

**1.Scope**

The equipment illustrated in Figs 1 to 6 provides portable earthing for maintenance in accordance with the CEEB Safely Rules and National Safety Code of Practice SR-EM 21.

**2.Design and Construction**

Both Line end clamp and earth end clamp are designed with an ultimate strength well in excess of normal working loads and all designs are type tested at normal loading before being approved.

**3.Equipment**

**3.1-Line End Clamp**

This is designed to make positive line contact with the spherical stub no matter what the angle of application and it should be applied by means of the operating socket Fig 6 attached to the appropriate insulated operating pole.

**3.2-Earth End Clamp**

This should be applied by hand to the appropriate earth bar to the maximum torque possible without the use of mechanical aids.

**3.3-Operating Socket**

Made in light alloy and illustrated in Fig 6 and is fitted with an enclosed spring to give a positive hold to the conductor clamp when it is being applied.

**3.4-Operating Poles – Insulated**

These are limited in length to a maximum of 2440mm. There are two types.

1. A 1220mm long top section fitted with the appropriate socket, plus a 1220mm bottom section Figs 7a & b.
2. A 2440mm long telescopic pole also fitted with the appropriate socket but capable of closing down to 1220 mm for ease of transportation. Fig 7c.

**3.5-Earth Leads**

Only cables by approved manufactures and fitted with approved compression lugs shall be supplied for the

earthing lead connection between the conductor clamps and earth end clamps.

The flexible conductor shall be stranded 312/0.45mm aluminium (50mm<sup>2</sup> aluminium) with clear /green translucent PVC sheathing to an overall diameter of approximately 12.4mm.

**4.Certification of clamps and cables.**

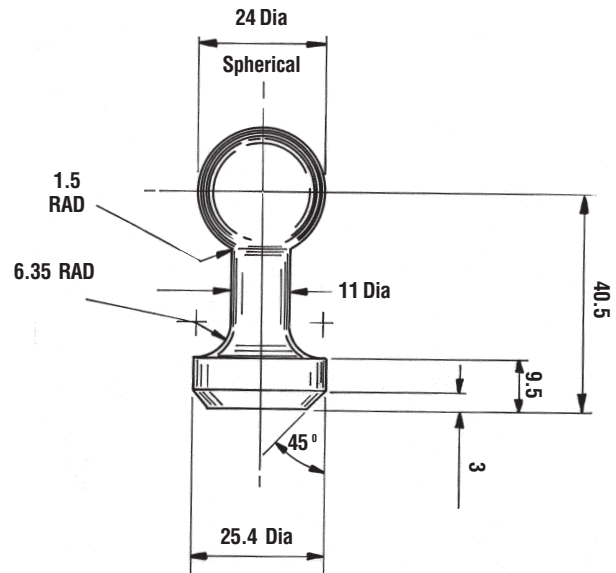
All completed equipment i.e. conductor clamp, earth clamp and interconnection lead are to be subjected to a resistance test as appropriate.

*All measurements in millimeters*

Stub ST/M.S./225/1

**Fig. 1.**

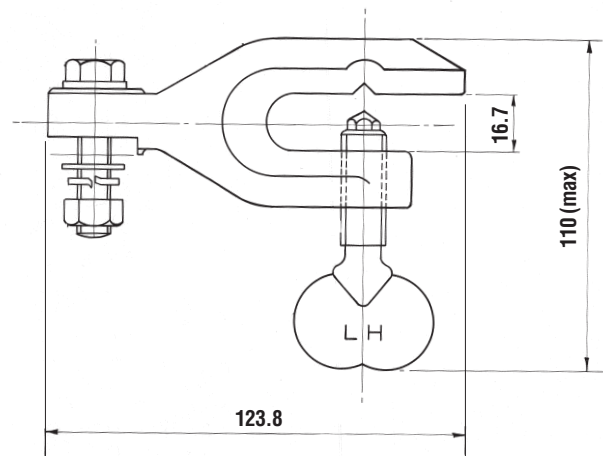
Code ST/M.S./225/1  
 Stub – Weld on type



Earth Clamp CE10/GS

**Fig. 2.**

Code CE10/GS/A/225/3  
 Earth End Clamp  
 Max Conductor 15.9 mm (5/8")



All sizes are in Millimetres