ASME B18.31.2 Stud Bolt

Leader-Fastener is a manufacturer and distributor of **ASME B18.31.3 Threaded Rods**. We have a complete line of service from having invested in production plants, export department and to having a quality control team and center to meet your requirements. We regard quality as the life of the company. We persist in good quality as the first policy and have established a set of quality control and inspection system according to the international standard.We have carried out ISO9001 Quality Guarantee System in every course of production, transportation and selling.We do hope we could be your partner in business by topping quality, knight service and competitive price in the near future and be your friends as well.

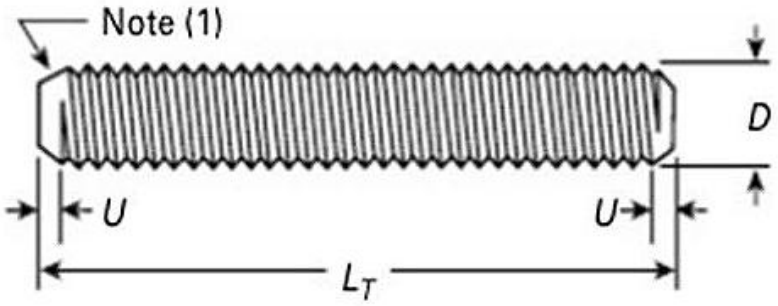
Fully threaded stud bolts implies to plain threaded rods with full body thread coverage. Full threaded stud bolts are used with 2 regular or heavy hex nuts. Fully threaded studs comes with chamfered and non-chamfered ends. Chamfered stud bolts are used for bolting flanges where length of engagement is considered from first to last thread and calculated as per ANSI/ASME B16.5 or other respective flange standards. Plain non chamfered stud bolts are often used for general bolting and cut from large threaded rods for simplicity. Fully Threaded stud bolt dimensions are defined in both metric and imperials sizes with unified national coarse pitch (UNC), fine pitch (UNF), fixed pitch (UN) and ISO metric thread profile. These are produced across all material categories and ASTM specifications.

This Standard covers the general and dimensional data for inch series threaded rods. Included are the following thread configurations and diameters:

•UNC threads #4 through 4 inches
•UNF threads #4 through 1-1/2 inches
•8 UN threads 1-1/8 through 4 inches
•Acme threads 1/4 through 5 inches

At this time, there are no ISO standards for inch threaded rods.

ASME B18.31.2 Continuous Thread Studs



Nominal Size	Diameter, D	Threads Per Inch			Umax= 2 Thread Pitches = 2P		
		UNC	UNF	8UN	UNC Threads	UNF Threads	8UN Threads
1/4	0.2500	20	28	-	0.100	0.071	-
5/16	0.3125	18	2424	-	0.111	0.083	-
3/8	0.3750	16	20	-	0.125	0.083	-
7/16	0.4375	14	20	-	0.143	0.100	-
1/2	0.500	13	1816	-	0.154	0.100	-
9/16	0.5625	12	14	-	0.167	0.111	-
5/8	0.6250	11	12	-	0.182	0.111	-
3/4	0.750	10	12	-	0.200	0.125	-
7/8	0.8750	9	12	-	0.222	0.143	-
1	1.0000	8	12	-	0.250	0.167	-
1-1/8	1.1250	7	12	8	0.286	0.167	0.25
1-1/4	1.2500	7	-	8	0.286	0.167	0.25
1-3/8	1.3750	6	-	8	0.333	0.167	0.25
1-1/2	1.5000	6	-	8	0.333	0.167	0.25
1-5/8	1.6250	-	-	8	-	-	0.25
1-3/4	1.7500	5	-	8	0.4	-	0.25
1-7/8	1.8750	-	-	8	-	-	0.25
2	2.0000	4-1/2	-	8	0.444	--	0.25
2-1/4	2.2500	4-1/2	-	8	0.444	-	0.25
2-1/2	2.5000	4	-	8	0.500	-	0.25
2-3/4	2.7500	4	-	8	0.500	-	0.25
3	3.0000	4	-	8	0.500	-	0.25
3-1/4	3.2500	4	-	8	0.500	-	0.25
3-1/2	3.5000	4	-	8	0.500	-	0.25
3-3/4	3.7500	4	-	8	0.500	-	0.25

4	4.0000	4	-	8	0.500	-	0.25