



ANSI B18.31.2 Stud Bolt

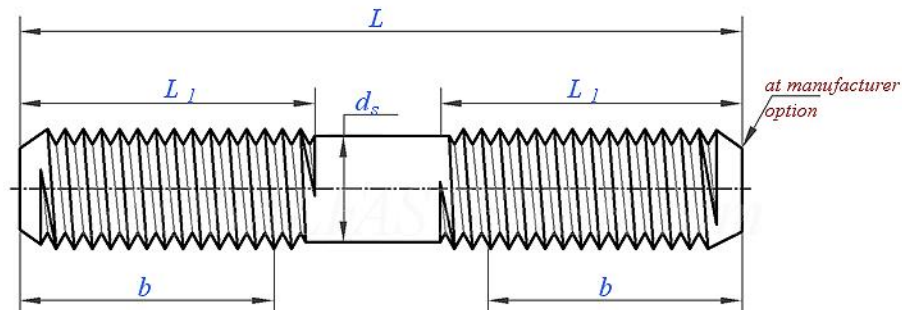
Leader-Fastener is a manufacturer and distributor of **ANSI B18.31.2 Stud Bolt**. We have a complete line of service from having invested in production plants, export department and to having a quality control team and center to meet your requirements. We regard quality as the life of the company. We 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.

Double End Studs or Double end Stud Bolts are threaded rods with thread at both ends and a plain shank equal to that of the nominal diameter. Double end studs are used for high strength bolting. Commonly used for automotive or industrial applications.

Since a double end stud bolt has threads on both sides, it can more easily be used to fasten two flanges. They're usually used to join flanges or pipes together. Thread length varies depending on the application. To accommodate a nut, studs have equal length threads on both ends and are threaded to a class 2A fit. The average length of the stud is determined. These are corrosion resistant and operate smoothly, as well as being durable. Austenitic, martensitic, ferritic, and a variety of other elements make up this composition. During the tightening process of a double ended studs, washers are used to protect the joint surface from damage.

ANSI B18.31.2 Double End Studs



Thread Size	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2		
PP	20	18	16	14	13	12	11	10	9	8	7	7	6	6		
Standard	Type 2	max	0.2500	0.3125	0.3750	0.4000	0.5000	0.5625	0.6250	0.7000	0.7500	0.8000	1.0000	1.1250	1.2500	1.5000
		min	0.2127	0.2712	0.3287	0.3850	0.4435	0.5016	0.5589	0.6173	0.6746	0.7300	0.7846	0.8375	0.8888	1.0000
	Type 3	max	0.2500	0.3125	0.3750	0.4000	0.5000	0.5625	0.6250	0.7000	0.7500	0.8000	1.0000	1.1250	1.2500	1.5000
		min	0.2408	0.3026	0.3643	0.4258	0.4876	0.5495	0.6113	0.6735	0.7352	0.7983	0.8604	0.9231	0.9854	1.1479
	b min	(L ≤ 6)	0.7500	0.8750	1.0000	1.1250	1.2500	1.3750	1.5000	1.7500	2.0000	2.2500	2.5000	2.7500	3.0000	3.2500
		(L > 6)	1.0000	1.1250	1.2500	1.3750	1.5000	1.6250	1.7500	2.0000	2.2500	2.5000	2.7500	3.0000	3.2500	3.5000
L max	(L ≤ 6)	0.8750	1.0000	1.1250	1.3750	1.5000	1.6250	1.8750	2.1250	2.3750	2.6250	3.0000	3.3750	3.7500	4.0000	
	(L > 6)	1.1250	1.2500	1.4375	1.5625	1.7500	1.9375	2.1250	2.3125	2.5000	2.6875	3.0000	3.3750	3.7500	4.2500	

①, Type 1 studs shall have an unfinished body with no specified body diameter tolerances;

Type 2 studs shall have a maximum body diameter equal to basic major diameter of the thread, and a minimum body diameter equal to the rolled thread blank size.

Type 3 studs shall have a maximum body diameter equal to basic major diameter of the thread, and a minimum body diameter equal to the specified minimum major diameter of the thread.

Type 4 studs shall have body diameter tolerances as specified by the purchaser (milled or ground body).

②, When flat and chamfered, the end shall be chamfered from a diameter approximately 0.016 in. below the minor diameter of the thread to produce a length of chamfer or incomplete thread not to exceed two times the thread pitch.