OVERHEAD LINE FITTINGS (U.K.) LIMITED

INSULATOR FITTINGS

Section B

BALL ENDED FITTINGS

SOCKET ENDED FITTINGS

SHACKLES

YOKE PLATES

SAG ADJUSTER SETS AND MAINTENANCE LINKS

LINKS AND PLATES

ARCING HORMS, CORONA SHIELDS AND RINGS

MISCELLANEOUS
Overhead Line Fittings (UK)
Limited offers a comprehensive range of insulator fittings to suit all types of line constructions and voltages ranging from distribution up to 500kV and above.

Insulator Fittings

Standard fittings to BS 3288 Part 2 are embraced within the available range together with the newer and more specialised items now required (particularly in the UK) for Twin, Triple and Quad conductor configurations using the larger AAAC conductors (Araucaria and Redwood).

Fittings with ball and socket couplings are in accordance with BS 3288 Part 3 and BS EN 60120 with, where appropriate, locking devices in accordance with BS 3288 Part 4 and BS EN 60372.

Ball and socket and clevis and tongue fittings to other National/International Standards such as ANSI can similarly be provided upon receipt of detailed enquiry.
Arc horns and corona rings for all voltages and applications are available from the comparatively basic 12mm. and 16mm. rod type through to the complex tubular designs as used on 400kV sets. All arc horns are (Sample and Routine) mechanically tested as appropriate.

A range of miscellaneous fittings used in a variety of applications is available including turnbuckles, eye bolts, dropper plates and many other specialised items.

**Corrosion Protection**

All ferrous fittings, with the exception of those manufactured in stainless steel, are hot dip galvanised to BS EN ISO 1461.

**Testing**

All insulator fittings are subjected to Type, Sample and Routine tests as applicable to the appropriate specification. In house mechanical test facilities using specialised calibrated and certified equipment allowing for tensile testing up to 500kN.
A range of ball ended fittings is available encompassing ball hooks, ball eye links, ball clevis and ball tongues. Ball and shank sizes range from 11mm. up to and including 28mm. with failing loads of between 20kN and 400kN.

Sockets are available with either the 'W' shaped locking device or the split pin type locking device- all in accordance with BS 3288-4 and BS EN 60372.
Socket ended fittings include socket tongues and socket clevis types with socket sizes ranging from 16mm. up to and including 28mm. with failing loads of between 70kN and 400kN.

Sockets are available with either the 'W' shaped locking device or the split pin type locking device- all in accordance with BS 3288-4 and BS EN 60372.
A comprehensive range of traditional round and square section shackles is available with failing loads of between 70kN and 300kN.

More specialised shackles for tower connection can also be provided upon receipt of full technical requirements.
Yoke plates for all types of constructions and conductor configurations are available. These range from the simplistic 15/22 design rated at 70kN to the more complex designs for triple insulator strings and quad conductors rated at 800kN.
Conventional 400kN, 300kN, 190kN and 125kN Sag Adjuster Sets, Plates and Maintenance Links required to provide adjustment to insulator/conductor sags and the necessary interface between the tension set, tower and maintenance equipment are contained within the range of fittings available from Overhead Line Fittings (UK) Limited.

The majority of types and designs available are based on current UK maintenance procedures and practices. However, non standard designs can similarly be provided on receipt of full technical details.
A variety of steel plates and link arrangements including landing plates, single straight links, cranked link assemblies, parallel link assemblies, and crossarm link assemblies are available. Where special link arrangements are required, our engineering staff will be pleased to advise on all aspects of design and testing.
Corona shields and rings for all transmission applications are available together with corona rings for use on 275kV/400kV sub station post insulators.
The arc horns shown above are typical designs for use on voltages up to and including 132kV.
The arc horns illustrated here are typical tube type suitable for voltages up to and including 400kV.
Overhead Line Fittings (UK) Limited provide a range of miscellaneous fittings which are used in a variety of applications. These include turnbuckles, eye bolts, dropper plates, tower swivels, anchor attachments and many other specialised items.