

Technical Information

The SS 322 Singapore standard specifies performance and mechanical requirements for metal clamps which are used to provide mechanically and electrically sound means of earthing and/or bonding, and which are primarily intended for use in electrical installations for the connection of:

- a) earthing conductors, having a cross-sectional area in the range 2.5 sq. mm to 70 sq. mm to earth electrode rods or other means of earthing;
- b) bonding conductors to metal tubes of circular cross-section that have circumference of not less than 18.8 mm (i.e. diameter of not less than 6mm)

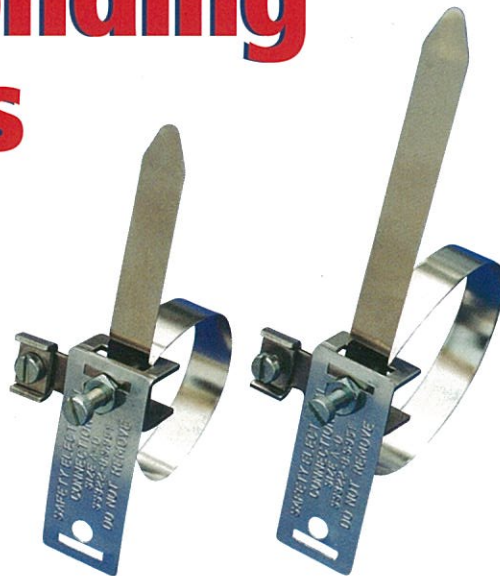
Note: Tube means metal conduit, pipe or rod

Spinne earthing clamps are designed and manufactured to meet the requirements of SS 322.

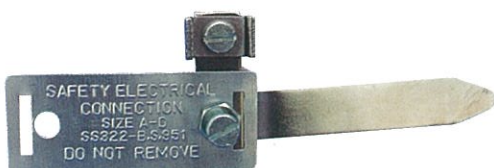
- 1) In general, the clamp shall comprise:
 - a. a device for making electrical contact with the tube;
 - b. a means of tightening the device on to the tube;
 - c. a means of locking the arrangement given in item b);
 - d. a termination separate from the arrangement given in item b) for attaching the protective conductor to device given in item a).
- 2) Each clamp shall be provided with a label to warn its removal. The label shall have a means of being securely fixed to the clamp or protective conductor.
- 3) The clamp shall be such that effective electrical and mechanical contact can be made and maintained between it and tubes.
- 4) The termination shall be such that effective electrical contact can be made and maintained between the clamp and an attached protective conductor.
- 5) Warning label—
A permanent label provided with each clamp shall be durably marked with the words **"SAFETY ELECTRICAL CONNECTION—DO NOT REMOVE"** in addition to the Singapore standard and trademark.
- 6) With the exception of the warning label, all components shall be made of metal. No part be made of ferrous metal other than austenitic stainless steel.

Spinne Earthing and bonding Clamps

- Designed to BS 951 and SS 322
- Available in 3 different length to suit rod/pipe diameter of
12mm – 32mm
32mm – 50mm
50mm – 75mm
- The metal used in the Spinne clamps is of a good resistance level to the corrosion that is encountered in service
- Terminal reference and conductor size:
A – D
2.5sq. mm – 10sq. mm



LIST NO.	DESCRIPTION	PACK QUANTITY
SPEC 15	For rod diameter 12mm – 32mm	20
SPEC 15/2	For rod diameter 32mm – 50mm	20
SPEC 15/3	For rod diameter 50mm – 70mm	20



For more information call: