Vibration proof fastener system



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JSC AMEKUS exclusively represents the company UNALOCK in the Western and Eastern Europe, as well as in the countries of the post Soviet Union. JSC AMEKUS is actively promoting the "know-how" of the company for the introduction of vibration proof fasteners. To date, this system is truly revolutionary. It carries the unmistakable benefits for absolutely all areas of the industry and the economy, where there are objects that are subject to vibration and variable static and dynamic loads.

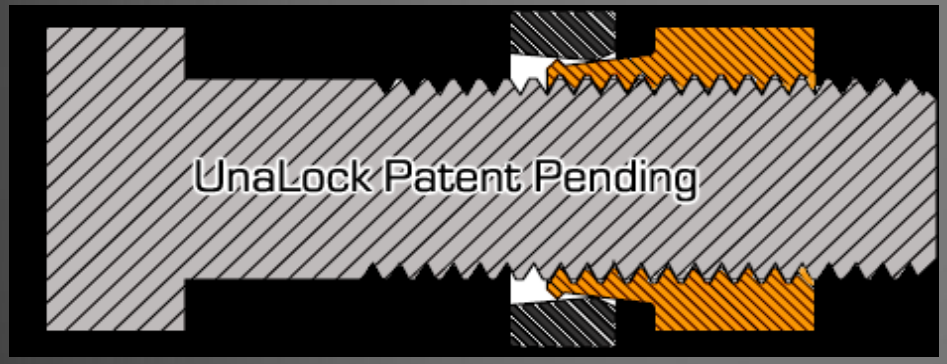


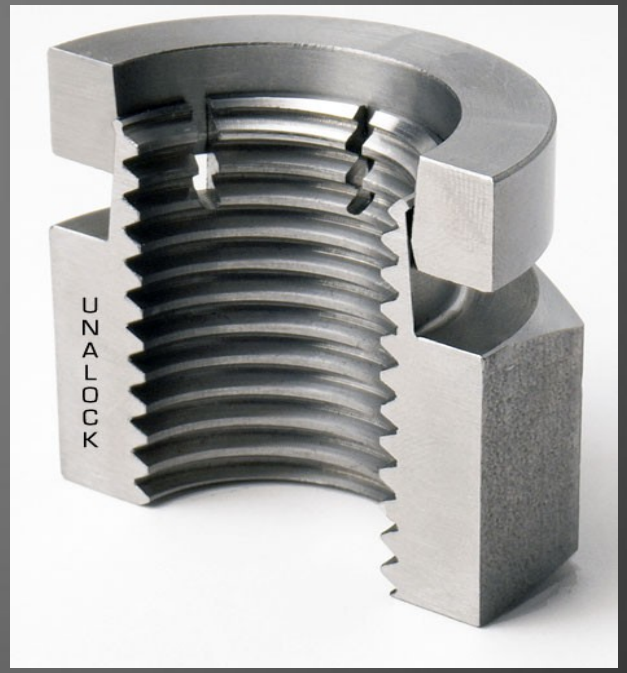


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The main element of any releasable attachment is a bolt or stud, nut and washer. The company AMEKUS presents a revolutionary vibration proof kit - nut with collet complete with special washer. This system of two separate parts have a name UNALOCK™ ® and is protected by patents in the world's major offices.





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This unique combination has an unprecedented resistance to alternating loads and vibration. We note the following advantages of this fastener:

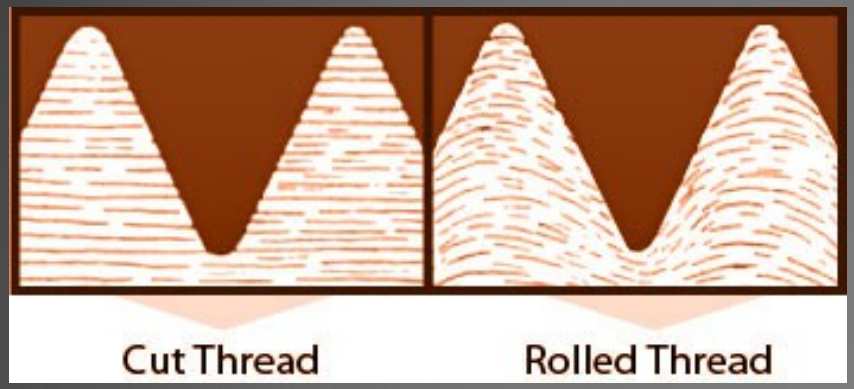
- high resistance to variable loads and vibrations;
- uniform load distribution;
- reduced risk of thread failure due to the longer nut body;
- reusable - keeping blocking force after a re-installation of the nut;
- requires no additional fixing parts or tools;
- flange of larger diameter increases the area of force distribution and reduces the load of compression;
- high corrosion resistance (can be made from inox or galvanized);
- easy assembly, the nut is easily screwed onto the bolt;
- reducing the cost of installation;

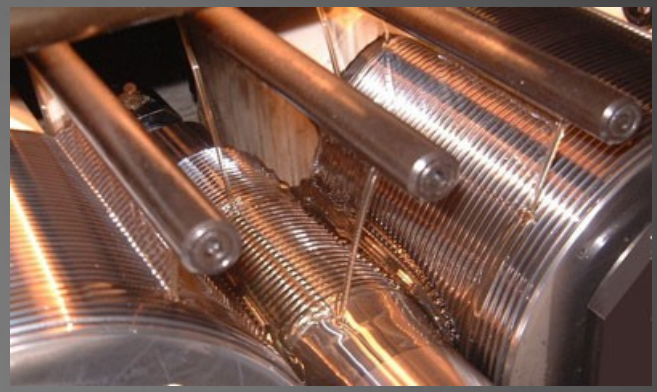


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The nut thread isn't cut but rolled, giving additional strength to the treated surface and durability.



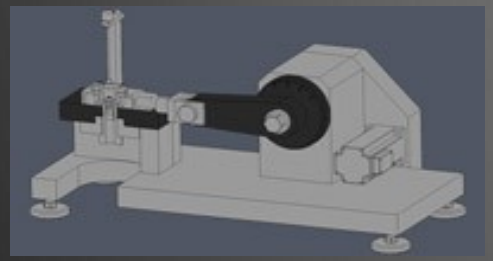


This UNALOCK™ fastener is very stable and can withstand the specified parameters at temperatures from -101 to +500 ° C.

This fastener can be easily disassembled. This makes it possible to use a combination (nut & washer), if contact surface requires a special grade of steel.

UNALOCK™ fasteners possesses unprecedented resistance to variable loads and vibrations. After 40'000 cycles of vibration, it does not lose the desired properties. In this case, a competitors pair of nut-washer from usual quality steel for the same time exposed to 5 times fold change.

All parameters and vibration resistance characteristics of fasteners were obtained from annual testing in laboratories with certificates of DNV, BV and the European Standard ISO 9001:2008, ISO 898-1:2009 and ISO 898-2:2009. UNALOCK™ products are certified by these classification societies:





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The fastener from UNALOCK™ may be made of any metal used by design organizations. Everything that you need is only to set properties and parameters of the mechanisms and assemblies. A pair of nut-washer can be galvanized or plated with various metals to achieve different properties required by the operation environment or a warranty period of mechanisms.





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The UNALOCK™ fasteners can be applied in various fields of engineering and industry. In combination with anti-vibration dampers, we can achive many years of secure production in vibration risk areas and save money and resources for maintenance in production sites.











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These fasteners can be successfully applied in areas of high vibration for various types of industrial and engineering equipment:

- Trucks and cars:



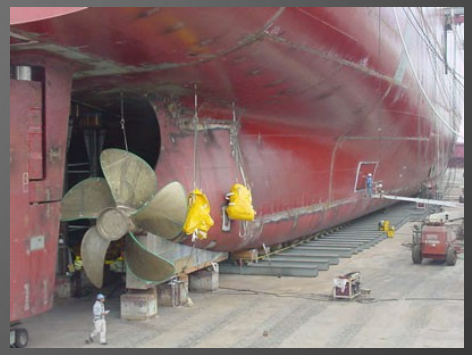




- Marine engines, pumps, compressors and diesel generators:





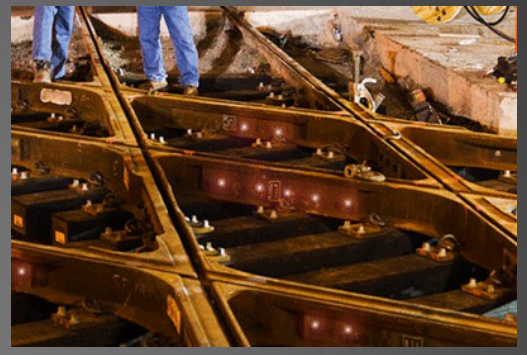


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- Railway industry:





- Aviation:





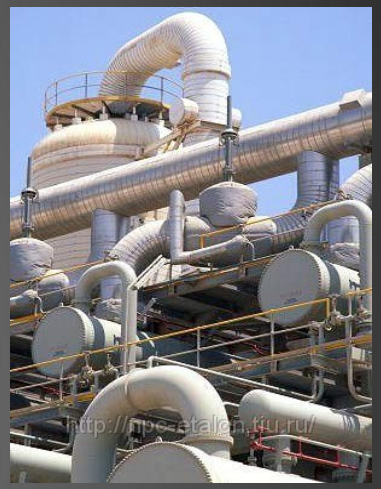

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- Pumping and power plants, industrial fans, cooling machines, machine tools from small to big, presses, wind turbines, agriculture:







- All types of conveyors and mining machinery:







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JSC AMEKUS since 2012, is actively promoting this revolutionary product to the markets of Europe and the post Soviet Union. We are ready to consider any proposal submitted from the customers for the fasteners supply. We are also ready to provide all the necessary technical parameters and information required or take part in the selection of these parameters for your project. The number of items being discussed with the customer in each case. The price depends on the quantity of order and technical parameters of the fastener.





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Thank you !

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