions for civil
engineering and building projects**

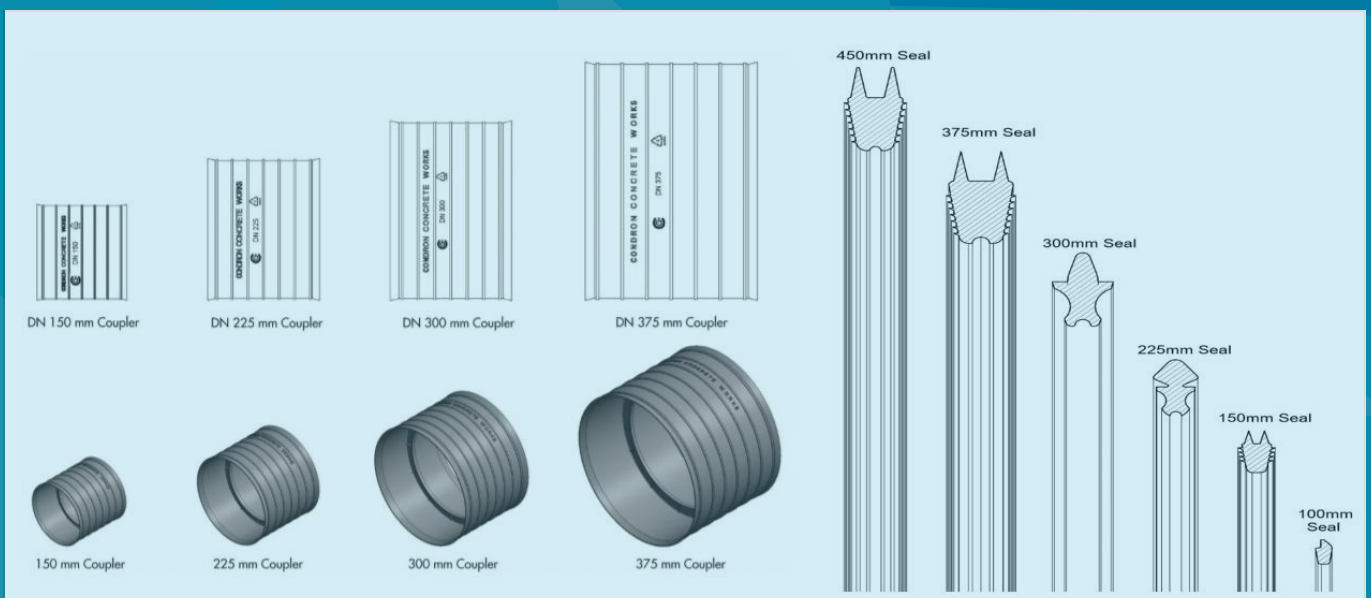
Technical Data

DESCRIPTION	INTERNAL DIAMETER (MM)	OUTER DIAMETER (MM)	QUANTITY/ PACK
94mm Duct (6 metre length including cuff/coupler)	94	110	100
100mm Duct (6 metre length including cuff/coupler)	100	116	77
150mm Duct (6 metre length including cuff/coupler)	150	175	36
225mm Duct (6 metre length including cuff/coupler)	225	260	14
300mm Duct (6 metre length including cuff/coupler)	300	345	8



Product Features

1. The ducts are manufactured using a Twinwall extrusion process giving increased strength and long term durability for on-site conditions.
2. The outer wall is corrugated and the inner wall has a smooth finish. Condron Twinwall Ducts are laid in accordance with TII Specifications Series 500 and 1400.
3. Ducts are joined using couplers that are supplied in black only. Couplers consist of a single smooth wall interior and ribbed exterior. Soil tight joints are made by fitting directly into coupler and watertight joints are easily achieved by applying supplied rubber seal with lubricant onto first corrugation.
4. Couplers and the associated seal drawings can be seen below:



Quality



Quality Control Testing







- Appearance (visual inspection)
- Dimensional accuracy
- Impact resistance
- Short term stiffness

The **High Density Condron Twinwall Duct** is designed in accordance with **EN 61386** for **450N** and **750N strength class** which are suitable for all general ducting requirements such as **street lighting, fibre optics, telecommunication, electrical and other supply services.**

Certification

Condron twinwall ducting has been independently tested and certified to comply with the requirements of EN 61386-24: 2010. A copy of the certificate can be downloaded from our website or [click here](#).

Ducting colour identification

	Black/Red	Electricity/Power
	Orange	Street lighting/ Traffic signal
	Purple	Motorway communication
	Yellow	Gas
	Blue	Water
	Green	CCTV
	Grey	Telecommunications

Quality

During production there is continuous quality control on all critical parts of the production process to ensure wall thickness, internal diameter, weight, external diameter and that socket diameters are all within dimensional tolerances.

In our purpose built lab, continuous assessment is carried out for melt flow index, ring stiffness, ring flexibility, impact resistance, heat resistance, internal pressure tests and jointing tests to the latest International and European Standards. Sealing rings are certified to EN681 and designed to exceed 0.5bar while under deflection and shear

Condron Twinwall Ducts are certified to EN61386:2011. Certification issued by ITC (certificate no.20 00971).



Advantages

- Designed, manufactured and tested in accordance to EN61386-24
- High Density Twinwall design offered in 450N and 750N strength classes
- Lightweight 6m lengths offer increased efficiency in handling and installation
- High chemical resistance
- Soil tight and water tight joint option
- Full range of fittings available (T, Y, Bends, Reducers)
- Identification colours available on request

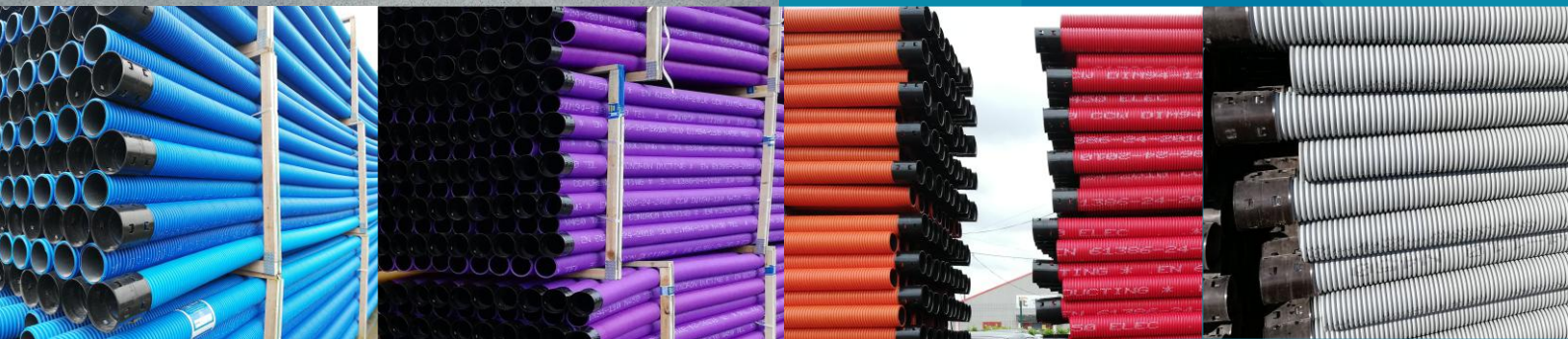
Accessories

A comprehensive range of accessories is available for the Condron Twinwall Ducting system including couplings, T-junctions, Y-junctions, bends, as well as repair couplings and pipe lubricant.



About us

CONDRON CONCRETE WORKS is a 100% Irish owned Private Company founded in 1969 by John Condron. It is located just outside Tullamore, Co. Offaly, Ireland. The company manufactures concrete pipes, manholes (standard & customised) and gully traps, plastic twinwall drainage pipes, land drains and ducting, as well as concrete roof tiles and accessories.



Further information

For further information on our range of products and installation guides, please contact us or visit www.condronconcrete.ie

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Condron Concrete is continually innovating and improving its products and services. Therefore, we reserve the right to change product specifications without notice. Please contact us for the latest information or visit www.condronconcrete.ie

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