

The NeoCast Company manufactures a range of universal battery clamps designed for both cars and trucks. According to European Union regulations (ROHS 2002/95/WE) restricting the use of certain hazardous substances in electrical and electronic equipment, our products are **entirely lead-free** and consequently friendly both to people – and, notably, to the end-users who mount our products – and to the natural environment. It is worth mentioning that other alloys (e.g. brass) used to produce battery clamps contain lead as one of the basic alloy additives. The products manufactured by our company boast solid workmanship, high aesthetic qualities and possess outstanding mechanical properties ( $R_m > 300\text{MPa}$ ,  $A_5 > 20\%$ ), providing them with a long, trouble-free useful life. Our company only uses certified raw materials (metals and alloys) of optimum chemical quality. We closely monitor all the technological parameters of metal quality, temperature, etc., throughout the entire production process. All our products are subject to our strict quality control procedures. In order to ensure optimum mechanical properties during the manufacturing process, we add titanium to ensure a higher quality result in the end product. The mechanical properties are compared to a highly elastic alloy, e.g. brass.



**Crimp battery terminals**

The company NeoCast worrying about the high quality of its products as well as wanting to meet the expectations of customers, it asked the Motor Transport Institute (ITS) in Warsaw, asking for a jumper

cable of laboratory tests in order to obtain mandatory quality certification. Obtained accreditation will be confirmed comply with existing quality standards posed for this type of products in the countries of the European Union.

At this moment we can already clearly stated that a survey of jumper cable cross-section of  $35\text{mm}^2$ , confirmed its the high quality produced by our company. Laboratory tests performed at the current burden of 750A [sic!], showed that the jumper cables are characterized by high electrical conductivity in relation to other available on the market for this type of product - this means that high (for example, in the course of a car boot) the system will be characterized by efficiency by about 15% higher compared to other battery jumper cables, which in the case of difficult weather conditions, among others low temperature, will allow the smooth operation of motor vehicles. Are currently conducted only a formal work related to the preparation of relevant documents, which are necessary in the event that the mark by the ITS.



**Jumper cable in the course of the investigation.  
Current load: 750 A**