

SELF-ADJUSTABLE VARIABLE SLOPE DEVICE FOR SUPPORTING SLOPED BASE OBJECTS

Description:

At present, the terminal collars, used in high-power transformers in the high-voltage part, when they have not yet been assembled on the transformer cover, require that a series of previous operations be carried out on them that consist of manually carrying out the assembly of various elements and installations on the inside and outside of the collar. Sometimes, these jobs involve risks of accidents for the operators and long times in the assembly operations. Given the inclination, height and mass of these terminal collars, there is a risk of tipping over that could cause personal or material damage, bearing in mind that generally the collar must remain on the workshop floor for a long time. In this sense, the present invention refers to a self-adjusting variable slope device for supporting any type of object with an inclined base, and more specifically for supporting and supporting high-tension collars of the type that comprise a body. tubular with one of its bases inclined with respect to the axis of revolution of the body.

Keywords:

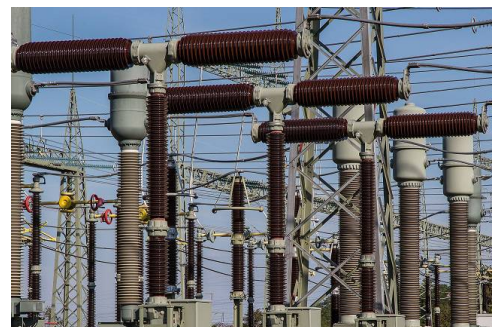
[Device](#), [Safety](#), [Transformers](#), [High Voltage](#), [Terminals](#)

Sectors:

[Engineering](#)

Areas:

[Mechanics](#)



Advantages:

Among the advantages of the present invention are: • Prevents occupational accidents for operators. • Avoids the risk of the terminal collars tipping over, avoiding material damage. • Reduces sub-assembly times by providing ergonomics in the process and thus facilitating its development. • It allows to develop a specific work on objects with an inclined base, be it welding, assembly, etc.

Uses and Applications:

This technology has its main application in the area of high voltage installations, since it facilitates the assembly operations of elements, as well as other installations, which is why it is especially aimed at companies in the transformer sector. Other possible applications are in companies where they have to assemble parts with an inclined base.

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