

BobTail®

Huck's next-generation, pintail-less HuckBolt.

Representing the most advanced fastening technology to date, the BobTail® has been developed to deliver the highest level of performance and reliability.

Engineered to meet the challenges of a wide range of assembly applications, BobTail offers safe, quiet, swaged-on installation technology in a unique, pintail-less design. Available in both Grade 5 and Grade 8 and in an assortment of sizes, BobTail offers 5 times the fatigue strength of conventional nuts and bolts, and unmatched installation speed – often under 2 seconds per fastener.

Its unique no-break-off pintail offers the highest corrosion-resistance in its class, while advanced, low-swage technology enables installation with lightweight, ergonomic tools. When you factor in the cost of fasteners with installation and inspection labor, BobTail often provides an overall lower installed cost.

Available Sizes:

3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1"
12mm, 14mm, 16mm, 20mm

Materials:

Steel, Aluminum, Stainless Steel

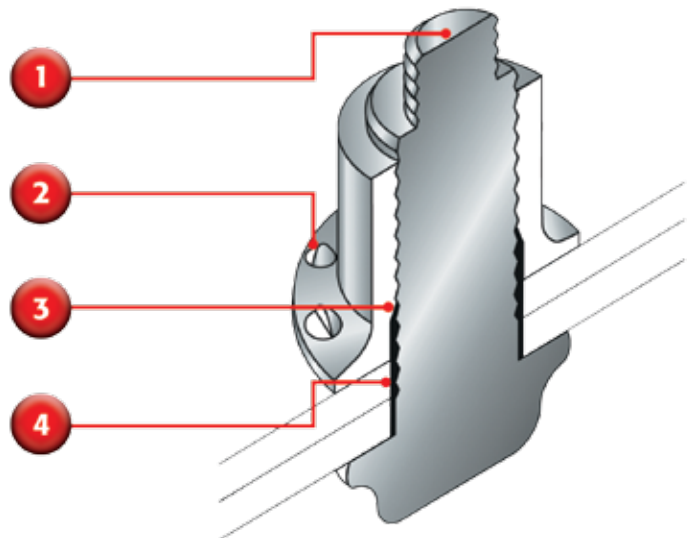
Headstyles:

Round, Truss, 90° Flush, Flanged, 98T

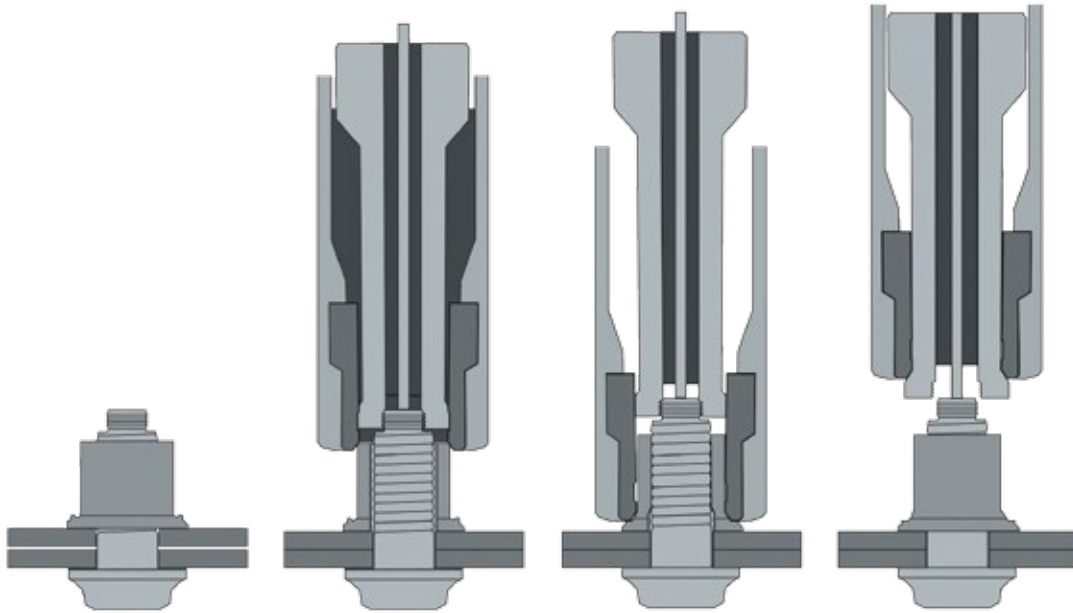


Swage indicators allow easy visual inspection

1. Pintail-less design means reduced noise, no waste, and improved corrosion resistance.
2. Visual evidence of successful installation provided by installation indicator.
3. Collar material swaged into the lockgrooves forms a permanent, vibration-resistant connection.
4. Low-swage technology allows for faster, lighter, ergonomic tooling with parts that last longer.



Installation Sequence



The pin is inserted into the prepared hole, and the collar is spun onto the pin.

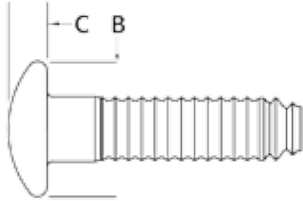
The installation tool is applied to annular pull grooves. When the tool is activated, a puller in the nose assembly draws the pin into the tool, causing the swaging anvil to press on the collar, drawing up any sheet gap.

At a predetermined force, the anvil begins to swage the collar into the pin's lockgrooves. Continued swaging elongates the collar and pin, developing precise damp.

When swaging of the collar into the pin lockgrooves is complete, the tool ejects the fastener and releases the puller to complete the sequence.



Small Diameter BobTail Data and Dimensions



Steel

Diameter	Part No.	Grip Range	Max Hole Size	[B] Head Dia (max)	[C] Head Height (max)	Typical Shear (lbs)	Typical Clamp (lbf)	Typical Tensile (lbs)
98 Degree Head								
1/4"	BT98T-R8-2GA	0-.250	.281	.595	.155	3050	1805	3000
	BT98T-R8-3GA	.063-.312	.281	.595	.155	3050	1805	3000
	BT98T-R8-4GA	.125-.375	.281	.595	.155	3050	1805	3000
	BT98T-R8-5GA	.187-1.000	.281	.595	.155	3050	1805	3000
	BT98T-R8-6GA	.250-1.063	.281	.595	.155	3050	1805	3000
	BT98T-R8-7GA	.312-.562	.281	.595	.155	3050	1805	3000
	BT98T-R8-8GA	.375-.625	.281	.595	.155	3050	1805	3000
	BT98T-R8-10GA	.500-.750	.281	.595	.155	3050	1805	3000
3/8"	BT98T-R12-4GA	.125-.375	.422	.820	.240	6825	4020	6500
	BT98T-R12-6GA	.250-.500	.422	.820	.240	6825	4020	6500
	BT98T-R12-8GA	.375-.625	.422	.820	.240	6825	4020	6500
	BT98T-R12-10GA	.500-.750	.422	.820	.240	6825	4020	6500
	BT98T-R12-12GA	.625-.875	.422	.820	.240	6825	4020	6500
	BT98T-R12-14GA	.750-1.000	.422	.820	.240	6825	4020	6500
	BT98T-R12-16GA	.875-1.125	.422	.820	.240	6825	4020	6500
	BT98T-R12-18GA	1.000-1.250	.422	.820	.240	6825	4020	6500

Stainless Steel

Diameter	Part No.	Grip Range	Max Hole Size	[B] Head Dia (max)	[C] Head Height (max)	Typical Shear (lbs)	Typical Clamp (lbf)	Typical Tensile (lbs)
400 Series Stainless Polished Heads								
1/4"	BT98T-4U8-2BR	0-.250	.281	.595	.155	3550	1805	2750
	BT98T-4U8-3BR	.063-.312	.281	.595	.155	3550	1805	2750
	BT98T-4U8-4BR	.125-.375	.281	.595	.155	3550	1805	2750
	BT98T-4U8-5BR	.187-1.000	.281	.595	.155	3550	1805	2750
	BT98T-4U8-6BR	.250-1.063	.281	.595	.155	3550	1805	2750
	BT98T-4U8-8BR	.375-.625	.281	.595	.155	3550	1805	2750
	BT98T-4U8-10BR	.500-.750	.281	.595	.155	3550	1805	2750
	BT98T-4U8-12BR	.625-.875	.281	.595	.155	3550	1805	2750
3/8"	BT98T-4U12-6BR	.250-.500	.422	.820	.240	7950	4020	6100
	BT98T-4U12-8BR	.375-.625	.422	.820	.240	7950	4020	6100
	BT98T-4U12-10BR	.500-.750	.422	.820	.240	7950	4020	6100
	BT98T-4U12-12BR	.625-.875	.422	.820	.240	7950	4020	6100
	BT98T-4U12-14BR	.750-1.000	.422	.820	.240	7950	4020	6100
	BT98T-4U12-16BR	.875-1.125	.422	.820	.240	7950	4020	6100
BT98T-4U12-20BR	1.125-1.375	.422	.820	.240	7950	4020	6100	

NOTE: Part number listings reflect typical stock. Items not listed will require a minimum order.

Large and Small Diameter BobTail Collars



Steel

Diameter	Part No.	Width (G)
1/4"	BTC-R8GAHL	.396
3/8"	BTC-R12GAHL	.599

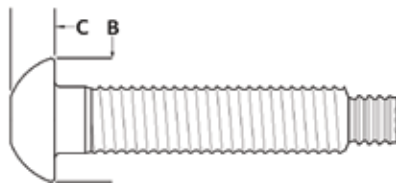
430 Stainless Steel

Diameter	Part No.	Width (G)
1/4" with tab	BTC-R8GAHL	.396
3/8" with tab	BTC-R12GAHL	.599

Steel, Zinc Plated

Diameter	Part No.	Width (G)
16MM	MBTC-R16BL	24.1-24.5mm
20MM	MBTC-R20BL	30.2-30.6mm
5/8"	BTC5R20UA	.935-.945"
3/4"	BTC5-R24UA	1.132-1.142"

Large Diameter BobTail Data and Dimensions



Round



Flanged



Truss



Steel - Metric

Diameter	Part No.	Grip Range	Max Hole Size	[B] Head Dia (max)	[C] Head Height (max)	Min Shear (lbs)	Min Clamp (lbf)	Min Tensile (lbs)
Flanged Head								
16MM Grade 10.9	MBT-DT16-15G	10-20mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
	MBT-DT16-20G	15-25mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
	MBT-DT16-25G	20-30mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
	MBT-DT16-30G	25-35mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
	MBT-DT16-35G	30-40mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
	MBT-DT16-40G	35-45mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
	MBT-DT16-45G	40-50mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
	MBT-DT16-50G	45-55mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
	MBT-DT16-55G	50-60mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
	MBT-DT16-60G	55-65mm	17.5mm	33.8mm	12.2mm	116 kN	116 kN	163 kN
20MM Grade 10.9	MBT-DT20-20G	15-25mm	22mm	42.4mm	16.0mm	182 kN	181 kN	255 kN
	MBT-DT20-30G	25-35mm	22mm	42.4mm	16.0mm	182 kN	181 kN	255 kN
	MBT-DT20-40G	35-45mm	22mm	42.4mm	16.0mm	182 kN	181 kN	255 kN
	MBT-DT20-45G	40-50mm	22mm	42.4mm	16.0mm	182 kN	181 kN	255 kN
	MBT-DT20-50G	45-55mm	22mm	42.4mm	16.0mm	182 kN	181 kN	255 kN

Steel - Imperial

Diameter	Part No.	Grip Range	Max Hole Size	[B] Head Dia (max)	[C] Head Height (max)	Min Shear (lbs)	Min Clamp (lbf)	Min Tensile (lbs)
Truss Head								
5/8" Grade 5	BT30-BR20-4GA	.250-.620	.688	1.330	.340	22500	19000	27100
	BT30-BR20-8GA	.500-.870	.688	1.330	.340	22500	19000	27100
	BT30-BR20-12GA	.750-1.120	.688	1.330	.340	22500	19000	27100
	BT30-BR20-16GA	1.00-1.37	.688	1.330	.340	22500	19000	27100
	BT30-BR20-20GA	1.25-1.62	.688	1.330	.340	22500	19000	27100
Round Head								
3/4" Grade 5	BTR-BR24-8GA	.500-.870	.813	1.440	.530	32400	28400	40100

BobTail Installation Tooling

Tooling Selection (Inch)

Diameter	Tool	Installation Nose	Cutter Nose
3/16"	244BT 2480	99-7921 99-7921	99-7921CC —
1/4"	244BT 2480	99-7932 99-7932	99-7932CC 99-7932CC
5/16"	256BT —	99-7923 —	99-7923CC —
3/8"	256BT SFBTT8-12	99-7924 —	99-7924CC —
1/2"	*BTT25 BTT25-ST BTT25-DT	99-7855	99-7855CC
	BTT35LS	99-7825	99-7825CC
	*SFBTT20-IT SFBTT20-ST SFBTT20-DT	99-7882	99-7882CC
5/8"	*SFBTT20-IT SFBTT20-ST SFBTT20-DT	99-7881	99-7881CC
	*BTT35 BTT35-ST BTT35-DT	99-7851	99-7851CC
	BTT35LS	99-7821	99-7821CC
3/4"	*BTT57 BTT57-ST BTT57-DT	99-7856	99-7856CC
	BTT35LS	99-7826	99-7826CC
7/8"	*BTT57 BTT57-ST BTT57-DT	99-7853	99-7853CC
1"	*BTT57 BTT57-ST BTT57-DT	99-7857	99-7857CC

Tooling selection (Metric)

Diameter	*Tool	Installation	Cutter
12mm	*BTT25 BTT25-ST BTT25-DT	99-7850	99-7850CC
	BTT35LS	99-7820	99-7820CC
	*SFBTT20-IT SFBTT20-ST SFBTT20-DT	99-7880	99-7880CC
14mm	*SFBTT20-IT SFBTT20-ST SFBTT20-DT	99-7884	99-7884CC
	*BTT25 BTT25-ST BTT25-DT	99-7854	99-7854CC
	BTT35LS	99-7824	99-7824CC
16mm	*SFBTT20-IT SFBTT20-ST SFBTT20-DT	99-7881	99-7881CC
	*BTT35 BTT35-ST BTT35-DT	99-7851	99-7851CC
	BTT35LS	99-7821	99-7821 CC
20mm	BTT35LS	99-7822	99-7822CC
	*BTT57 BTT57-ST BTT57-DT	99-7852	99-7852CC

* Marked tools require the following additional parts:

3-Tool Controller	128441-3
Relief Valve with Transducer	128415
Hydraulic Hose Assembly	125926-XX
Control Cord (Tool to Controller)	128418-XX
Cable Assembly (Transducer to Controller)	128457-XX
Cord Assembly (2-Wire controller to Powerig)	118308-XX

Model BTT35

Model BTT57

Collar cutter feature



While BobTail fasteners install permanently, BobTail installation tooling features a collar cutter nosepiece that makes fastener removal easier than ever.