

TF™ HI-STRENGTH LOCKBOLT PINS

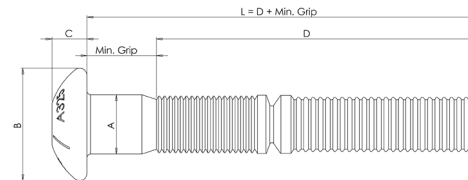


TF™ lockbolt pins are ideal for use in mining, construction and railroad industries, as well as other heavy-duty applications where consistent, uniform clamp force is required. Totally resistant to vibration, stronger and more dependable than ordinary nuts and bolts or welded joints. TF™ lockbolts are available in diameters ranging from 1/2" to 1-3/8".

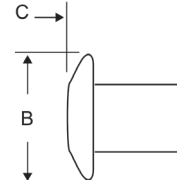
STEEL - ROUND, TRUSS & COUNTERSUNK HEAD

MATERIAL	Carbon Steel
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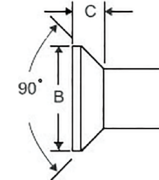
Meets the mechanical properties and material specifications according to BS 7805: Part 2: 1997



ROUND HEAD



TRUSS HEAD



COUNTERSUNK HEAD

All dimensions are in millimeters

Part No.	Diameter Ref.	A	D	Hole Ø Max	Round Head		Truss Head		Csk. Head	
					B	C	B	C	B	C
LB [] S-16 []	(1/2")	12.5-13.1	74.2	14.3	23.4	7.9	23.4	6.0	23.0	6.4
LB [] S-20 []	(5/8")	15.7-16.3	86.5	17.5	29.0	9.9	29.0	7.1	29.4	7.9
LB [] S-24 []	(3/4")	18.8-19.5	99.2	20.6	34.9	11.9	34.9	8.7	34.9	9.5
LB [] S-28 []	(7/8")	22.0-22.7	106.4	23.8	40.5	13.9	40.5	10.3	40.5	11.1
LB [] S-32 []	(1")	25.1-26.0	123.8	27.0	46.4	15.5	46.4	11.9	46.8	12.7
LB [] S-36 []	(1-1/8")	27.9-29.2	128.6	30.2	52.4	17.5	-	-	-	-
LB [] S-44 [*]	(1-3/8")	34.3-35.6	176.5	38.1	64.3	21.6	-	-	63.8	17.0

SELECT GRIP NUMBER (SEE TABLE BELOW)

SELECT HEAD STYLE: R = ROUND; T = TRUSS; C = 90° COUNTERSUNK

* Grip range starts from 102.0 mm up to 870.0 mm max. Contact TF for grip range details

GRIP DATA AND DIMENSIONS

Part No.	Grip range	Part No.	Grip range
04	6.4-12.7	56	88.9-95.3
08	12.7-19.1	60	95.3-101.6
12	19.1-25.4	64	101.6-108.0
16	25.4-31.8	68	108.0-114.3
20	31.8-38.1	72	114.3-120.7
24	38.1-44.5	76	120.7-127.0
28	44.5-50.8	80	127.0-133.4
32	50.8-57.2	84	133.4-139.7
36	57.2-63.5	88	139.7-146.1
40	63.5-69.9	92	146.1-152.4
44	69.9-76.2	96	152.4-158.8
48	76.2-82.6	100	158.8-165.1
52	82.6-88.9	104	165.1-171.5

STRENGTH VALUES (KG-F)

Diameter Ref	Shear	Tensile	Clamp
16	6532 kg-f (64,000 N)	7734 kg-f (75,000 N)	5466
20	10,206 kg-f (100,000 N)	12,293 kg-f (120,000 N)	8709
24	14,697 kg-f (144,000 N)	18,190 kg-f (178,000 N)	12,883
28	19,687 kg-f (193,000 N)	25,153 kg-f (247,000 N)	17,804
32	25,629 kg-f (251,000 N)	32,978 kg-f (320,000 N)	23,361
36	31,526 kg-f (309,000 N)	37,628 kg-f (390,000 N)	26,514
44	45,362 kg-f (444,000 N)	58,517 kg-f (574,000 N)	38,557

ORDERING EXAMPLE

LBRS-1604 = Round Head, 1/2" Diameter with grip range of 6.4-12.7 mm