



GI Ordinary U- Bolt Ø1/2"

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
1-1/2"	40mm	48.3mm	Ø1/2"	2-3/4"	70	2"	51	1-3/4"	45
2"	50mm	60.3mm	Ø1/2"	3-1/4"	82	2-1/2"	64	1-3/4"	45
2-1/2"	65mm	76.1mm	Ø1/2"	4-3/8"	110	3"	77	1-7/8"	47
3"	80mm	88.9mm	Ø1/2"	5"	127	3-1/2"	89	2"	50
3-1/2"	--	101.6mm	Ø1/2"	5-1/2"	140	4"	102	2"	50
4"	100mm	114.3mm	Ø1/2"	6"	152	4-1/2"	115	2"	50
4-1/2"	--	--	Ø1/2"	6-5/8"	168	5"	127	2"	50
5"	125mm	139.7mm	Ø1/2"	7"	178	5-1/2"	140	2"	50
5-1/2"	--	--	Ø1/2"	7-1/2"	190	6"	152	2"	50
6"	150mm	168.3mm	Ø1/2"	8"	203	6-1/2"	169	2"	50
6-1/2"	--	--	Ø1/2"	8-1/2"	216	7"	178	3"	75
7"	175mm	193.7mm	Ø1/2"	9"	228	7-1/2"	194	3"	75
7-1/2"	--	--	Ø1/2"	9-1/2"	240	8"	203	3"	75
8"	200mm	219.1mm	Ø1/2"	10"	254	8-1/2"	220	3"	75
9"	225mm	244.5mm	Ø1/2"	11"	279	9-1/2"	245	3"	75
10"	250mm	273.0mm	Ø1/2"	12"	305	10-1/2"	275	3"	75
12"	300mm	323.9mm	Ø1/2"	14"	355	12-1/2"	325	3"	75
14"	350mm	355.6mm	Ø1/2"	16"	406	14-1/2"	368	3"	75
16"	400mm	406.4mm	Ø1/2"	18"	457	16-5/8"	422	3"	75