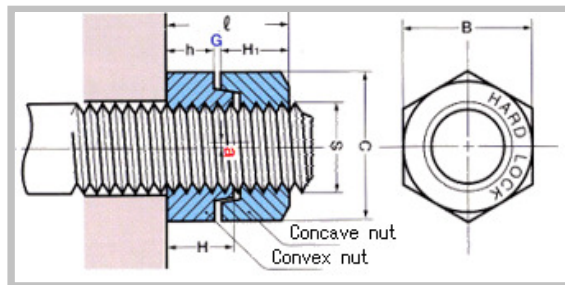


Hard Lock Nut Standard Dimension Table

Hard Lock Nut Standard Dimension Table <H-1>



Dimension G varies slightly according to the bolt's screw position. Regardless of whether these parts closely adhere or not, as long as the prescribed torque is applied, the Hard Lock nut will not

become loose as a result of any impact.

Click here for the [Standard Dimension Table](#).

Materials and Surface Treatment Table

Type	Item	Description
Screw thread	Metric (ISO standard)	Size M6 to M130 (At least M8 for heat treating hot dipped zinc plated items)
	Whitworth	W 3/8 to W2
Material	SS400 or equivalent material: SWRM – mild steel wire rods, SWRH – hard steel wire rods, SWRCH – cold heading steel wire rod, SWCH – cold heading steel wire	Mild steel: Property class up to 4
	S45C tempered	Steel Property class up to 8
	SCM435 tempered	Hard steel: Property class up to 10
	BsBm	Brass
	Materials for nuclear power	Stainless steel
	SUS304, SUS316, Titanium, Hastelloy, etc.	Contact us for nuclear power applications.
Surface treatment	Parkerized	Japanese name: Parker
	Hot Dip Zinc coated (HDZ)	Japanese name: Dobu mekki
	sOxalate film (FB)	Stainless steel screw scoring, For preventing burning, A thin lubricant is applied standard on stainless steel materials.
	Trivalent electrolytic zinc plating	Commonly known as trivalent chromate
Shapes	Standard, semi-thin, thin, rounded	Customized shapes also available

(Example) According to the above combination, - indicated as (M16P2 SS400 HDZ).

*In the above description, the tightening torque can be converted from SI units (Nm) to gravity units (kgf/cm) as follows.

$$1\text{Nm} = 10.1972\text{kgf/cm} = 10.2\text{kgf/cm}$$

(Example) (H-1) in the case of M16P2 SS400,

$$1\text{Nm} = 10.2\text{kgf/cm}$$

$$100\text{Nm} = 10.2 \times 100\text{kgf/cm} = 1020\text{kgf/cm}$$

Simple Calculation Formula for Torque/Axial Force

$$T = K \times d \times F_f \quad F_f = T/K \times d$$

T: tightening torque, Ff: axial force, K: coefficient of torque, d: nominal screw diameter