



■Hexagon head with flange 5×10
Material : Aluminum Weight : Approx. 1g

It is said that generally the weight of two-ply tissue paper is approximately 1g.

The levity is same as a tissue paper.

The leading company in fastening has the knowhow to apply maximum merit of aluminum to lightweight your products.

Lightweight recommended parts

Aluminum fastening parts



■TOUGH ALUMU 420



■TOUGH ALUMU Z



■Aluminum GIZATITE



■Special Cold-Forged Parts

Quality Starts at the First Turn

NITTO SEIKO



Products INFORMATION

01

TOUGH ALUMU 420 × FRIX

Prevent a crash of drive portion

Usually, the drive portion of aluminum bolt is crashed easily because aluminum is not strong. High axial force is performed by low tightening torque which is achieved by FRIX009, a lubricant for stable friction coefficient. In this effect, the load of drive portion is reduced and it prevent from crashing.

Prevent adhesive phenomenon

When aluminum bolt is screwed to the coessential metal, adhesive phenomenon might happen by seizing up. By using lubricant for stable friction coefficient, friction resistance is reduced and adhesive phenomenon is prevented.

Stabilization of axial force

Even if tightening torque of aluminum-to-aluminum is steady, the extension and breaking of bolt might happen by unstable axial force. By using lubricant for stable friction coefficient, it can suppress variation in axial force and realize stable fastening.

Weight saving

The screw head can be shaped small and thin by our special cold-forged technology. Our technology can support your products to be more lighter and smaller.



Products INFORMATION

02

TOUGH ALUMU Z

Self-tapping to the aluminum metal

High-hardness aluminum self-tapping screw "TOUGH ALUMU Z", realize fastening to the aluminum metal by self-tapping.

In case of fastening of the coessential metal, this screw will solve problems such as electric corrosion, improvement of recycle, and loosening by difference in thermal expansion.



Products INFORMATION

03

Aluminum GIZATITE

Self-tapping to the plastic

GIZATITE can perform high anti loosening under a harsh usage condition such as vibration and temperature change.



Products INFORMATION

04

Special Cold-Forged Parts

Cost reduction

Enable a success of cost reduction by changing to cold-forged parts from machined parts and combination of several parts.

We can meet your needs of special shaped parts such as oval, square, and eccentric parts, etc.

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