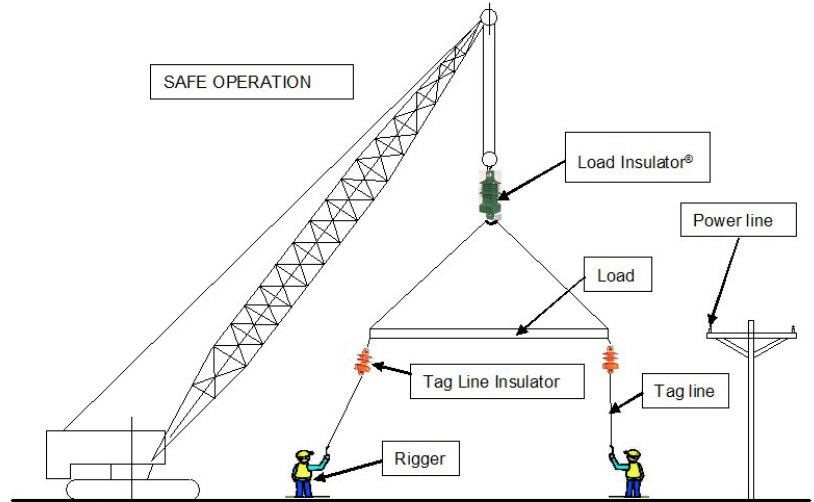




# TAG LINE INSULATOR®



All tag lines, including polyprop, (polypropylene), can conduct enough high voltage electricity to kill you, especially when damp or dirty.

For this reason a Tag Line Insulator® must be fitted at all times. Don't wait till you are working near to a power line but get used to fitting it on every job. Don't make a fatal mistake.

The Tag Line Insulator® is a safety device that helps protect ground personnel, in contact with the tag line, reducing injury or death in the event of a crane making contact with overhead energized power lines.

- ✓ Don't wait till you are working near to a power line but get used to fitting it on every job.
- ✓ Any voltage can be produced to special order.
- ✓ 3Lb weight and 8" hole centres

## The Problem of Electrocutation

Accurate and consistent research shows that at least 100 crane power line contacts occur per year. Government and independent data agree that such crane power line contacts are consistently the largest single cause of crane fatalities over the last 25 years although the Federal regulations expressly prohibits a crane from contacting power lines. Operator training can modify the rate of fatalities but cannot stop the underlying causes of crane power line contacts. The cause is simply the human's inability to distinguish a power line as a visually impaired object. Crane operators do not intentionally kill their co workers or disobey Federal regulations. When contact is made with power lines the 'fortunate' people are killed outright, however normally they die a slow and painful death.

# TAG LINE INSULATOR®

In 50% of incidents riggers have survived with horrendous injuries with loss of limbs, severe burns, internal tissue damage, and paralysis. These deaths and injuries are sustained by the riggers, who are in contact with the load being lifted when part of the crane contacts an overhead power line and the current passes through the rigger to ground. The roadside distribution, line to line, voltage is typically less than 33,000 volts. This results in a line to ground voltage of 24,000 volts to which the rigger would be exposed.

The crane driver positioned in a cab is safe from electrocution as the cab acts as a "Faraday cage" and the voltage flows around the cab to ground. If the crane driver leaves his cab and exits the crane he puts himself in the same danger as the oiler. The oiler who may be leaning on the crane is totally unprotected and usually killed. At present these account for 15% of crane power line contact fatalities and unfortunately there is no solution at present to save these workers - however 85% can be saved using our Load Insulator® and Tag Line Insulator®.

Our products are manufactured in modern facilities by highly experienced personnel to the international quality assurance standard ISO 9000. Each

product is built to an International Manufacturer's Standard ensuring each and every unit will provide total satisfaction and performance. Each unit is warranted for five years against failure due to fault of manufacture or design.

These are safety devices that will save lives and potentially save money for the responsible crane operator. Legal precedents, and subsequent insurance company reaction, will undoubtedly penalize those who choose not to fit the product.

No crane should operate close to power lines without the protection of the Load Insulator® or Tag Line Insulator®, **protect your people, and protect your business with sound engineering.**

<b>MECHANICAL PERFORMANCE</b>	
<b>Safe Working Load, S.W.L</b>	Not for lifting
<b>ELECTRICAL PERFORMANCE</b>	
<b>Class</b>	1
<b>Rated Operating Voltage, R.O</b>	25kV rms
<b>Rated Test Voltage, R.T.V</b>	32 kV rms
<b>Rated Leakage Current, R.L.C</b>	Less than 0.1mA at 25kV
<b>Operating Temperature</b>	-40°C to +60°C
<b>Lightning Strike</b>	<b>Not lightning proof</b>