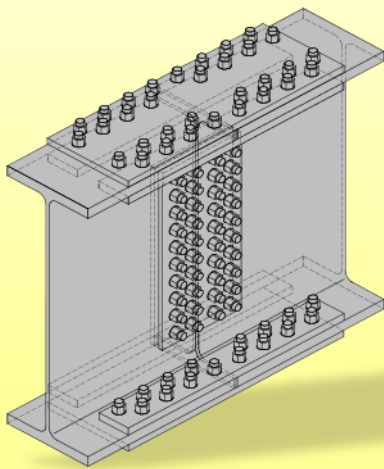


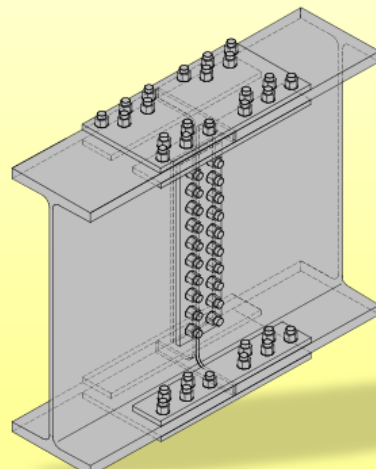
07. Ultra-High-Strength Bolt

The number of bolts and weight of the plate can be reduced to about 2/3 at the bolted joints.

■ Compact design of joint

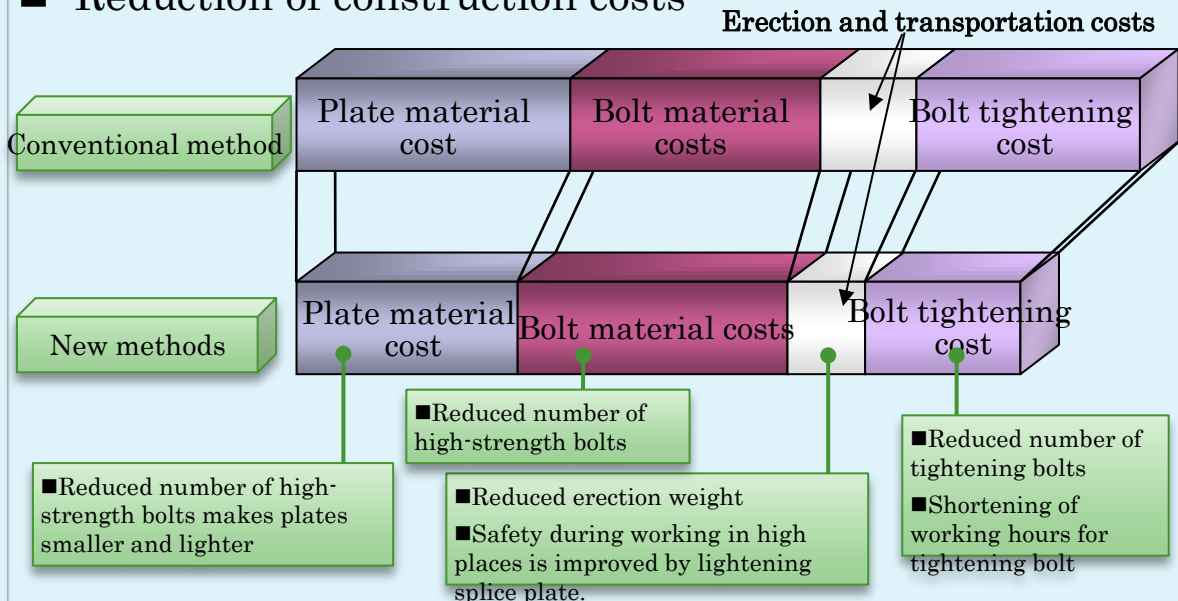


When using conventional F10T



When using ultra-high-strength bolts

■ Reduction of construction costs



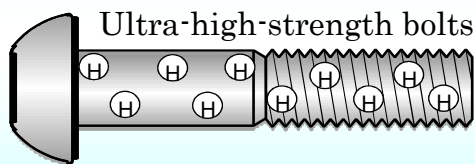
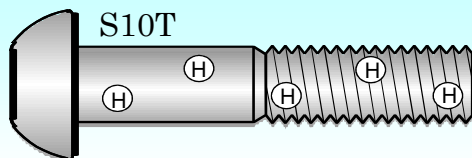
Applicable sector

Steel
structure

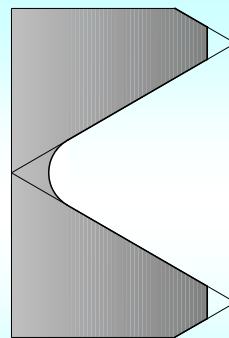
Feature

Super high-strength bolt
that has yield strength about 1.5 times the conventional bolt (F10T)

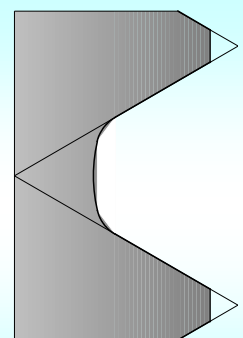
- ✓ Tensile strength :1,400~1,490 (N/mm²)
- ✓ Material superior in delayed-fracture resistance property
- ✓ Bolt shape and new screw shape that can mitigate concentration of stress
- ✓ Minister Certification and assessment by a building evaluation organization were obtained



The limit of hydrogen content in which the delayed-fracture takes place is high.



Meter Coarse Screw



Ultra-high-strength bolts

Track Record

Overseas: None

Japan:

Approx. 3000 ton in fiscal year 2011.

(There are a lot of past records available since its introduction in 2006.)

Standard Condition of application

- ✓ Available only in the indoor environment

Cost

For particulars, please contact us using the contact information below.

Contact

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