

niglon

Earthing

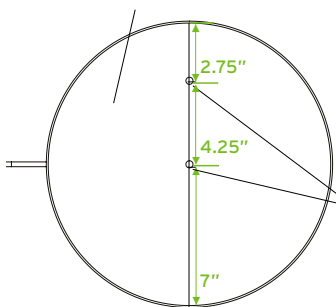
CONDU
DISC FLEX

NEDF Earthing disc

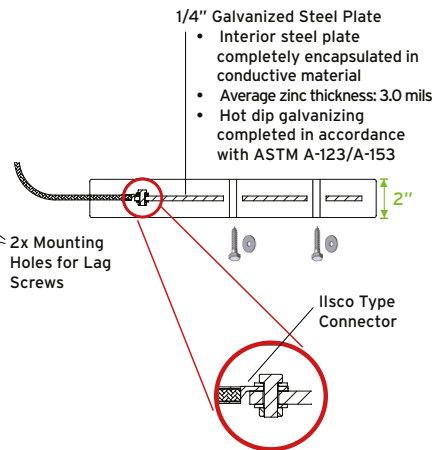


Technical Drawing

Top View



Side View



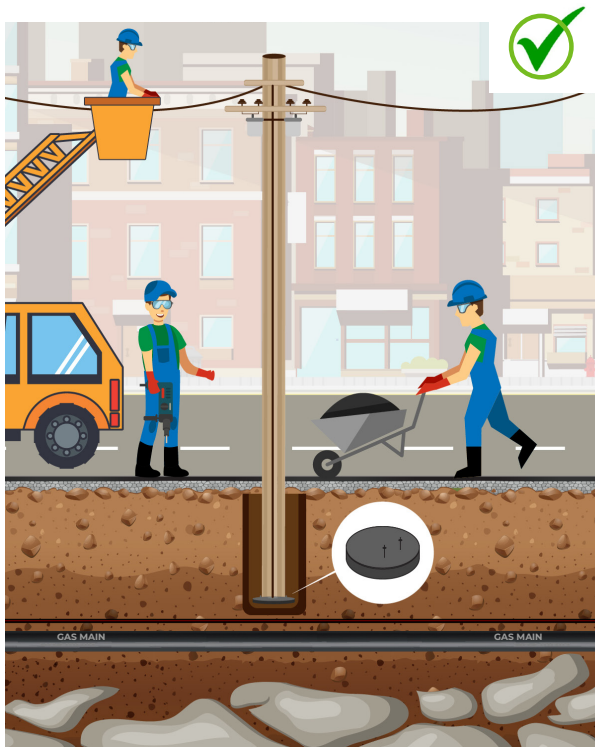
Technical Specifications

Physical state	Black Soil								
Water Permeability	1.72 x 10 ⁻⁷ cm/sec ASTM D5084 (2.6psi)								
Flammability	No ignition - Exposed to a propane torch (~2000°C) for 60 seconds								
Electrical Corrosion Resistance	Copper 100% Steel 98.09 % Galvanized Steel 99.91%								
Compatibility	Copper Yes Steel Yes Galvanized Steel Yes								
Environmental Impact	Neutral - Ontario Regulation 558/00 (Leachate Testing)								
Freeze-thaw withstand	30 Years								
Elastic Compression	<table> <tr> <td>700kg</td><td>2.2 (4.3) mm %</td></tr> <tr> <td>12000 kg</td><td>2.6 (5.1) mm %</td></tr> <tr> <td>14500 kg</td><td>3.0 (5.9) mm %</td></tr> <tr> <td>16771 kg</td><td>3.1 (6.1) mm %</td></tr> </table>	700kg	2.2 (4.3) mm %	12000 kg	2.6 (5.1) mm %	14500 kg	3.0 (5.9) mm %	16771 kg	3.1 (6.1) mm %
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Maximum Load Applied	16 771 kg								



NEDF Earthing disc

Earthing disc v Earth Rod



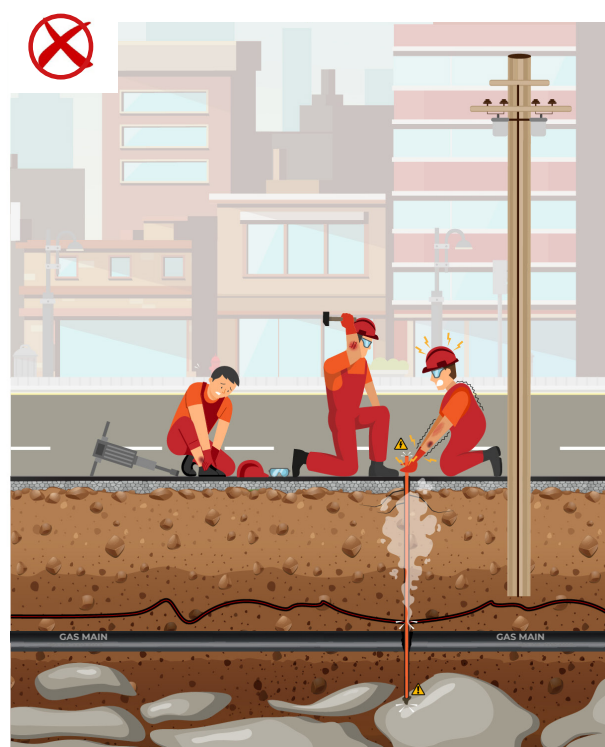
Does not corrode and will last for the lifecycle of the equipment it is attached to.

ConduDisc eliminates the need for additional locates.

One ConduDisc is equivalent to surface area of a 10 ft ground rod.

Simple and efficient installation system.

ConduDisc is versatile and can be installed with wood, composite, concrete and steel poles.



Requires replacement every 15 years on average due to corrosion.

Ground rod installations risk hitting buried infrastructure, which can be fatal or result in life-changing injuries.

Several ground rods may be required to match ConduDisc performance.

Increase safety risk to employees and the public, when corroded.

Require additional locates and can't be installed in rocky terrain.