

## Development of Motiontite

When vibration test (NAS3350) is performed by tightening a normal screw with standard torque, it does not loosen easily in the case where the screw is a heat-treated bolt of strength class 8.8 or higher. However, for example, if vibration test of one-hundred screws is performed, there is a possibility that about one or two screws loosen early because of variation of an axial force. Manufacturers use adhesives or locknuts because of the loosening of the only one or two screws. Naturally, a cost will increase significantly as the number of the bolts increases. Nevertheless, today's trend of the public that seeks the safety is that the manufacturers should respond if there is a possibility of the loosening of only 1%.

Motiontite (trademark registered) is the product developed to eliminate the 1%. Variation of the axial force of Motiontite is about 1/2 of the standard product. Therefore, an extremely lowered axial force, which is a cause of loosening, is not applied. Further, Motiontite exerts a high anti-loosening power with an elastic force of a thread bending slightly.

There is no screw in the world that never loosens under any conditions. Even if abundant time and cost are invested in the future, development of such screw will not complete forever. However, there have been lots of screws that do not loosen under certain conditions. If Motiontite is the screw having the largest number of alternatives of the "certain conditions", the developers of Motiontite couldn't be happier. We really hope that Motiontite comes to be known to as many of you as possible and that you will have an experience of such the convenient and high-performance screw.

A versatile screw should be usable for everybody with ease at low cost. Otherwise, it would be pointless. We continue manufacturing of products with higher performance, hoping that Motiontite will be introduced as the most reliable screw all over the world in the near future.

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