

BOM[®]

The highest strength blind oversized fastener available.

Often used as a replacement for welding, Huck BOM[®] is so strong, one BOM (Blind, Oversized Mechanically locked) fastener can do the work of up to four conventional fasteners. Its unique push-and-pull installation design makes it ideal for military vehicles, auto suspensions, rail car assembly, and much more. BOM's high fatigue thread form extends the life of any structure. Offering accurate, easy, quick installation, BOM requires no special training or skills for operators.

Available Sizes:

3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"

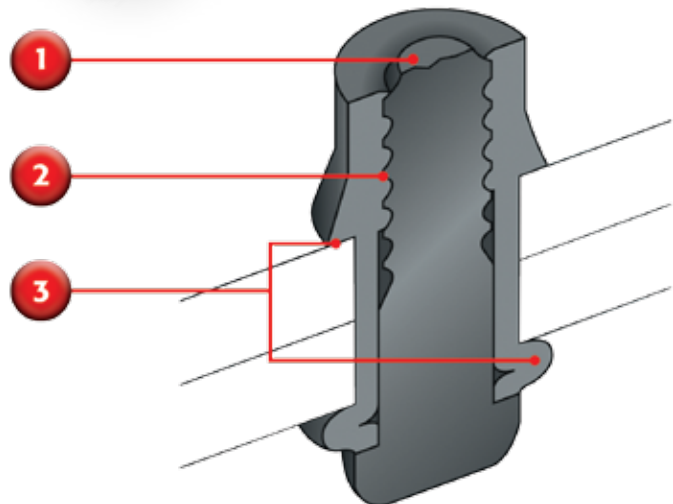
Materials:

Steel

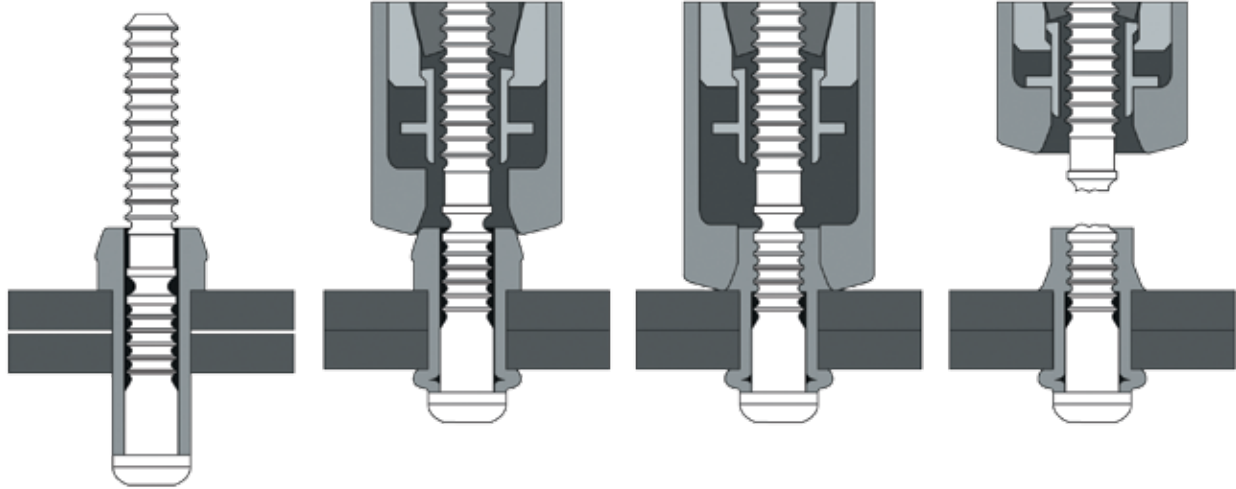


Secure, Fast Installation

1. When the pin separates near flush, the BOM fastener is installed correctly. The BOM fastener does not require surface preparation, grinding or filling after installation.
2. The collar is locked to the pin through the "swaging" process, creating a high vibration resistant connection and the highest strength of any blind fastener.
3. Large bearing area on both sides of the work piece ensures a permanently held, tamper resistant joint.



Installation Sequence



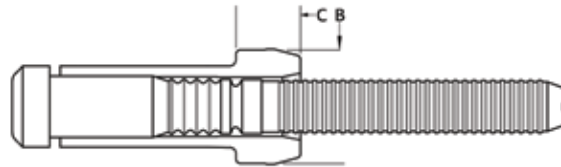
Insert the fastener into the hole and slip the installation tool over the pintail.

Press the trigger to initiate pulling action. As the tool pulls on the pintail, the unique collar design "stands off" the swaging action until the maximum allowable bulb is formed on the backside.

Continued pulling on the pintail draws the work pieces together and the swaging anvil overcomes the standoff and moves down the length of the collar, securely locking the collar to the pin.

Once the collar is swaged, the pin breaks leaving a high strength, vibration resistant secured joint.

BOM Data & Dimensions



Steel Pin - Zinc Plated

Diameter	Part No.	Grip Range	Max Hole Size	[B] Head Dia (max)	[C] Head Height (max)	Typical Shear (lbs)	Typical Tensile (lbs)
1/4"	BOM-R8-3	.157-.219	.292	.225	.020	5100	3250
	BOM-R8-4	.220-.281	.292	.225	.020	5100	3250
	BOM-R8-5	.282-.344	.292	.225	.020	5100	3250
	BOM-R8-6	.345-.406	.292	.225	.020	5100	3250
	BOM-R8-7	.407-.469	.292	.225	.020	5100	3250
	BOM-R8-8	.470-.531	.292	.225	.020	5100	3250
	BOM-R8-9	.532-.594	.292	.225	.020	5100	3250
	BOM-R8-10	.595-.656	.292	.225	.020	5100	3250
	BOM-R8-11	.657-.719	.292	.225	.020	5100	3250
5/16"	BOM-R10-4	.188-.312	.368	.278	.025	8050	5200
	BOM-R10-6	.313-.437	.368	.278	.025	8050	5200
	BOM-R10-8	.438-.562	.368	.278	.025	8050	5200
	BOM-R10-10	.563-.687	.368	.278	.025	8050	5200
	BOM-R10-12	.688-.812	.368	.278	.025	8050	5200
	BOM-R10-14	.813-.937	.368	.278	.025	8050	5200

Steel Pin - Zinc Plated

Diameter	Part No.	Grip Range	Max Hole Size	[B] Head Dia (max)	[C] Head Height (max)	Typical Shear (lbs)	Typical Tensile (lbs)
3/8"	BOM-R12-4	.188-.312	.435	.327	.030	11100	7250
	BOM-R12-6	.313-.437	.435	.327	.030	11100	7250
	BOM-R12-8	.438-.562	.435	.327	.030	11100	7250
	BOM-R12-10	.563-.687	.435	.327	.030	11100	7250
	BOM-R12-12	.688-.812	.435	.327	.030	11100	7250
	BOM-R12-14	.813-.937	.435	.327	.030	11100	7250
1/2"	BOM-R16-10	.626-.750	.581	.458	.035	20150	13000
	BOM-R16-12	.751-.875	.581	.458	.035	20150	13000
5/8"	BOM-R20-4GA	.251-.500	.728	.545	.040	28500	20500
	BOM-R20-8GA	.501-.750	.728	.545	.040	28500	20500
	BOM-R20-12GA	.751-1.000	.728	.545	.040	28500	20500
	BOM-R20-16GA	1.001-1.250	.728	.545	.040	28500	20500
	BOM-R20-20GA	1.251-1.500	.728	.545	.040	28500	20500
3/4"	BOM-R24-4GAG	.251-.500	.873	.654	.050	45100	29100
	BOM-R24-8GAG	.501-.750	.873	1.130	.050	45100	29100
	BOM-R24-12GAG	.751-1.000	.873	1.130	.050	45100	29100
	BOM-R24-16GAG	1.001-1.250	.873	1.130	.050	45100	29100

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



Installation Tooling

Diameter	Installation Tool	Nose Assembly	Type
3/16"	2025	99-994	Pneudraulic
	255	99-1053 (heavy duty)	Pneudraulic
	256	99-1053 (heavy duty)	Pneudraulic
	2480	99-994	Hydraulic
	2580	99-1053 (heavy duty)	Hydraulic
1/4"	255	99-830-1	Pneudraulic
	256	99-830-1	Pneudraulic
	2580	99-830-1	Hydraulic
5/16"	256	99-769	Pneudraulic
	2580	99-769	Hydraulic
	2600	99-3119	Hydraulic
3/8"	2600	99-3122	Hydraulic
1/2"	2620	99-5100	Hydraulic
	2620PT	99-5101	Hydraulic
5/8"	2624	99-5102	Hydraulic
	3585	99-5102	Hydraulic
3/4"	3585	99-5103	Hydraulic

