NB CONDUIT SPECIFICATIONS

NB Conduit specifications and (h) threads available : NPT & BSP

| Size: mm | Conduit Size: | Outside Diameter: | Inside Diameter | Wall Thickness: | |
|----------------|---------------|-------------------|-----------------|-----------------|---|
| 20mm NB Rigid | 20 mm | 26.9 mm | 20 mm | 2.6 mm | |
| 25mm NB Rigid | 25 mm | 33.7 mm | 25 mm | 3.2 mm | Manufactured to AS1074/AS1163 |
| 32mm NB Rigid | 32 mm | 42.4 mm | 32 mm | 3.2mm | Grade: C350 LO |
| 40mm NB Rigid | 40 mm | 48.3 mm | 40 mm | 3.2 mm | Standard Lengths: |
| 50mm NB Rigid | 50 mm | 60.3 mm | 50 mm | 3.6 mm | 6.5mtrs. & 3.25mtrs Finish: |
| 65mm NB Rigid | 65 mm | 76.1 mm | 65 mm | 3.6 mm | Galvanized to AS4750 |
| 80mm NB Rigid | 80 mm | 88.9 mm | 80 mm | 4.0 mm | Threads Available: NPT or BSP Tapered. |
| 100mm NB Rigid | 100 mm | 114.3 mm | 100 mm | 4.5 mm | |

This product is not meant for use in high pressure applications.

Storage: It is highly recommended that Steel Conduit be stored in a dry area until used.

Application: WMIS Conduits can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations. It provides excellent mechanical protection for the conductors while reducing Electro-Magnetic field exposure, Rigid steel conduits are Non propagating therefore offering greater protection of cables in case of fires.

WMIS tube listed is manufactured by cold forming and electric resistance welding and is tested to the following Australian standards.

Hollow sections listed may be used for structural purposes and have been manufactured to meet:

- (a) AS1163-1991 Structural Steel hollow sections.
- (b) AS1074-1989 Steel Tubes and Tubulars for ordinary service.
- (c) Steel Grade: C350LO
- (d) Yield strength (MPa) min: 350
- (e) Ultimate Tensile Strength (MPa) min: 430
- (f) Minimum elongation (%) where gauge length = 5.65^*

Advantages of using WMIS Rigid Steel Conduits

- (a) Better corrosion resistance.
- (b) Greater resistance to mechanical or electrical damage.
- (c) Stronger mechanical support.
- (d) Better protection under exposure from the sun, cyclones, rain and wind.
- (e) Greater protection against fires
- (f) Better dissipation of heat.
- (g) Non propagating material therefore greater protection of cables in case of fires.

Suppliers Description and physical characteristics of the conduit are summarized as follows:

- (a) The Conduit is produced as tube from Cold-Formed Structural Steel Hollow Sections steel strip.
- (b) Both sides of the feed strip for tube are coated with electro deposited zinc.
- c) The strip is mechanically cleaned and descaled prior to electro coating with zinc.
- (d) Steel is processed in accordance with AS1074.
- (e) Steel conforms to AS1163 350LO.
- (f) Zinc coating conforms to AS4750-2000 and a clear water based polymer coating called Clear-Tec to the external surface of ALLGAL which provides additional shelf life protection. Total coating thickness of ALLGAL plus CLEAR-TEC is 11 microns.

Conduits are produced in wall thickness that meet or exceed those specified, providing suitability for use in AS2053.7 conforming Electricald type couplings, roll-groove type couplings, and fittings of suitable diameter. Additionally, they are suitable for joining by shouldered end coupling, or by appropriate screw threading techniques, or butt welding.