

Development of Motiontite

No. 4

Motiontite (trademark registered) having more equalized sharing of load among threads than ordinary screws exerts a strong anti-loosening force and has improved fatigue strength. Especially, Motiontite exerts an overwhelming anti-loosening power more in the case of a screwed bolt (bolt-tap tightening) having long fitting length than in the case of a through bolt (bolt-nut tightening) having thread fitting length restricted by the number of the threads.

Motiontite inhibits seizure by releasing a frictional heat on contact surfaces using an elastic effect of the threads and is less susceptible to an effect of elastic interaction, which can cause reduction in an axial force. Thus, Motiontite is a product that addresses the problems related to the bolt tightening.

Further, the elasticity of the thread provides many advantages such as reduction in variation of the axial force, alleviation of uneven contact of the threads, and the like.

In addition, what I want to emphasize most is that Motiontite provides the very same workability as the ordinary screws. Work with Motiontite can be completed by tightening in a normal way with an impact wrench, a nut runner or the like. Motiontite completes the anti-loosening without the use of any special nut or washer or any adhesives.

I think that Motiontite, which does not loose easily even with a little tightening error, might be the only product that can facilitate the screw tightening management in the production plants.

ART SCREW Co., Ltd.
President: Kou Matsubayashi