



GI Ordinary U- Bolt Ø1/4"

A U-bolt is a U-shaped threaded fastener used to clamp, support, and secure pipes, round bars, or structural members.

Standard Specifications (Inches)

Material: Low-carbon (mild) steel
Finish: Zinc coated (electro- galvanized)
Galvanizing Thk.: Approx. **0.0003"** – **0.003"** (process dependent)

Mechanical Strength (Typical Mild Steel GI)

Tensile strength: ~ 54,000 – 72,000 psi
Yield strength: ~ 32,000 – 44,000 psi
Proof load: ~ ~60% of tensile strength

Actual capacity depends on bend radius, nut engagement, installation torque, and support conditions.

DIMENSIONS

Nominal Bore		Pipe Outside Dia (Metric)	Dia (A)	Vertical Length (B)		Inside Width (C)		Thread Length (D)	
Imperial	Metric			Imperial	Metric	Imperial	Metric	Imperial	Metric
3/8"	10mm	17.2mm	Ø1/4"	1-1/8"	28	13/16"	21	5/8"	15
1/2"	15mm	21.3mm	Ø1/4"	1-1/2"	38	15/16"	23	1"	25
5/8"	--	--	Ø1/4"	1-5/8"	42	1"	26	1"	25
3/4"	20mm	26.9mm	Ø1/4"	1-5/8"	42	1-1/8"	27.5	1"	25
1"	25mm	33.7mm	Ø1/4"	2"	50	1-3/8"	35	1-1/4"	30
1-1/4"	32mm	42.4mm	Ø1/4"	2-1/4"	57	1-3/4"	42	1-1/4"	30
1-1/2"	40mm	48.3mm	Ø1/4"	2-5/8"	67	2"	49	1-1/4"	30
2"	50mm	60.3mm	Ø1/4"	3"	76	2-1/2"	62	1-5/8"	40
2-1/2"	65mm	76.1mm	Ø1/4"	4-1/4"	108	3"	77	1-3/4"	45
3"	80mm	88.9mm	Ø1/4"	4-3/4"	120	3-1/2"	88	2"	50
3-1/2"	--	101.6mm	Ø1/4"	5-1/4"	135	4"	105	2"	50
4"	100mm	114.3mm	Ø1/4"	5-3/4"	145	4-1/2"	114	2"	50
4-1/2"	--	--	Ø1/4"	6-1/2"	165	5"	127	2"	50
5"	125mm	139.7mm	Ø1/4"	7"	175	5-1/2"	141	2"	50
5-1/2"	--	--	Ø1/4"	7-1/8"	180	6"	147	2"	50
6"	150mm	168.3mm	Ø1/4"	8-1/8"	206	6-1/2"	167	2"	50