

Four Regional Distribution Centers To Serve You

Atlanta, Ga
Yorba Linda, Ca



Chicago, Il
Cleveland, Oh

We have four strategically located distribution centers to ensure dependable delivery in two days or less to 90% of the country's businesses. The need for air freight is all but eliminated except in the most extreme emergencies.

Most orders placed by 2:00 PM your time can be shipped the same day from the Buckeye distribution center nearest you. Call our toll free number for prompt, courteous service.

1-800-437-1689

FAX: 1-216-267-3228

E-mail: info@buckeyefasteners.com

www.buckeyefasteners.com

**We Stock A Large Assortment Of Quality Fasteners
From These Leading Fastener Companies;**

The Ohio Nut And Bolt Co. ● Brainard Rivet Company
Captive Fastener Corp. ● Miniature Nut and Screw
Stafast Products Inc. ● Con-Torq Division
Decker Mfg. Corp. ● Alliance Plastics

Looking for an item that you don't see in our catalog? Contact our sourcing department, **Multisource Fasteners**. They can be reached by phone at **888-784-5157** or by fax at **216-265-2268**. They have access to an unlimited variety of fasteners and related products not shown in our catalog. They also have suppliers who will modify standard parts by drilling holes, add locking features, etc.

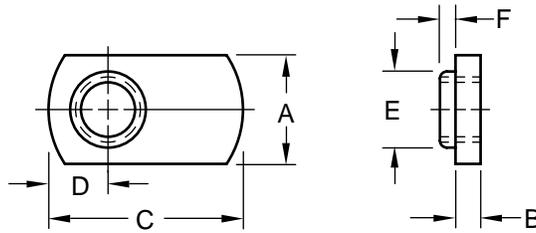
Multisource Fasteners

5250 West 164th Street
Brook Park, Ohio 44142-1597 USA
888-784-5157
(216) 267-2240
FAX: (216) 265-2268
www.multisourcefasteners.com
info@multisourcefasteners.com

Purchasing Information

- Prices** Packaged quantity price breaks occur at one, two, three, five and ten thousand pieces. Quantities under one thousand pieces are priced by a lot charge formula that is based on one hundred piece increments. Prices are based on quantity per shipment and are subject to change without notice.
- Ordering Quantities.....** Our minimum ordering quantity is one hundred pieces on any stock item. We sell in increments of one hundred pieces up to one thousand pieces and in one thousand piece increments thereafter.
- Payment Terms.....** Payment terms are net thirty days to firms with good commercial credit ratings. Terms must be arranged with firms whose ratings are not available through our normal channels.
- Terms Of Shipment.....** All shipments are F.O.B. shipping point.
- Return Policy** Prior authorization must be obtained before any material is returned. We will not accept goods that are return without authorization.
- Samples** Samples are available at no charge for prototypes and experimental purposes.
- Plating.....** Most commercial finishes are available at additional costs. Parts are furnished plain finish unless otherwise specified.
- Caution:** Externally threaded fasteners are guaranteed gaugeable to the basic pitch diameter when the coating is .0002" or less. Internally threaded parts do not have an allowance for plating and are not guaranteed to gauge after plating.

Single Tab Spotweld Nut

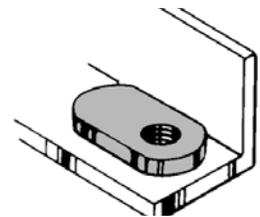


Product Specification Sheet

Part Number	Thread Size	Width	Thickness	Length	Pilot		Center Hole To Short End	Hole In Sheet
					Dia.	Height		
		A	B	C	E	F	D	
SN 1109	#6-32	0.453	0.097	0.640	0.198	0.03	0.202	0.203
		0.433	0.091	0.610	0.178		0.172	
SN 1409	#8-32	0.453	0.097	0.640	0.213	0.03	0.202	0.219
		0.433	0.091	0.610	0.193		0.172	
SN 1510	#10-24	0.453	0.097	0.640	0.244	0.03	0.202	0.250
		0.433	0.091	0.610	0.224		0.172	
SN 1710	#10-32	0.453	0.097	0.640	0.244	0.03	0.202	0.250
		0.433	0.091	0.610	0.224		0.172	
SN 2113	1/4-20	0.520	0.128	0.827	0.307	0.05	0.265	0.312
		0.495	0.122	0.797	0.287		0.235	
SN 2213	1/4-28	0.520	0.128	0.827	0.307	0.05	0.265	0.312
		0.495	0.122	0.797	0.287		0.235	
SN 2716	5/16-18	0.655	0.145	0.999	0.369	0.08	0.296	0.375
		0.620	0.139	0.969	0.349		0.266	
SN 2816	5/16-24	0.655	0.145	0.999	0.369	0.08	0.296	0.375
		0.620	0.139	0.969	0.349		0.266	
SN 3318	3/8-16	0.655	0.145	1.140	0.448	0.09	0.359	0.453
		0.620	0.139	1.110	0.428		0.329	
SN 3418	3/8-24	0.655	0.145	1.140	0.448	0.09	0.359	0.453
		0.620	0.139	1.110	0.428		0.329	



The SN weld nut is a spotweld, precision-pilot nut which features an optimum welding tab. This tab will take several sizes of electrodes and permits use of the same equipment, settings and electrodes used to produce your product or product components. Where the nut is to function as a stiffener or brace in addition to being a fastener, the SN weld nut is ideal.



Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

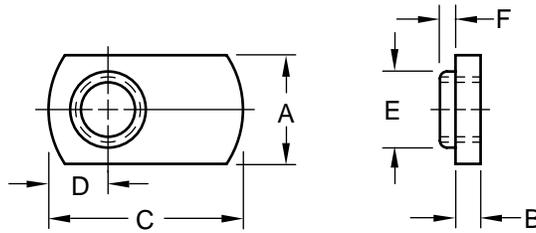
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



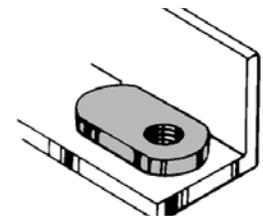
Metric Single Tab Spotweld Nut



Product Specification Sheet

Part Number	Thread Size / Pitch	Width		Thick-ness	Length	Pilot To End	Pilot		Hole In Sheet
				Tol.	Tol.	Tol.	Dia.	Height	
		+ 0.1	+ 0.4	+ 0.4	+ 0.2	+ 0.3			
		- 0.1	- 0.4	- 0.4	- 0.3	- 0.1			
A Tol. "A"		B	C	D	E	F			
SNM 03516	M3.5 x 0.6-6H	11.0	+ 0.3 - 0.2	2.4	16.0	4.8	4.8	0.8	5.2
SNM 04016	M4 x 0.7-6H	11.0	+ 0.3 - 0.2	2.4	16.0	4.8	5.2	0.8	5.6
SNM 05016	M5 x 0.8-6H	11.0	+ 0.3 - 0.2	2.4	16.0	4.8	6.0	0.8	6.4
SNM 06020	M6 x 1-6H	13.0	+ 0.4 - 0.3	3.2	20.5	6.4	7.6	1.2	8.0
SNM 08025	M8 x 1.25-6H	16.0	+ 0.4 - 0.3	3.6	25.0	7.1	9.2	2.0	9.6
SNM 10028	M10 x 1.5-6H	16.0	+ 0.4 - 0.3	3.6	28.5	8.7	11.8	2.4	12.2

The SNM weld nut is a spotweld, precision-pilot nut which features an optimum welding tab. This tab will take several sizes of electrodes and permits use of the same equipment, settings and electrodes used to produce your product or product components. Where the nut is to function as a stiffener or brace, in addition to being a fastener, the SNM weld nut is ideal.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

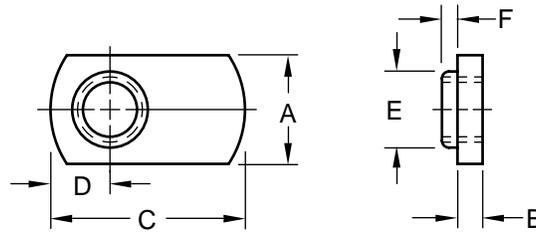
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Single Tab Spotweld Nut

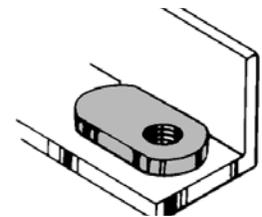


Product Specification Sheet

Part Number	Thread Size	Width	Thickness	Length	Pilot		Center Hole To Short End	Hole In Sheet
					Dia.	Height		
					E	F		
SNZ 1406	#8-32	0.390	0.097	0.640	0.213	0.03	0.202	0.219
		0.370	0.091	0.610	0.193		0.172	
SNZ 1506	#10-24	0.390	0.097	0.640	0.244	0.03	0.202	0.250
		0.370	0.091	0.610	0.224		0.172	
SNZ 1706	#10-32	0.390	0.097	0.640	0.244	0.03	0.202	0.250
		0.370	0.091	0.610	0.224		0.172	
SNZ 2113	1/4-20	0.520	0.128	0.827	0.307	0.05	0.265	0.312
		0.495	0.122	0.797	0.287		0.235	
SNZ 2213	1/4-28	0.520	0.128	0.827	0.307	0.05	0.265	0.312
		0.495	0.122	0.797	0.287		0.235	
SNZ 2718	5/16-18	0.655	0.145	1.140	0.369	0.08	0.359	0.375
		0.620	0.139	1.110	0.349		0.329	
SNZ 2818	5/16-24	0.655	0.145	1.140	0.369	0.08	0.359	0.375
		0.620	0.139	1.110	0.349		0.329	
SNZ 3318	3/8-16	0.655	0.145	1.140	0.448	0.09	0.359	0.453
		0.620	0.139	1.110	0.428		0.329	
SNZ 3418	3/8-24	0.655	0.145	1.140	0.448	0.09	0.359	0.453
		0.620	0.139	1.110	0.428		0.329	



The SNZ stainless steel weld nut is a spotweld, precision-pilot nut which features an optimum welding tab. This tab will take several sizes of electrodes and permits use of the same equipment, settings and electrodes used to produce your product or product components. Where the nut is to function as a stiffener or brace, in addition to being a fastener, the SNZ stainless steel weld nut is ideal.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

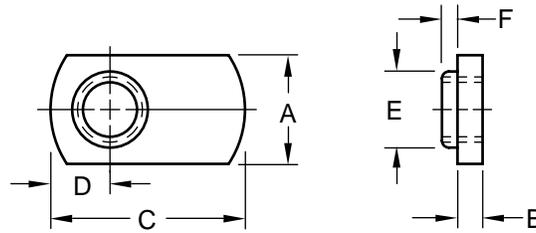
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Metric Single Tab Spotweld Nut

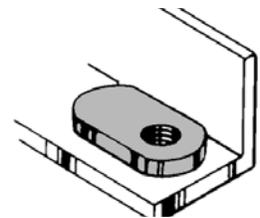


Product Specification Sheet

Part Number	Thread Size / Pitch	Width		Thickness	Length	Pilot Center To End	Pilot		Hole In Sheet	
				Tol.	Tol.	Tol.	Dia.	Height		
		+ 0.1 - 0.1	+ 0.4 - 0.4	+ 0.4 - 0.4	+ 0.2 - 0.3	A	Tol. "A"			B
SNZ 04016	M4 x 0.7-6H	9.6	+ 0.3 - 0.2	2.4	15.9	4.7	5.2	0.76	5.6	
SNZ 05016	M5 x 0.8-6H	9.6	+ 0.3 - 0.2	2.4	15.9	4.7	6.0	0.76	6.4	
SNZ 06020	M6 x 1-6H	12.9	+ 0.3 - 0.3	3.2	20.6	6.3	7.6	1.3	8.0	
SNZ 08028	M8 x 1.25-6H	16.15	+ 0.5 - 0.4	3.6	28.6	8.7	9.2	2.0	9.6	



The metric stainless steel SNZ weld nut is a spotweld, precision-pilot nut which features an optimum welding tab. This tab will take several sizes of electrodes and permits use of the same equipment, settings and electrodes used to produce your product or product components. Where the nut is to function as a stiffener or brace in addition to being a stainless steel fastener, the SNZ weld nut is ideal.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

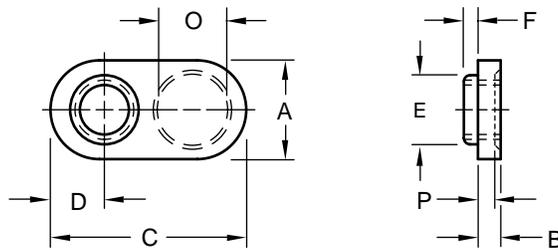
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Single Tab Spotweld Nut



Product Specification Sheet

Part Number	Thread Size	Width	Thickness	Length	Pilot		Target Area		Center of Pilot To Edge of Nut	Hole In Sheet
					Dia.	Height	Dia.	Thickness		
					E	F	O	P		
XN 1101	#6-32	0.390	0.097	0.734	0.198	0.03	0.265	0.081	0.208	0.203
					0.178		0.235			
XN 1401	#8-32	0.390	0.097	0.734	0.213	0.03	0.265	0.081	0.208	0.219
					0.193		0.235			
XN 1513	#10-24	0.453	0.097	0.827	0.244	0.03	0.296	0.081	0.208	0.250
					0.224		0.266			
XN 1713	#10-32	0.453	0.097	0.827	0.244	0.03	0.296	0.081	0.208	0.250
					0.224		0.266			
XN 2115	1/4-20	0.448	0.097	0.953	0.291	0.05	0.296	0.081	0.270	0.297
					0.271		0.266			
XN 2719 *	5/16-18	0.448	0.128	1.140	0.369	0.08	None	None	0.301	0.375
			0.122		1.110		0.349		0.261	
XN 3321 *	3/8-16	0.572	0.128	1.265	0.448	0.09	None	None	0.364	0.453
			0.122		1.235		0.428		0.324	

* No Target Area



The XN spot weld nut features a long narrow body suitable for attachment in confined areas such as channels, narrow angles or close to corners, as well as for general applications. The XN spot weld nut has a precision pilot, full threads and is countersunk for easy entry of mating screw. There is an electrode target area of reduced thickness found on the 1/4–20 and smaller thread sizes. This target creates a more favorable balance of material thickness when the XN is welded to lighter gage stock, where the majority of the smaller sizes are used.



Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

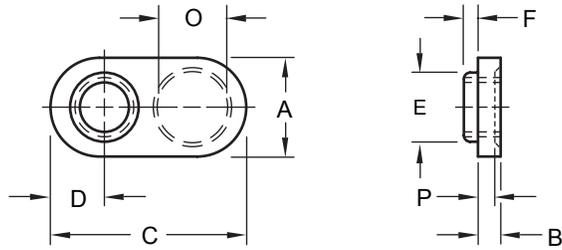
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



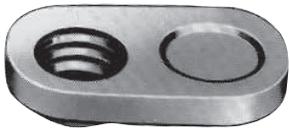
Metric Single Tab Spotweld Nut



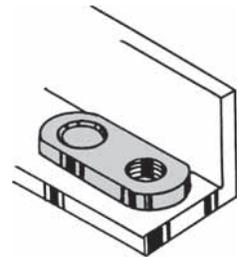
Product Specification Sheet

Part Number	Thread Size	Width	Thickness	Length	Pilot		Target Area		Center of Pilot To Edge of Nut	Hole In Sheet
					Dia.	Height	Dia.	Thickness		
		Tol.	Tol.	Tol.	Tol.	Tol.	Tol.	Tol.	Tol.	
		A	B	C	E	F	O	P	D	
XNM 03518	M3.5 x 0.6-6H	9.6	2.4	18.0	4.8	0.8	6.35	2.0	4.8	5.2
XNM 04018	M4 x 0.7-6H	9.6	2.4	18.0	5.2	0.8	6.35	2.0	4.8	5.6
XNM 05020	M5 x 0.8-6H	11.0	2.4	20.6	6.0	0.8	7.10	2.0	4.8	6.4
XNM 06024	M6 x 1-6H	11.0	2.4	24.0	7.2	1.2	7.10	2.0	6.4	7.6
XNM 08028 *	M8 x 1.25-6H	11.0	3.2	28.0	9.2	2.0	None	None	7.1	9.6

* No Target Area



The XNM metric spotweld nut features a long narrow body suitable for attachment in confined areas such as channels, narrow angles or close to corners, as well as for general applications. The XNM spotweld nut has a precision pilot, full threads and is countersunk for easy entry of mating screw. There is an electrode target area of reduced thickness found on the M6-6H and smaller thread sizes. This target creates a more favorable balance of material thickness when the XNM is welded to lighter gage stock, where the majority of the smaller sizes are used.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

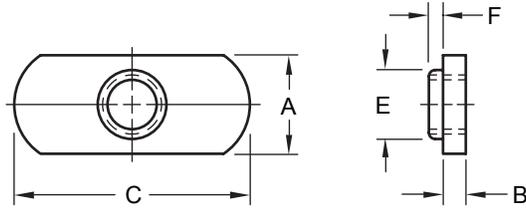
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Double Tab Spotweld Nut

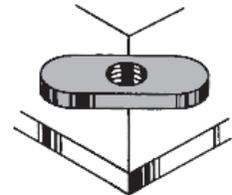


Product Specification Sheet

Part Number	Thread Size	Width	Thick.	Length	Pilot		Hole In Sheet
					Dia.	Hgt.	
					E	F	
ND 1114	#6-32	0.453	0.097	0.890	0.198	0.03	0.203
		0.433	0.091	0.860	0.178		
ND 1414	#8-32	0.453	0.097	0.890	0.213	0.03	0.219
		0.433	0.091	0.860	0.193		
ND 1514	#10-24	0.453	0.097	0.890	0.244	0.03	0.250
		0.433	0.091	0.860	0.224		
ND 1714	#10-32	0.453	0.097	0.890	0.244	0.03	0.250
		0.433	0.091	0.860	0.224		
ND 2116	1/4-20	0.453	0.097	1.015	0.291	0.03	0.297
		0.433	0.091	0.985	0.271		
ND 2118	1/4-20	0.520	0.128	1.140	0.307	0.05	0.312
		0.495	0.122	1.110	0.287		
ND 2724	5/16-18	0.655	0.145	1.515	0.369	0.08	0.375
		0.620	0.139	1.485	0.349		
ND 3324	3/8-16	0.655	0.145	1.515	0.448	0.09	0.453
		0.620	0.139	1.485	0.428		
ND 3924	7/16-20	0.797	0.191	1.515	0.536	0.09	0.542
		0.734	0.185	1.485	0.506		
ND 4424	1/2-13	0.797	0.191	1.515	0.599	0.09	0.604
		0.734	0.185	1.485	0.569		



The ND weld nut is a dual-tab spot weld nut manufactured for applications requiring additional strength where tension is against the weld. The location of the twin-tabs enables the ND to be used in bridging corners and recessed areas. A precision pilot speeds location and provides a full thread engagement. The ND can use the same electrodes, equipment and settings used in production, thus eliminating setup and changeover time, thereby lowering in-place fastener cost.



Material: C1010 High-Welding
 Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

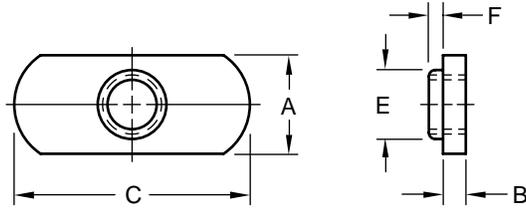
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Double Tab Spotweld Nut

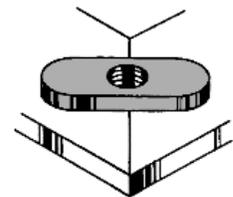


Product Specification Sheet

Part Number	Thread Size	Width		Thick.	Length	Pilot		Hole In Sheet
				Tol.	Tol.	Dia.	Hgt.	
				+ 0.1 - 0.1	+ 0.4 - 0.4	+ 0.2 - 0.3	+ 0.3 - 0.1	
		A	Tol. "A"	B	C	E	F	
NDM 03522	M3.5 x 0.6-6H	11.0	+ 0.3 - 0.2	2.4	22.0	4.8	0.8	5.2
NDM 04022	M4 x 0.7-6H	11.0	+ 0.3 - 0.2	2.4	22.0	5.2	0.8	5.6
NDM 05022	M5 x 0.8-6H	11.0	+ 0.3 - 0.2	2.4	22.0	6.0	0.8	6.4
NDM 06028	M6 x 1-6H	13.0	+ 0.4 - 0.3	3.2	28.5	7.6	1.2	8.0
NDM 08038	M8 x 1.25-6H	16.0	+ 0.4 - 0.3	3.6	38.0	9.2	2.0	9.6
NDM 10038	M10 x 1.5-6H	16.0	+ 0.4 - 0.3	3.6	38.0	11.8	2.4	12.2
NDM 12038	M12 x 1.75-6H	19.4	+ 0.9 - 0.8	4.8	38.0	14.5 13.7	2.4	14.7



The NDM metric weld nut is a dual-tab spotweld nut manufactured for applications requiring additional strength where tension is against the weld. The location of the twin-tabs enables the NDM to be used in bridging corners and recessed areas. A precision pilot speeds location and provides a full thread engagement. The NDM can use the same electrodes, equipment and settings used in production, thus eliminating setup and changeover time, thereby lowering in-place fastener cost.



Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: ASME B1.13M-2005

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

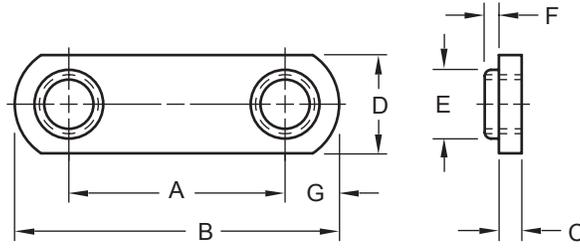
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

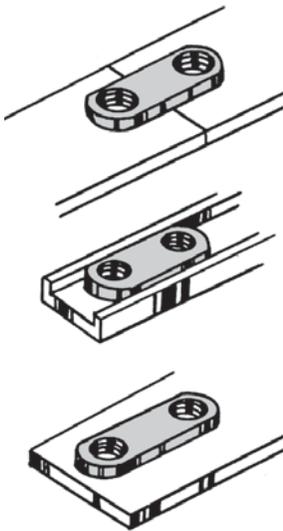
© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Twin Piloted Spotweld Nut



Product Specification Sheet



Thread Size	#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18	3/8-16
Thickness - C	0.097	0.097	0.097	0.097	0.128	0.145	0.145
	0.091	0.091	0.091	0.091	0.122	0.139	0.139
Width - D	0.520	0.520	0.520	0.520	0.520	0.655	0.655
	0.495	0.495	0.495	0.495	0.495	0.620	0.620
Pilot Diameter - E	0.198	0.213	0.244	0.244	0.307	0.369	0.448
	0.178	0.193	0.224	0.224	0.287	0.349	0.428
Pilot Height - F	0.03	0.03	0.03	0.03	0.05	0.08	0.09
Edge Distance - G	0.202	0.202	0.202	0.202	0.265	0.296	0.359
	0.172	0.172	0.172	0.172	0.235	0.266	0.329

Part Number	Thread Size	Hole Center	Length	Part Number	Thread Size	Hole Center	Length
		A	B			A	B
TP 1108	#6-32	0.505	0.890	TP 1716	#10-32	1.005	1.390
		0.495	0.860			0.995	1.360
TP 1112	#6-32	0.755	1.140	TP 1720	#10-32	1.255	1.640
		0.745	1.110			1.245	1.610
TP 1116	#6-32	1.005	1.390	TP 1724	#10-32	1.505	1.890
		0.995	1.360			1.495	1.860
TP 1132	#6-32	2.005	2.390	TP 2110	1/4-20	0.630	1.140
		1.995	2.360			0.620	1.110
TP 1408	#8-32	0.505	0.890	TP 2112	1/4-20	0.755	1.265
		0.495	0.860			0.745	1.235
TP 1412	#8-32	0.755	1.140	TP 2114	1/4-20	0.880	1.390
		0.745	1.110			0.870	1.360
TP 1416	#8-32	1.005	1.390	TP 2116	1/4-20	1.005	1.515
		0.995	1.360			0.995	1.485
TP 1420	#8-32	1.255	1.640	TP 2118	1/4-20	1.130	1.640
		1.245	1.610			1.120	1.610
TP 1432	#8-32	2.005	2.390	TP 2120	1/4-20	1.255	1.765
		1.995	2.360			1.245	1.735
TP 1512	#10-24	0.755	1.140	TP 2124	1/4-20	1.505	2.015
		0.745	1.110			1.495	1.985
TP 1516	#10-24	1.005	1.390	TP 2128	1/4-20	1.755	2.265
		0.995	1.360			1.745	2.235
TP 1520	#10-24	1.255	1.640	TP 2132	1/4-20	2.005	2.515
		1.245	1.610			1.995	2.485
TP 1524	#10-24	1.505	1.890	TP 2718	5/16-18	1.130	1.703
		1.495	1.860			1.120	1.673
TP 1708	#10-32	0.505	0.890	TP 2722	5/16-18	1.380	1.953
		0.495	0.860			1.370	1.923
TP 1712	#10-32	0.755	1.140	TP 3322	3/8-16	1.380	2.077
		0.745	1.110			1.370	2.047

Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

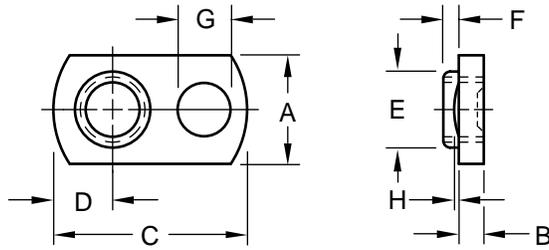
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Single Projection Tab Weld Nut

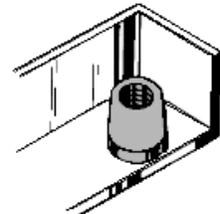


Product Specification Sheet

Part Number	Thread Size	Width	Thickness	Length	Pilot		Projection		Center Hole To Short End	Hole In Sheet
					Dia.	Height	Dia.	Height		
					E	F	G	H		
PN 1109	#6-32	0.453	0.097	0.640	0.198	0.03	0.193	0.014	0.202	0.203
		0.433	0.091	0.610	0.178		0.183	0.010	0.172	
PN 1409	#8-32	0.453	0.097	0.640	0.213	0.03	0.193	0.014	0.202	0.219
		0.433	0.091	0.610	0.193		0.183	0.010	0.172	
PN 1510	#10-24	0.453	0.097	0.640	0.244	0.03	0.193	0.014	0.202	0.250
		0.433	0.091	0.610	0.224		0.183	0.010	0.172	
PN 1710	#10-32	0.453	0.097	0.640	0.244	0.03	0.193	0.014	0.202	0.250
		0.433	0.091	0.610	0.224		0.183	0.010	0.172	
PN 2113	1/4-20	0.520	0.128	0.827	0.307	0.05	0.224	0.025	0.265	0.312
		0.495	0.122	0.797	0.287		0.214	0.021	0.235	
PN 2213	1/4-28	0.520	0.128	0.827	0.307	0.05	0.224	0.025	0.265	0.312
		0.495	0.122	0.797	0.287		0.214	0.021	0.235	
PN 2716	5/16-18	0.655	0.145	0.999	0.369	0.08	0.317	0.029	0.296	0.375
		0.620	0.139	0.969	0.349		0.307	0.025	0.266	
PN 3318	3/8-16	0.655	0.145	1.140	0.448	0.09	0.317	0.029	0.359	0.453
		0.620	0.139	1.110	0.428		0.307	0.025	0.329	
PN 3418	3/8-24	0.655	0.145	1.140	0.448	0.09	0.317	0.029	0.359	0.453
		0.620	0.139	1.110	0.428		0.307	0.025	0.329	



The PN weld nut features a strong single button projection which gives a deeper, more penetrating weld than is ordinarily obtained from other types of projections. Thus, the PN is ideal for use with heavier gage material. The PN weld nut is easy to position on both flat and curved surfaces and has a self-locating pilot that provides more thread depth. Use of the PN nut assures a positive and permanent fastener foundation.



Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

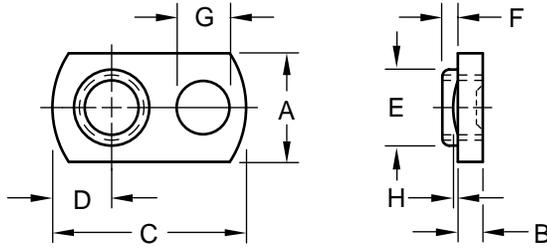
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Single Projection Tab Weld Nut

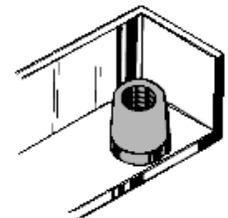


Product Specification Sheet

Part Number	Thread Size	Width		Thick-ness	Length	Pilot To End	Pilot		Projection		Hole In Sheet
				Tol.	Tol.	Tol.	Dia.	Height	Dia.	Height	
				+ 0.1	+ 0.4	+ 0.4	+ 0.2	+ 0.3	+ 0.10	+ 0.06	
		- 0.1	- 0.4	- 0.4	- 0.3	- 0.1	- 0.15	- 0.05			
A		Tol. A	B	C	D	E	F	G	H		
PNM 03516	M3.5 x 0.6-6H	11.0	+ 0.3 - 0.2	2.4	16.0	4.8	4.8	0.8	4.80	0.3	5.2
PNM 04016	M4 x 0.7-6H	11.0	+ 0.3 - 0.2	2.4	16.0	4.8	5.2	0.8	4.80	0.3	5.6
PNM 05016	M5 x 0.8-6H	11.0	+ 0.3 - 0.2	2.4	16.0	4.8	6.0	0.8	4.80	0.3	6.4
PNM 06020	M6 x 1-6H	13.0	+ 0.4 - 0.3	3.2	20.5	6.4	7.6	1.2	5.60	0.58	8.0
PNM 08025	M8 x 1.25-6H	16.0	+ 0.4 - 0.3	3.6	25.0	7.1	9.2	2.0	7.95	0.68	9.6
PNM 10028	M10 x 1.5-6H	16.0	+ 0.4 - 0.3	3.6	28.5	8.7	11.8	2.4	7.95	0.68	12.2



The PNM metric weld nut features a strong single button projection which gives a deeper, more penetrating weld than is ordinarily obtained from other types of projections. Thus, the PNM is ideal for use with heavier gage material. The PNM weld nut is easy to position on both flat and curved surfaces and has a self-locating pilot that provides more thread depth. Use of the PNM nut assures a positive and permanent fastener foundation.



Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: ASME B1.13M-2005

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

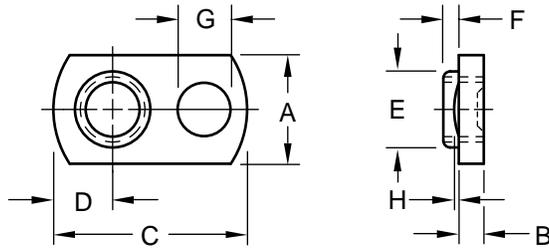
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Single Projection Tab Weld Nut

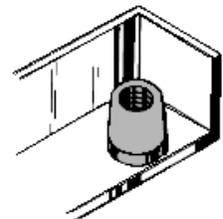


Product Specification Sheet

Part Number	Thread Size	Width	Thickness	Length	Pilot		Projection		Center Hole To Short End	Hole In Sheet
					Dia.	Height	Dia.	Height		
					E	F	G	H		
PNZ 1406	#8-32	0.390	0.097	0.640	0.213	0.03	0.193	0.014	0.202	0.219
		0.370	0.091	0.610	0.193		0.183	0.010	0.172	
PNZ 1506	#10-24	0.390	0.097	0.640	0.244	0.03	0.193	0.014	0.202	0.250
		0.370	0.091	0.610	0.224		0.183	0.010	0.172	
PNZ 1706	#10-32	0.390	0.097	0.640	0.244	0.03	0.193	0.014	0.202	0.250
		0.370	0.091	0.610	0.224		0.183	0.010	0.172	
PNZ 2113	1/4-20	0.520	0.128	0.827	0.307	0.05	0.224	0.025	0.265	0.312
		0.495	0.122	0.797	0.287		0.214	0.021	0.235	
PNZ 2213	1/4-28	0.520	0.128	0.827	0.307	0.05	0.224	0.025	0.265	0.312
		0.495	0.122	0.797	0.287		0.214	0.021	0.235	
PNZ 2718	5/16-18	0.655	0.145	1.140	0.369	0.08	0.317	0.029	0.359	0.375
		0.620	0.139	1.110	0.349		0.307	0.025	0.329	
PNZ 3318	3/8-16	0.655	0.145	1.140	0.448	0.09	0.317	0.029	0.359	0.453
		0.620	0.139	1.110	0.428		0.307	0.025	0.329	
PNZ 3418	3/8-24	0.655	0.145	1.140	0.448	0.09	0.317	0.029	0.359	0.453
		0.620	0.139	1.110	0.428		0.307	0.025	0.329	



The PNZ stainless steel weld nut features a strong single button projection which gives a deeper, more penetrating weld than is ordinarily obtained from other types of projections. Thus, the PNZ is ideal for use with heavier gage material. The PNZ weld nut is easy to position on both flat and curved surfaces and has a self-locating pilot that provides more thread depth. Use of the PNZ nut assures a positive and permanent fastener foundation.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

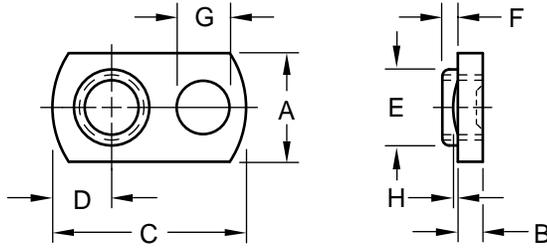
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Stainless
Steel Single
Projection
Tab Weld Nut**

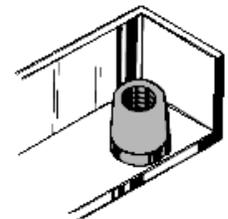


**Product
Specification
Sheet**

Part Number	Thread Size / Pitch	Width		Thickness	Length	Pilot Center To End	Pilot		Projection		Hole In Sheet
				Tol.	Tol.	Tol.	Dia. Tol.	Height	Dia. Tol.	Height Tol.	
				+ 0.1 - 0.1	+ 0.4 - 0.4	+ 0.4 - 0.4	+ 0.2 - 0.3		+ 0.1 - 0.15	+ 0.06 - 0.05	
		A	Tol. "A"	B	C	D	E	F	G	H	
PNZ 04016	M4 x 0.7-6H	9.6	+ 0.3 - 0.2	2.4	15.9	4.7	5.2	0.76	4.8	0.3	5.6
PNZ 05016	M5 x 0.8-6H	9.6	+ 0.3 - 0.2	2.4	15.9	4.7	6.0	0.76	4.8	0.3	6.4
PNZ 06020	M6 x 1-6H	12.9	+ 0.3 - 0.3	3.2	20.6	6.3	7.6	1.3	5.6	0.58	8.0
PNZ 08028	M8 x 1.25-6H	16.15	+ 0.5 - 0.4	3.6	28.6	8.7	9.2	2.0	7.95	0.68	9.6



The PNZ metric stainless steel weld nut features a strong single button projection which gives a deeper, more penetrating weld than is ordinarily obtained from other types of projections. Thus, the PNZ is ideal for use with heavier gage material. The PNZ weld nut is easy to position on both flat and curved surfaces and has a self-locating pilot that provides more thread depth. Use of the PNZ nut assures a positive and permanent fastener foundation.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: ASME B1.13M-2005

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

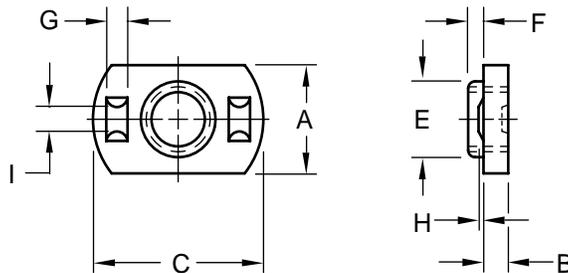
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



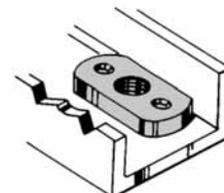
**Dual Rib
Projection
Tab Weld Nut**



**Product
Specification
Sheet**

Part Number	Thread Size	Width A	Thickness B	Length C	Pilot		Projection			Hole In Sheet
					Dia. E	Height F	Width G	Height H	Length I	
RN 1110	#6-32	0.390	0.097	0.640	0.198	0.03	0.099	0.014	0.109	0.203
		0.370	0.091	0.610	0.178		0.089	0.010	0.079	
RN 1410	#8-32	0.390	0.097	0.640	0.213	0.03	0.099	0.014	0.109	0.219
		0.370	0.091	0.610	0.193		0.089	0.010	0.079	
RN 1510	#10-24	0.390	0.097	0.640	0.244	0.03	0.099	0.014	0.109	0.250
RN 1710	#10-32	0.370	0.091	0.610	0.224		0.089	0.010	0.079	
RN 2113	1/4-20	0.520	0.128	0.827	0.307	0.05	0.130	0.025	0.140	0.312
RN 2213	1/4-28	0.495	0.122	0.797	0.287		0.120	0.021	0.110	
RN 2716	5/16-18	0.655	0.145	0.999	0.369	0.08	0.130	0.029	0.156	0.375
RN 2816	5/16-24	0.620	0.139	0.969	0.349		0.120	0.025	0.126	
RN 3316	3/8-16	0.655	0.145	0.999	0.448	0.09	0.130	0.029	0.156	0.453
RN 3416	3/8-24	0.620	0.139	0.969	0.428		0.120	0.025	0.126	
RN 4418	1/2-13	0.797	0.191	1.140	0.599	0.09	0.130	0.030	0.171	0.609
		0.734	0.185	1.110	0.569		0.120	0.026	0.141	

The slim, clean lines of the RN weld nut, with its self-locating pilot, has earned wide acceptance among designers of metal products. The RN nut has a pair of rib projections which are precisely located on either side of the threaded hole. This feature assures equal strength when tension is against the weld. A precision pilot greatly speeds feeding by locating itself quickly and positively in the hole. As a result of the pilot being held to close tolerances, the RN nut is ideal for extreme accuracy demanded in automated production lines. The RN nut also has good thread depth providing strong secure thread engagement



Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: Unified Standard Class 2B
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

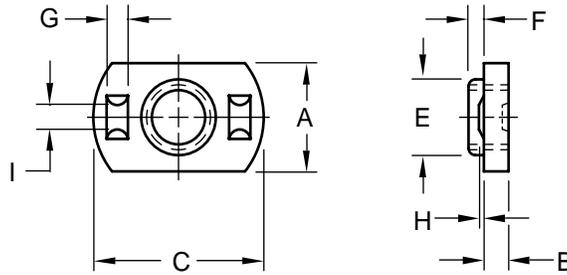
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Dual Rib
Projection
Tab Weld Nut**

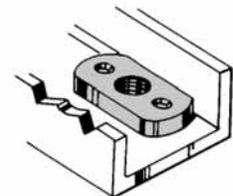


**Product
Specification
Sheet**

Part Number	Thread Size/Pitch	Width		Thick-ness	Length	Pilot		Projection			Hole In Sheet
						Dia.	Height	Width	Height	Length	
				Tol.	Tol.	Tol.	Tol.	Tol.	Tol.	Tol.	
		+ 0.1 - 0.1	+ 0.4 - 0.4	+ 0.2 - 0.3	+ 0.3 - 0.1	+ 0.10 - 0.15	+ 0.06 - 0.05	+ 0.4 - 0.4			
A Tol. A		B	C	E	F	G	H	I			
RNM 03516	M3.5 x 0.6-6H	9.6	+ 0.3 - 0.2	2.4	16.0	4.8	0.8	2.4	0.30	2.4	5.2
RNM 04016	M4 x 0.7-6H	9.6	+ 0.3 - 0.2	2.4	16.0	5.2	0.8	2.4	0.30	2.4	5.6
RNM 05016	M5 x 0.8-6H	9.6	+ 0.3 - 0.2	2.4	16.0	6.0	0.8	2.4	0.30	2.4	6.4
RNM 06020	M6 x 1-6H	13.0	+ 0.4 - 0.3	3.2	20.5	7.6	1.2	3.2	0.58	3.2	8.0
RNM 08025	M8 x 1.25-6H	16.0	+ 0.4 - 0.3	3.6	25.0	9.2	2.0	3.2	0.68	3.6	9.6
RNM 12002	M12 x 1.75-6H	19.0	+ 1.3 - 0.4	4.8	28.5	14.5 13.7	2.4	3.2	0.71	4.0	14.7



The slim, clean lines of the RNM weld nut, with its self-locating pilot, has earned wide acceptance among designers of metal products. The RNM nut has a pair of rib projections which are precisely located on either side of the threaded hole. This feature assures equal strength when tension is against the weld. A precision pilot greatly speeds feeding by locating itself quickly and positively in the hole. As a result of the pilot being held to close tolerances, the RNM nut is ideal for extreme accuracy demanded in automated production lines. The RNM nut also has good thread depth providing strong secure thread engagement



Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: ASME B1.13M-2005

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

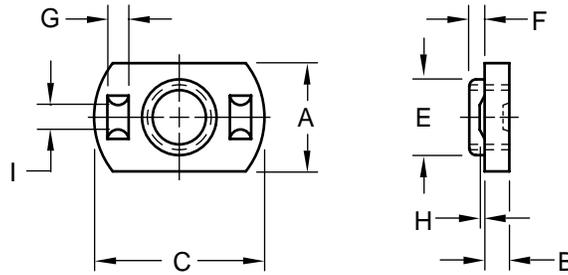
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Dual Rib Projection Tab Weld Nut

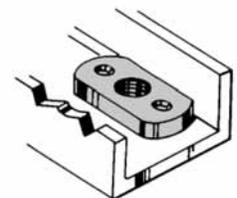


Product Specification Sheet

Part Number	Thread Size	Width	Thickness	Length	Pilot		Projection			Hole In Sheet
					Dia.	Height	Width	Height	Length	
					E	F	G	H	I	
RNZ 1410	#8-32	0.390	0.097	0.640	0.213	0.03	0.099	0.014	0.109	0.219
		0.370	0.091	0.610	0.193		0.089	0.010	0.079	
RNZ 1510	#10-24	0.390	0.097	0.640	0.244	0.03	0.099	0.014	0.109	0.250
		0.370	0.091	0.610	0.224		0.089	0.010	0.079	
RNZ 1710	#10-32	0.390	0.097	0.640	0.244	0.03	0.099	0.014	0.109	0.250
RNZ 2113	1/4-20	0.520	0.128	0.827	0.307	0.05	0.130	0.025	0.140	0.312
		0.495	0.122	0.797	0.287		0.120	0.021	0.110	
RNZ 2213	1/4-28	0.520	0.128	0.827	0.307	0.05	0.130	0.025	0.140	0.312
		0.495	0.122	0.797	0.287		0.120	0.021	0.110	
RNZ 2716	5/16-18	0.655	0.145	0.999	0.369	0.08	0.130	0.029	0.156	0.375
		0.620	0.139	0.969	0.349		0.120	0.025	0.126	
RNZ 2816	5/16-24	0.655	0.145	0.999	0.369	0.08	0.130	0.029	0.156	0.375
		0.620	0.139	0.969	0.349		0.120	0.025	0.126	
RNZ 3316	3/8-16	0.655	0.145	0.999	0.448	0.09	0.130	0.029	0.156	0.453
		0.620	0.139	0.969	0.428		0.120	0.025	0.126	
RNZ 3416	3/8-24	0.655	0.145	0.999	0.448	0.09	0.130	0.029	0.156	0.453
		0.620	0.139	0.969	0.428		0.120	0.025	0.126	
RNZ 4418	1/2-13	0.797	0.166	1.140	0.599	0.09	0.130	0.031	0.154	0.609
		0.734	0.146	1.110	0.559		0.120	0.025	0.094	



The slim, clean lines of the stainless steel RNZ weld nut, with its self-locating pilot, has earned wide acceptance among designers of stainless steel products. The RNZ nut has a pair of rib projections which are precisely located on either side of the threaded hole. This feature assures equal strength when tension is against the weld. A precision pilot greatly speeds feeding by locating itself quickly and positively in the hole. As a result of the pilot being held to close tolerances, the RNZ nut is ideal for extreme accuracy demanded in automated production lines. The stainless steel RNZ nut also had good thread depth providing strong secure thread engagement



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

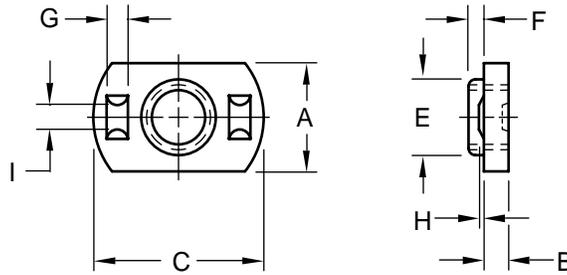
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Stainless
Steel
Dual Rib
Projection
Tab Weld Nut**

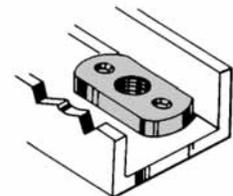


**Product
Specification
Sheet**

Part Number	Thread Size / Pitch	Width		Thick-ness	Length	Pilot		Projection			Hole In Sheet
						Dia.	Height	Width	Height	Length	
				Tol.	Tol.	Tol.	Tol.	Tol.	Tol.	Tol.	
		A	Tol. "A"	B	C	E	F	G	H	I	
RNZ 04016	M4 X 0.7-6H	9.6	+ 0.3 - 0.2	2.4	16.0	5.2	0.8	2.4	0.30	2.4	5.6
RNZ 05016	M5 X 0.8-6H	9.6	+ 0.3 - 0.2	2.4	16.0	6.0	0.8	2.4	0.30	2.4	6.4
RNZ 06020	M6 X 1-6H	13.0	+ 0.2 - 0.4	3.2	20.5	7.6	1.2	3.2	0.58	3.2	8.0
RNZ 08025	M8 x 1.25-6H	16.0	+ 0.6 - 0.3	3.6	25.0	9.2	2.0	3.2	0.68	3.6	9.6



The slim, clean lines of the metric stainless steel RNZ metric weld nut, with its self-locating pilot, has earned wide acceptance among designers of metric stainless steel products. The RNZ nut has a pair of rib projections which are precisely located on either side of the threaded hole. This feature assures equal strength when tension is against the weld. A precision pilot greatly speeds feeding by locating itself quickly and positively in the hole. As a result of the pilot being held to close tolerances, the RNZ nut is ideal for extreme accuracy demanded in automated production lines. The metric stainless steel RNZ nut also has good thread depth providing strong secure thread engagement.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: ASME B1.13M-2005

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

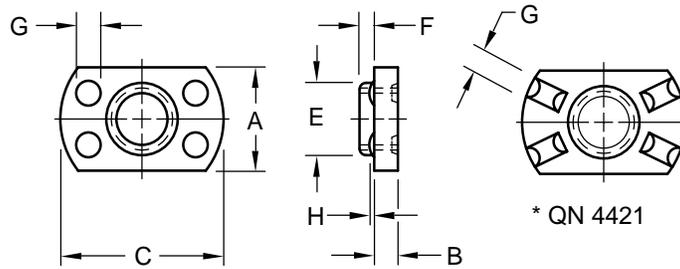
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Four Projection Tab Weld Nut



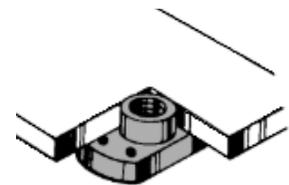
Product Specification Sheet

Part Number	Thread Size	Width	Thickness	Length	Pilot		Projection		Hole In Sheet
					Dia.	Height	Diameter	Height	
					E	F	G	H	
QN 1401	#8-32	0.453	0.097	0.640	0.213	0.03	0.095	0.017	0.219
		0.433	0.091	0.610	0.193		0.085	0.013	
QN 1501	#10-24	0.453	0.097	0.640	0.244	0.03	0.095	0.017	0.250
		0.433	0.091	0.610	0.224		0.085	0.013	
QN 1701	#10-32	0.453	0.097	0.640	0.244	0.03	0.095	0.017	0.250
		0.433	0.091	0.610	0.224		0.085	0.013	
QN 2113	1/4-20	0.520	0.097	0.827	0.291	0.05	0.130	0.022	0.297
		0.495	0.091	0.797	0.271		0.120	0.018	
QN 2716	5/16-18	0.655	0.128	0.999	0.369	0.08	0.155	0.032	0.375
		0.620	0.122	0.969	0.349		0.145	0.028	
QN 3316	3/8-16	0.655	0.128	0.999	0.448	0.09	0.155	0.032	0.453
		0.620	0.122	0.969	0.428		0.145	0.028	
* QN 4421	1/2-13	0.797	0.191	1.266	0.599	0.09	0.130	0.030	0.609
		0.734	0.185	1.234	0.569		0.120	0.026	



The QN weld nut has four identical precision projections. They are positioned to fuse simultaneously so each projection flows and seats properly for maximum weld strength. The four projections provide additional weld area coverage with maximum strength.

The pilot on the QN weld nut provides additional thread engagement and prevents any possible shunting of the projections onto the threads. This eliminates the necessity of retapping filled threads.



Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

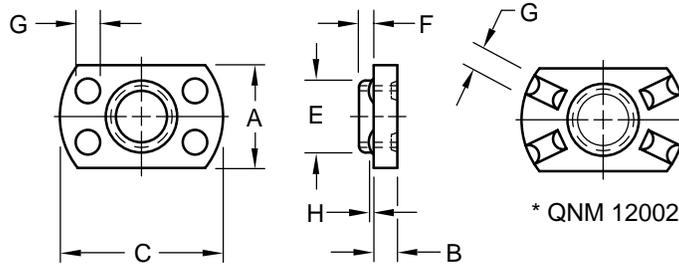
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric Four
Projection
Tab Weld Nut**



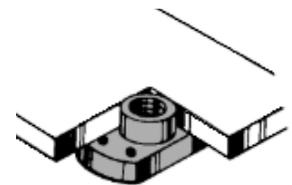
**Product
Specification
Sheet**

Part Number	Thread Size	Width		Thickness	Length	Pilot		Projection		Hole In Sheet
				Tol.	Tol.	Dia.	Height	Dia.	Height	
				+ 0.1 - 0.1	+ 0.4 - 0.4	+ 0.2 - 0.3	+ 0.3 - 0.1	+ 0.10 - 0.15	+ 0.06 - 0.05	
		A	Tol. "A"	B	C	E	F	G	H	
QNM 04016	M4 x 0.7-6H	11.0	+ 0.3 - 0.2	2.4	16.0	5.2	0.8	2.30	0.38	5.6
QNM 05016	M5 x 0.8-6H	11.0	+ 0.3 - 0.2	2.4	16.0	6.0	0.8	2.30	0.38	6.4
QNM 06020	M6 x 1-6H	13.0	+ 0.5 - 0.3	2.4	20.5	7.2	1.2	3.20	0.50	7.6
QNM 08025	M8 x 1.25-6H	16.0	+ 0.5 - 0.3	3.2	25.0	9.2	2.0	3.85	0.76	9.6
QNM 10026	M10 x 1.5-6H	16.0	+ 0.5 - 0.3	3.2	25.0	11.2	2.4	3.85	0.76	11.6
QNM 12002 *	M12 x 1.75-6H	19.0	+ 1.3 - 0.4	4.8	32.0	14.5 13.7	2.4	Width 3.20	0.70	14.7



The QNM metric weld nut has four identical precision projections. They are positioned and manufactured to fuse simultaneously so each projection flows and seats properly for maximum weld strength. The four projections provide additional weld area coverage with maximum strength.

The pilot on the QNM weld nut provides additional thread engagement and prevents any possible shunting of the projections onto the threads. This eliminates the necessity of retapping filled threads.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

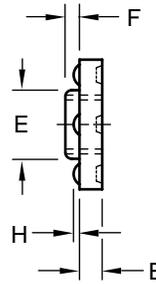
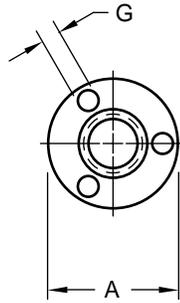
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Round
Projection
Weld Nut**

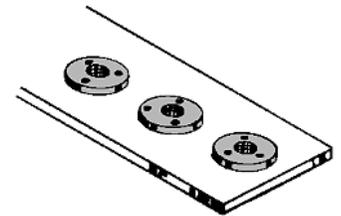


**Product
Specification
Sheet**

Part Number	Thread Size	Diameter	Thickness	Pilot		Projections		Hole In Sheet
				Dia.	Height	Diameter	Height	
		A	B	E	F	G	H	
RD 1101	#6-32	0.457	0.097	0.198	0.03	0.075	0.018	0.203
		0.442	0.091	0.178		0.065	0.014	
RD 1401	#8-32	0.457	0.097	0.213	0.03	0.075	0.018	0.219
		0.442	0.091	0.193		0.065	0.014	
RD 1501	#10-24	0.457	0.097	0.244	0.03	0.075	0.018	0.250
		0.442	0.091	0.224		0.065	0.014	
RD 1701	#10-32	0.457	0.097	0.244	0.03	0.075	0.018	0.250
		0.442	0.091	0.224		0.065	0.014	
RD 2109	1/4-20	0.570	0.127	0.307	0.05	0.095	0.022	0.312
		0.555	0.123	0.287		0.085	0.018	
RD 2712	5/16-18	0.740	0.145	0.369	0.08	0.125	0.037	0.374
		0.725	0.139	0.349		0.115	0.033	



The RD weld nut was manufactured for applications where orientation is a factor, where there are space limitations and where they will be applied by automatic equipment. The RD weld nut is a self-locating, through-hole weld nut with three precision, spherical weld projections that give strong, uniform welds.



RD projection weld nuts offer clean looks and reliability. They can speed up production and reduce fastening costs.

Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

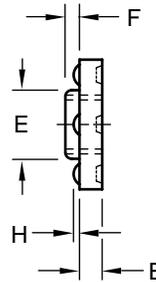
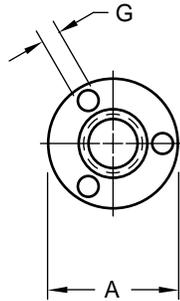
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric Round
Projection
Weld Nut**



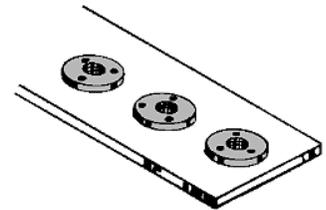
**Product
Specification
Sheet**

Part Number	Thread Size	Diameter	Thickness	Pilot		Projection		Hole In Sheet
		Tol.	Tol.	Dia.	Height	Dia.	Height	
		+ 0.3	+ 0.1	+ 0.2	+ 0.3	+ 0.10	+ 0.06	
		- 0.2	- 0.1	- 0.3	- 0.1	- 0.15	- 0.05	
		A	B	E	F	G	H	
RDM 03011	M3 x 0.5-6H	11.4	2.4	3.8	0.8	1.8	0.4	4.2
RDM 03511	M3.5 x 0.6-6H	11.4	2.4	4.8	0.8	1.8	0.4	5.2
RDM 04011	M4 x 0.7-6H	11.4	2.4	5.2	0.8	1.8	0.4	5.6
RDM 05011	M5 x 0.8-6H	11.4	2.4	6.0	0.8	1.8	0.4	6.4
RDM 06014	M6 x 1-6H	14.3	3.2	7.6	1.2	2.3	0.5	8.0
RDM 08018	M8 x 1.25-6H	18.5	3.6	9.2	2.0	3.1	0.9	9.6



The RDM weld nut is a newly developed mini-weld fastener. It was manufactured for applications where orientation is a factor, where there are space limitations and where they will be applied by automatic equipment. The RDM weld nut is a self-locating, through-hole weld nut with three precision, spherical weld projections that give strong, uniform welds.

RDM projection weld nuts offer clean looks and reliability. They can speed up production and reduce fastening costs.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

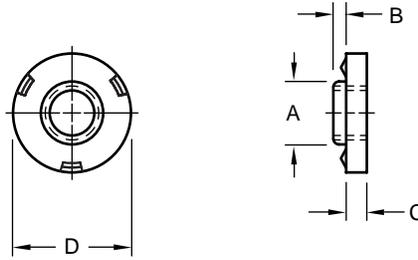
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Round Piloted Projection Weld Nut



Product Specification Sheet

Low Carbon Steel

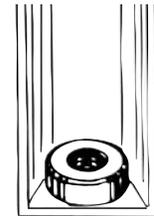
Part Number	Thread Size	A Pilot Diameter +.000 -.006	B Pilot Height	C Thickness	D Diameter
BFWN 440	4-40	.171	.030	.063	.310
BFWN 632	6-32	.191	.030	.093	.340
BFWN 832	8-32	.216	.030	.107	.370
BFWN 1024	10-24	.248	.030	.155	.440
BFWN 1032	10-32	.248	.030	.155	.440
BFWN 1420	1/4-20	.315	.048	.185	.520

Stainless Steel (Series 300)

Part Number	Thread Size	A Pilot Diameter +.000 -.006	B Pilot Height	C Thickness	D Diameter
BFWNS 440	4-40	.171	.030	.063	.310
BFWNS 632	6-32	.191	.030	.093	.340
BFWNS 832	8-32	.216	.030	.107	.370
BFWNS 1024	10-24	.248	.030	.155	.440
BFWNS 1032	10-32	.248	.030	.155	.440
BFWNS 1420	1/4-20	.315	.048	.185	.520



The BFWN and BFWNS series part is ideally suited for use in confined areas because of its small diameter relative to the thread size. The precision pilot orients the nut in the mounting hole eliminating the need for fixturing or special electrodes.



Material:..... C1010 High-Welding
 Quality, Low Carbon Steel
 Finish:..... Plain, Unless Specified
 Threads:..... Unified Standard Class 2B
 ASME B 1.1-2003

Tensile Strength:.....60,000 psi
 Yield Point:..... 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2"30% Max.

Material:..... 18-8 Stainless Steel
 Finish:..... Passivated
 Threads:..... Unified Standard Class 2B
 ASME B 1.1-2003

Tensile Strength:.....80,000 psi
 Yield Point:..... 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

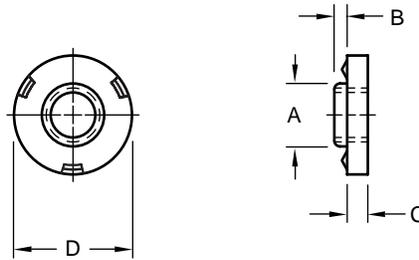
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric Round
Piloted
Projection
Weld Nut**



**Product
Specification
Sheet**

Metric – Low Carbon Steel

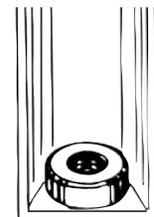
Part Number	Thread Size	A Pilot Diameter	B Pilot Height	C Thickness ±0.1	D Diameter
BFWN M3	M3 x 0.5	4.35	0.75	1.5	8.0
BFWN M4	M4 x 0.7	5.50	0.76	2.6	9.6
BFWN M5	M5 x 0.8	6.30	0.76	3.8	11.1
BFWN M6	M6 x 1.0	8.00	1.24	4.6	13.2

Metric – Stainless Steel (Series 300)

Part Number	Thread Size	A Pilot Diameter	B Pilot Height	C Thickness ±0.1	D Diameter
BFWNS M4	M4 x 0.7	5.50	0.76	2.6	9.6
BFWNS M5	M5 x 0.8	6.30	0.76	3.8	11.1
BFWNS M6	M6 x 1.0	8.00	1.24	4.6	13.2



The BFWN and BFWNS series part is ideally suited for use in confined areas because of its small diameter relative to the thread size. The precision pilot orients the nut in the mounting hole eliminating the need for fixturing or special electrodes.



Material:..... C1010 High-Welding
..... Quality, Low Carbon Steel
Finish:..... Plain, Unless Specified
Threads:..... ASME B 1.13M-2005

Tensile Strength:.....60,000 psi
Yield Point:.....30,000 psi
Shear Strength:.....30,000 psi
Elongation 2" 30% Max.

Material:..... 18-8 Stainless Steel
Finish:..... Passivated
Threads:..... ASME B 1.13M-2005

Tensile Strength:.....80,000 psi
Yield Point:.....35,000 psi
Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

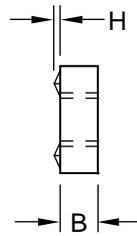
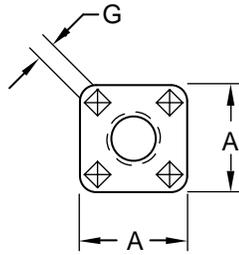
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Square Unpiloted Projection Weld Nut

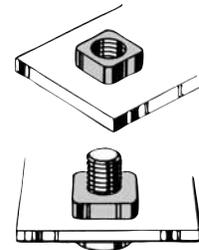


Product Specification Sheet

Part Number	Thread Size	Projection			
		Width	Thick.	Width	Height
		A	B	G	H
WS 1102	#6-32	0.438	0.116	0.083	0.027
		0.423	0.106	0.073	0.023
WS 1401	#8-32	0.438	0.195	0.083	0.027
		0.423	0.185	0.073	0.023
WS 1501	#10-24	0.438	0.195	0.083	0.027
		0.423	0.185	0.073	0.023
WS 1601	#10-32	0.438	0.195	0.083	0.027
		0.423	0.185	0.073	0.023
WS 2101	1/4-20	0.500	0.195	0.083	0.031
		0.485	0.185	0.073	0.027
WS 2102	1/4-20	0.562	0.226	0.099	0.037
		0.547	0.216	0.089	0.033
WS 2701	5/16-18	0.562	0.226	0.099	0.037
		0.547	0.216	0.089	0.033
WS 3301	3/8-16	0.625	0.257	0.114	0.037
		0.610	0.247	0.104	0.033



The WS weld nut is a square nut with four projections located to provide proper seating and sturdy positive welds. It also has deep threads for secure engagement and strength. The WS weld nut is also countersunk on both sides to guide the mating screw quickly into the threads. Rounded corners on the WS weld nut ease use in confined areas. The WS is easily fixtured for rapid welding by a locator pin in the electrode.



WS projection weld nuts provide strong, primary fastener foundations which can improve product reliability, speed production and help reduce fastening costs.

Material: C1010 High-Welding
 Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

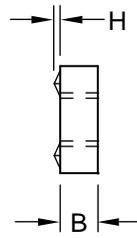
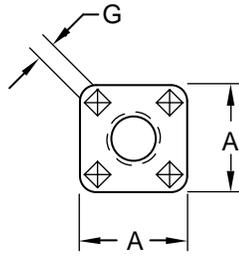
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Square Unpiloted Projection Weld Nut

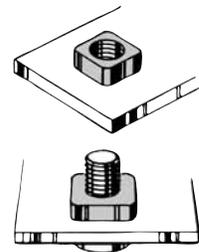


Product Specification Sheet

Part Number	Thread Size / Pitch	Width	Thickness	Projection	
		Tol.	Tol.	Width Tol.	Height Tol.
		+ 0.1	+ 0.0	+ 0.0	+ 0.08
		- 0.3	- 0.3	- 0.3	- 0.08
		A	B	G	H
WSM 03511	M3.5 x 0.6-6H	11.0	3.0	2.14	0.64
WSM 04011	M4 x 0.7-6H	11.0	5.0	2.14	0.64
WSM 05011	M5 x 0.8-6H	11.0	5.0	2.14	0.64
WSM 06012	M6 x 1-6H	12.6	5.0	2.14	0.74
WSM 06014	M6 x 1-6H	14.2	5.8	2.54	0.89
WSM 08014	M8 x 1.25-6H	14.2	5.8	2.54	0.89
WSM 10015	M10 x 1.5-6H	15.8	6.6	2.92	0.89



The metric WSM weld nut is a square nut with four projections located to provide proper seating and sturdy positive welds. It also has deep threads for secure engagement and strength. The WSM weld nut is also countersunk on both sides to guide the mating screw quickly into the threads. Rounded corners on the WSM weld nut ease use in confined areas. The WSM is easily fixtured for rapid welding by a locator pin in the electrode.



WSM projection weld nuts provide strong, primary fastener foundations which can improve product reliability, speed production and help reduce fastening costs.

Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified
 Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
 Yield Point:30,000 psi
 Shear Strength:30,000 psi
 Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

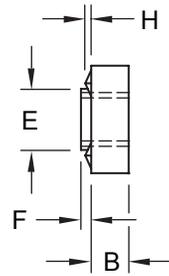
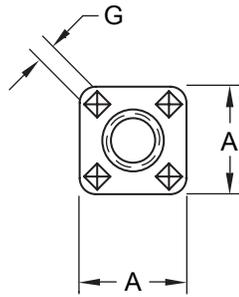
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Square Piloted Projection Weld Nut

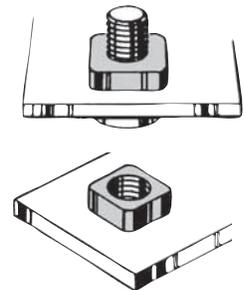


Product Specification Sheet

Part Number	Thread Size	Width A	Thick. B	Pilot		Projection	
				Dia.	Hgt.	Width G	Height H
				E	F	G	H
WP 1101	#6-32	0.438	0.116	0.188	0.048	0.083	0.027
		0.423	0.106	0.178	0.040	0.073	0.023
WP 1401	#8-32	0.438	0.150	0.203	0.048	0.083	0.027
		0.423	0.140	0.193	0.040	0.073	0.023
WP 1501	#10-24	0.438	0.150	0.234	0.048	0.083	0.027
		0.423	0.140	0.224	0.040	0.073	0.023
WP 1601	#10-32	0.438	0.150	0.234	0.048	0.083	0.027
		0.423	0.140	0.224	0.040	0.073	0.023
WP 2101	1/4-20	0.500	0.195	0.297	0.052	0.083	0.031
		0.485	0.185	0.287	0.044	0.073	0.027
WP 2701	5/16-18	0.625	0.226	0.360	0.062	0.114	0.037
		0.610	0.216	0.350	0.054	0.104	0.033



The WP weld nut is a square, piloted projection weld nut for use in through-hole applications. A precision pilot facilitates feeding by locating quickly and positively in the sheet hole. The WP is also countersunk on both sides to guide the mating part quickly into the threads. Rounded corners ease use in confined areas and the four projections provide proper seating and strong welds.



WP piloted projection weld nuts provide strong fastener bases which improve product reliability, speed production and reduce fastening costs.

Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: Unified Standard Class 2B
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

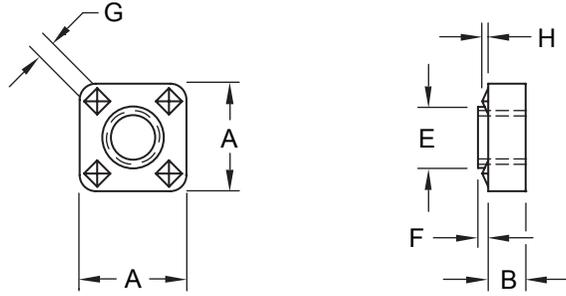
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Square
Piloted
Projection
Weld Nut**



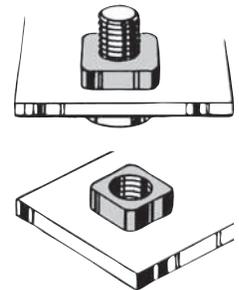
**Product
Specification
Sheet**

Part Number	Thread Size / Pitch	Width	Thickness	Pilot		Projection	
		Tol.	Tol.	Diameter	Height	Width	Height
		+ 0.1	+ 0.0	Tol.	Tol.	Tol.	Tol.
		- 0.3	- 0.3	+ 0.15	+ 0.1	+ 0.0	+ 0.08
	A	B	E	F	G	H	
WPM 03511	M3.5 x 0.6-6H	11.0	3.0	4.6	1.12	2.14	0.64
WPM 04011	M4 x 0.7-6H	11.0	3.8	5.0	1.12	2.14	0.64
WPM 05011	M5 x 0.8-6H	11.0	3.8	5.8	1.12	2.14	0.64
WPM 06012	M6 x 1-6H	12.6	5.0	7.4	1.22	2.14	0.74
WPM 08002	M8 x 1.25-6H	15.8	5.8	9.6	Tol. ± 0.1 1.50	2.92	0.89



The WPM weld nut is a square, piloted projection weld nut for use in through-hole applications. A precision pilot facilitates feeding by locating quickly and positively in the sheet hole. The WPM is also countersunk on both sides to guide the mating part quickly into the threads. Rounded corners ease use in confined areas and the four projections provide proper seating and strong welds.

WPM piloted projection weld nuts provide strong fastener bases which improve product reliability, speed production and reduce fastening costs.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

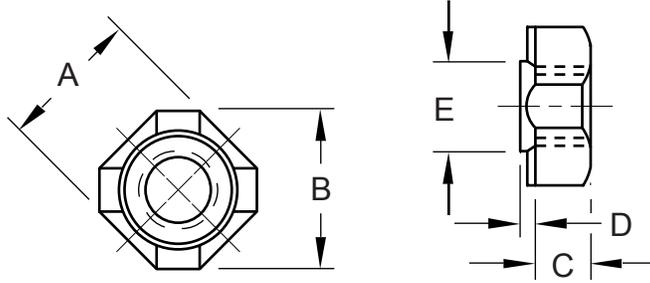
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Square Piloted Projection Weld Nut



Product Specification Sheet

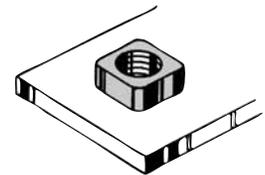
PART NUMBER	THREAD SIZE	A WIDTH ACROSS FLATS		B WIDTH ACROSS CORNERS MIN.	C THICKNESS		D PILOT HEIGHT +/- .005	E PILOT DIA. +.000 -.007
		MAX.	MIN.		MAX.	MIN.		
2004-1 2004	1/4-20	.500	.489	.574	.164 .133	.148 .117	.062 .094	.406
2005-1 2005	1/4-28	.500	.489	.574	.164 .133	.148 .117	.062 .094	.406
2006-1 2006/2006X	5/16-18	.562	.551	.624	.195	.179	.062 .094	.469
2007-1 2007	5/16-24	.562	.551	.624	.195	.179	.062 .094	.469
2008-1 2008/2008X	3/8-16	.625	.612	.715	.258	.242	.062 .094	.531
2009-1 2009	3/8-24	.625	.612	.715	.258	.242	.062 .094	.531
2010-1 2010	7/16-14	.750	.736	.855	.320	.304	.062 .094	.656
2011-1 2011	7/16-20	.750	.736	.855	.320	.304	.062 .094	.656
2012-1 2012/2012X	1/2-13	.812	.788	.918	.383	.367	.062 .094	.719
2013-1 2013	1/2-20	.812	.788	.918	.383	.367	.062 .094	.719
2016	5/8-11	.880	.861	.999	.445	.429	.094	.781

X Indicates an Import (Subject to a minimum ordering quantity)

Projection Height - F .042/.032 for .062 pilot .052/.043 for .094 pilot



Long a favorite of automotive and farm equipment manufacturers, the square, piloted weld nut has four large weld projections to ensure a strong, reliable weld every time. The countersunk locating pilot guides the mating part into the threaded hole. Available in two pilot heights so it can be welded to a wide range of metal thicknesses.



Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

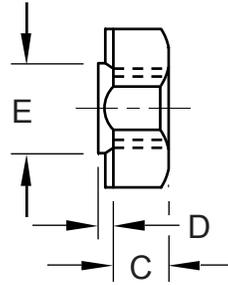
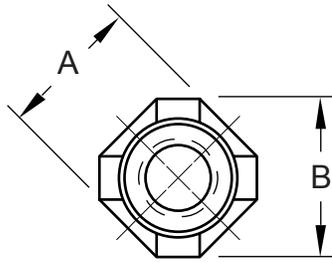
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Square
Piloted
Projection
Weld Nut**



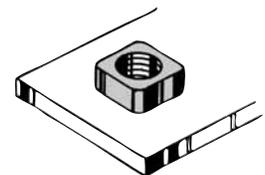
**Product
Specification
Sheet**

Part Number	Thread Size	A Width Across Flats	B Width Across Corners	C Thickness	D Pilot Height	E Pilot Dia.	F Projection Height
DEK M6-1	M6 x 1	13.0 12.7	16.2 15.1	5.5 5.2	1.71 1.45	10.1 9.8	1.06 .80
DEK M6-1X	M6 x 1	13.0 12.7	16.2 15.1	5.5 5.2	1.71 1.45	10.1 9.8	1.06 .80
DEK M8-1	M8 x 1.25	14.0 13.7	17.5 16.3	7.4 7.0	1.71 1.45	11.6 11.3	1.06 .80
DEK M8-1X	M8 x 1.25	14.0 13.7	17.5 16.3	7.4 7.0	1.71 1.45	11.6 11.3	1.06 .80
DEK M10	M10 x 1.5	16.0 15.7	20.0 18.7	8.4 7.9	2.51 2.25	13.6 13.3	1.31 1.05

X Indicates an Import (Subject to a minimum ordering quantity)



Long a favorite of automotive and farm equipment manufacturers, the square, piloted weld nut has four large weld projections to ensure a strong, reliable weld every time. The countersunk locating pilot guides the mating part into the threaded hole.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

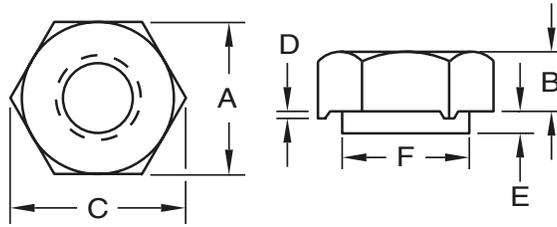
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Hex Piloted Weld Nut With Three Projections



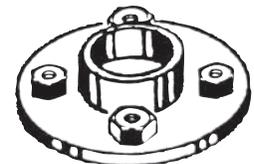
Product Specification Sheet

Part Number	Thread Size	A Width Across Flats		B Thickness		C Width Across Min.	D Proj. Height +/- .003	E Pilot. Height +/- .005	F Pilot Diameter +.000 -.012
		Max.	Min.	Max.	Min.				
HS3 1024	10-24	.500	.489	.197	.177	.556	.025	.040	.406
HS3 1032	10-32	.500	.489	.197	.177	.556	.025	.040	.406
HS3 1420	1/4 - 20	.500	.489	.197	.177	.556	.025	.040	.406
HL3 1420	1/4 - 20	.500	.489	.197	.177	.556	.040	.085	.406
HL3 1420X	1/4 - 20	.500	.489	.197	.177	.556	.040	.085	.406
HS3 51618	5/16 - 18	.562	.551	.229	.209	.624	.025	.040	.469
HL3 51618	5/16 - 18	.562	.551	.229	.209	.624	.040	.085	.469
HL3 51618X	5/16 - 18	.562	.551	.229	.209	.624	.040	.085	.469
HS3 3816	3/8 - 16	.625	.612	.260	.240	.691	.030	.050	.531
HS3 3816X	3/8 - 16	.625	.612	.260	.240	.691	.030	.050	.531
HL3 3816	3/8 - 16	.625	.612	.260	.240	.691	.040	.085	.531
HL3 3816X	3/8 - 16	.625	.612	.260	.240	.691	.040	.085	.531
HS3 3824	3/8 - 24	.625	.612	.260	.240	.691	.030	.050	.531
HL3 3824	3/8 - 24	.625	.612	.260	.240	.691	.040	.085	.531
HS3 71614	7/16 - 14	.750	.736	.322	.302	.830	.030	.050	.656
HL3 71614	7/16 - 14	.750	.736	.322	.302	.830	.040	.085	.656
HS3 71620	7/16 - 20	.750	.736	.322	.302	.830	.030	.050	.656
HL3 71620	7/16 - 20	.750	.736	.322	.302	.830	.040	.085	.656
HS3 1213	1/2 - 13	.813	.781	.385	.365	.898	.030	.060	.719
HL3 1213	1/2 - 13	.813	.781	.385	.365	.898	.040	.085	.719
HS3 5811	5/8 - 11	.938	.909	.448	.428	1.051	.035	.060	.781
HL3 5811	5/8 - 11	.938	.909	.448	.428	1.051	.040	.085	.781

X Indicates an Import (Subject to a minimum ordering quantity)



Three uniform projections ensure reliable contact with the weld surface, even if it is not perfectly flat. The precision pilot accurately locates the threads in the pilot hole and prevents the nut from slipping off center during welding.



Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: Unified Standard Class 2B
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

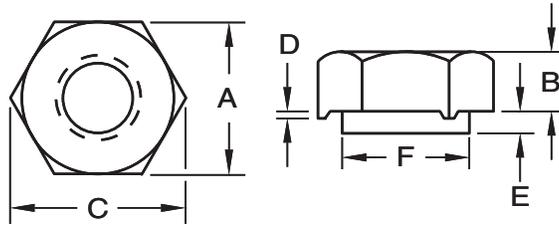
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Piloted Hex Weld Nut With Three Projections



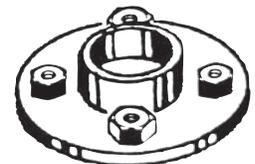
Product Specification Sheet

Part Number	Thread Size	A Width Across Flats		B Thickness		C Width Across Min.	D Proj. Height +/- .08	E Pilot. Height +/- .13	F Pilot Diameter +/- .000 - .3
		Max.	Min.	Max.	Min.				
HS3 M5	M5 X 0.8	11.00	10.73	4.8	4.4	12.1	0.39	0.90	7.55
HS3 M6	M6 X1	13.00	12.73	5.6	5.1	14.3	0.44	1.00	9.1
HS3 M6X	M6 X1	13.00	12.73	5.6	5.1	14.3	0.44	1.00	9.1
HL3 M6	M6 X1	13.00	12.73	5.6	5.1	14.3	0.80	1.60	9.1
HS3 M8	M8 X 1.25	15.00	14.73	7.1	6.6	16.6	0.44	1.00	11.1
HL3 M8	M8 X 1.25	15.00	14.73	7.1	6.6	16.6	1.00	1.80	11.1
HL3 M8X	M8 X 1.25	15.00	14.73	7.1	6.6	16.6	1.00	1.80	11.1
HS3 M10	M10 X 1.5	18.00	17.73	8.2	7.7	20.0	0.55	1.16	13.6
HL3 M10	M10 X 1.5	18.00	17.73	8.2	7.7	20.0	1.00	1.80	13.6
HL3 M10X	M10 X 1.5	18.00	17.73	8.2	7.7	20.0	1.00	1.80	13.6
HS3 M12	M12 X 1.75	21.00	20.67	9.9	9.4	23.3	0.65	1.26	16.1
HL3 M12	M12 X 1.75	21.00	20.67	9.9	9.4	23.3	1.00	1.80	16.1

X Indicates an Import (Subject to a minimum ordering quantity)



Three uniform projections ensure reliable contact with the weld surface, even if it is not perfectly flat. The precision pilot accurately locates the threads in the pilot hole and prevents the nut from slipping off center during welding.



Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: ASME B1.13M-2005

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

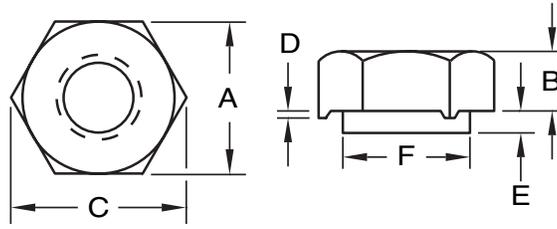
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved

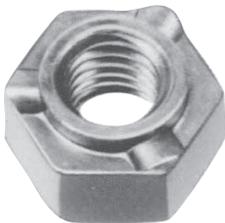


Stainless Steel Piloted Hex Weld Nut With Three Projections

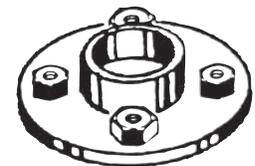


Product Specification Sheet

Part Number	Thread Size	A Width Across Flats		B Thickness		C Width Across Corners Min.	D Proj. Height +/- .003	E Pilot. Height +/- .005	F Pilot Diameter +.000 -.012
		Max.	Min.	Max.	Min.				
HS3Z 1420	1/4 - 20	.500	.489	.197	.177	.556	.025	.040	.406
HS3Z 51618	5/16 - 18	.562	.551	.229	.209	.624	.025	.040	.469
HS3Z 3816	3/8 - 16	.625	.612	.260	.240	.691	.030	.050	.531
HS3Z 1213	1/2 - 13	.813	.781	.385	.365	.898	.030	.060	.719



Three uniform projections ensure reliable contact with the weld surface, even if it is not perfectly flat. The precision pilot accurately locates the threads in the pilot hole and prevents the nut from slipping off center during welding.



Material:..... 18-8 Stainless Steel
 Finish:..... Passivated
 Threads:..... Unified Standard Class 2B
 ASME B 1.1-2003

Tensile Strength:.....80,000 psi
 Yield Point:.....35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

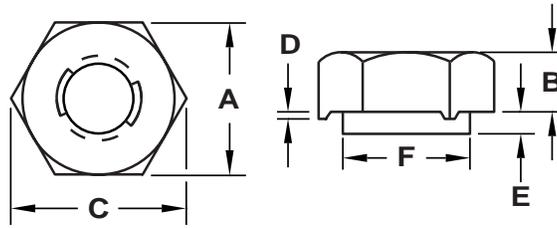
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Piloted Hex
Projection
Weld Nut
With Lock**

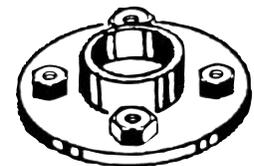


**Product
Specification
Sheet**

Part Number	Thread Size	A Width Across Flats		B Thickness		C Width Across Corners Min.	D Proj. Height +/- .003	E Pilot Height +/- .005	F Pilot Diameter +.000 -.012
		Max.	Min.	Max.	Min.				
HS3L 1420	1/4 - 20	.500	.489	.197	.177	.556	.025	.040	.406
HL3L 1420	1/4 - 20	.500	.489	.197	.177	.556	.040	.085	.406
HS3L 51618	5/16 - 18	.562	.551	.229	.209	.624	.025	.040	.469
HL3L 51618	5/16 - 18	.562	.551	.229	.209	.624	.040	.085	.469
HS3L 3816	3/8 - 16	.625	.612	.260	.240	.691	.030	.050	.531
HL3L 3816	3/8 - 16	.625	.612	.260	.240	.691	.040	.085	.531
HS3L 1213	1/2 - 13	.813	.781	.385	.365	.898	.030	.060	.719
HL3L 1213	1/2 - 13	.813	.781	.385	.365	.898	.040	.085	.719



Three precise weld projections provide positive contact with the weld surface even when slight surface irregularities are present. The prevailing torque locking feature provides a vibration resistant union with the mating part. Available in two pilot heights to accommodate a variety of metal thicknesses.



Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

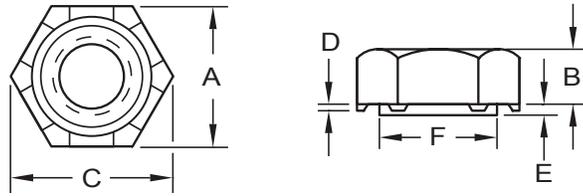
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Hex Piloted Weld Nut With Six Projections

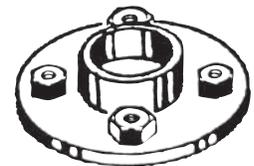


Product Specification Sheet

Part Number	Thread Size	A Width Across Flats		B Thickness		C Width Across Corners	D Proj. Height +/- .003	E Pilot. Height +/- .005	F Pilot Diameter +.000 -.012
		Max.	Min.	Max.	Min.				
HS6 1420	1/4 - 20	.500	.489	.197	.177	.556	.025	.040	.406
HM6 1420							.040	.065	
HL6 1420							.040	.085	
HS6 51618	5/16 - 18	.562	.551	.229	.209	.624	.025	.040	.469
HM6 51618							.040	.070	
HL6 51618							.040	.085	
HS6 3816	3/8 - 16	.625	.612	.260	.240	.691	.030	.050	.531
HL6 3816							.040	.085	
HS6 71614	7/16 - 14	.750	.736	.322	.302	.830	.030	.050	.656
HL6 71614							.040	.085	
HS6 71620	7/16 - 20	.750	.736	.322	.302	.830	.030	.050	.656
HL6 71620							.040	.085	
HS6 1213	1/2 - 13	.813	.781	.385	.365	.898	.030	.060	.719
HL6 1213							.040	.085	



Six uniform projections ensure maximum contact with the weld surface. The precision pilot accurately locates the threads in the pilot hole and prevents the nut from slipping off center during welding. Available in three pilot heights to accommodate a variety of metal thicknesses.



Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: Unified Standard Class 2B
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

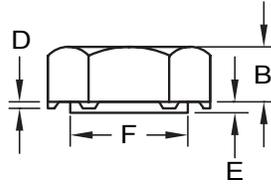
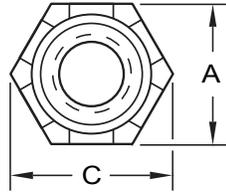
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Piloted Hex Weld Nut With Six Projections



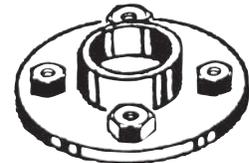
Product Specification Sheet

Part Number	Thread Size	A Width Across Flats		B Thickness		C Width Across Corners Min.	D Proj. Height +/- 0.08	E Pilot. Height +/- 0.10	F Pilot Diameter +0.0 -0.2
		Max.	Min.	Max.	Min.				
HS6 M5	M5 X 0.8	11.00	10.73	4.8	4.4	12.1	0.39	0.90	7.55
HS6 M6	M6 X 1	13.00	12.73	5.6	5.1	14.3	0.40	0.70	8.95
HL6 M6							1.00	1.90	
HS6 M8	M8 X 1.25	15.00	14.73	7.1	6.5	16.6	0.40	0.70	10.95
HL6 M8	M8 X 1.25						1.00	1.90	
HL6 M8X	M8 X 1.25								
HS6 M10	M10 X 1.5	18.00	17.73	8.2	7.7	20.0	0.40	0.70	13.45
HL6 M10	M10 X 1.5						1.00	1.90	
HL6 M10X	M10 X 1.5								
HS6 M12	M12 X 1.75	21.00	20.67	9.9	9.4	23.3	0.65	1.15	15.93
HL6 M12	M12 X 1.75						1.00	1.90	

X Indicates Import (Subject to a minimum ordering quantity)



Six uniform projections ensure maximum contact with the weld surface. The precision pilot accurately locates the threads in the pilot hole and prevents the nut from slipping off center during welding. Available in two pilot heights to accommodate a variety of metal thicknesses.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

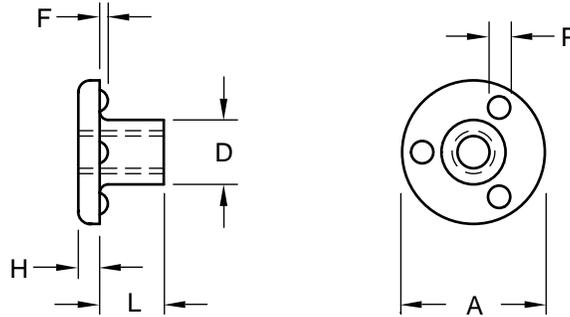
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Flange Weld
Nut Three
Projections
Under Head**

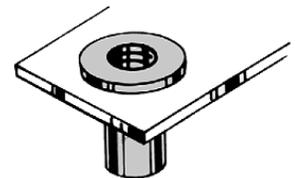


**Product
Specification
Sheet**

Part Number	Thread Size	Thickness Under Flange	Flange		Body Diameter D	Projection	
			Dia.	Height		Dia.	Height
			L	A		H	P
RH 1104	#6-32	0.265	0.635	0.083	0.250	0.105	0.042
		0.245	0.605	0.073	0.244	0.095	0.038
RH 1404	#8-32	0.265	0.635	0.083	0.250	0.105	0.042
		0.245	0.605	0.073	0.244	0.095	0.038
RH 1505	#10-24	0.327	0.755	0.099	0.277	0.125	0.047
		0.307	0.725	0.089	0.271	0.115	0.043
RH 1605	#10-32	0.327	0.755	0.099	0.277	0.125	0.047
		0.307	0.725	0.089	0.271	0.115	0.043
RH 2138	1/4-20	0.390	0.835	0.130	0.375	0.135	0.052
		0.370	0.805	0.120	0.367	0.125	0.048
RH 2708	5/16-18	0.515	1.005	0.146	0.450	0.155	0.062
		0.495	0.970	0.136	0.442	0.145	0.058
RH 3308	3/8-16	0.515	1.005	0.146	0.500	0.155	0.062
		0.495	0.970	0.136	0.492	0.145	0.058



The RH weld nut is a self-locating, through-hole weld nut with a long body and three weld projections on the underside of the head. Its self-locating feature facilitates positive positioning of the nut in holes for welding operation. The location of the three spherical projections on the underside of the head permits the body of the nut to be attached through a hole in the component. This provides a flush surface to which mating parts can be attached.



The rugged extra-long body of the RH weld nut allows its use as a bearing surface or structural support.

Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: Unified Standard Class 2B
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

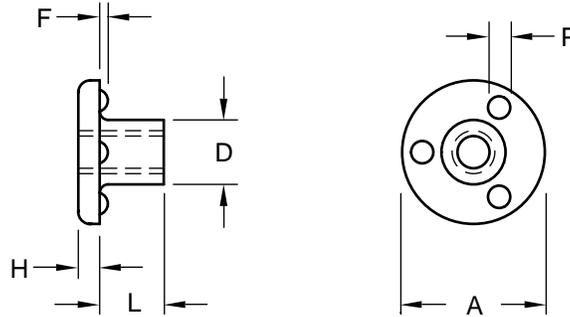
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



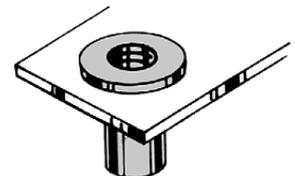
**Metric
Flange Weld
Nut Three
Projections
Under Head**



**Product
Specification
Sheet**

Part Number	Thread Size	Head Diameter	Head Thickness	Length Under Head	Projection		Body Diameter
		Tol.	Tol.	Tol.	Diameter Tol.	Height Tol.	Tol.
			+ 0.13 - 0.13	+ 0.2 - 0.3	+ 0.13 - 0.13	+ 0.05 - 0.05	+ 0.1 - 0.1
		A	H	L	P	F	D
RHM 03506	M3.5 x 0.6-6H	15.8 ± 0.3	1.98	6.0	2.54	1.02	6.3
RHM 04006	M4 x 0.7-6H	15.8 ± 0.3	1.98	6.3	2.54	1.02	6.3
RHM 05008	M5 x 0.8-6H	18.8 ± 0.4	2.50	8.0	3.10	1.20	7.1
RHM 06010	M6 x 1-6H	20.9 ± 0.4	3.10	10.0	3.30	1.27	9.0
RHM 08013	M8 x 1.25-6H	25.0 ± 0.4	3.60	12.9	3.56	1.40	11.3
RHM 10014	M10 x 1.5-6H	27.0 ± 0.4	4.50	14.0	3.81	1.52	13.4

The RHM metric weld nut is a self-locating, through-hole weld nut with a long body and three weld projections on the underside of the head. Its self-locating feature facilitates positive positioning of the nut in holes for welding operation. The location of the three spherical projections on the underside of the head permits the body of the nut to be attached through a hole in the component. This provides a flush surface to which mating parts can be attached.



The rugged extra-long body of the RHM weld nut allows its use as a bearing surface or structural support.

Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

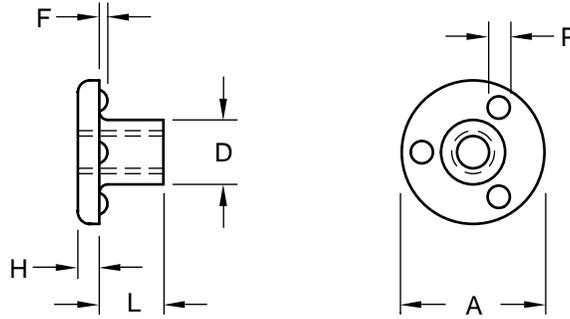
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Flange Weld Nut Three Projections Under Head

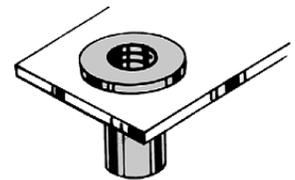


Product Specification Sheet

Part Number	Thread Size	Thickness Under Flange	Flange		Body	Projection	
			Dia.	Height	Dia.	Dia.	Height
			A	H	D	P	F
RHZ 1104	#6-32	0.265	0.635	0.083	0.250	0.105	0.042
		0.245	0.605	0.073	0.244	0.095	0.038
RHZ 1404	#8-32	0.265	0.635	0.083	0.250	0.105	0.042
		0.245	0.605	0.073	0.244	0.095	0.038
RHZ 1505	#10-24	0.327	0.755	0.099	0.277	0.125	0.047
		0.307	0.725	0.089	0.271	0.115	0.043
RHZ 1605	#10-32	0.327	0.755	0.099	0.277	0.125	0.047
		0.307	0.725	0.089	0.271	0.115	0.043
RHZ 2138	1/4-20	0.390	0.835	0.130	0.375	0.135	0.052
		0.370	0.805	0.120	0.367	0.125	0.048
RHZ 2708	5/16-18	0.515	1.005	0.146	0.450	0.155	0.062
		0.495	0.970	0.136	0.442	0.145	0.058
RHZ 3308	3/8-16	0.515	1.005	0.146	0.500	0.155	0.062
		0.495	0.970	0.136	0.492	0.145	0.058



The RHZ stainless steel weld nut is a self-locating, through-hole weld nut with a long body and three weld projections on the underside of the head. Its self-locating feature facilitates positive positioning of the nut in holes for welding operation. The location of the three spherical projections on the underside of the head permits the body of the nut to be attached through a hole in the component. This provides a flush surface to which mating parts can be attached.



The rugged extra-long body of the RHZ weld nut allows its use as a bearing surface or structural support.

Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

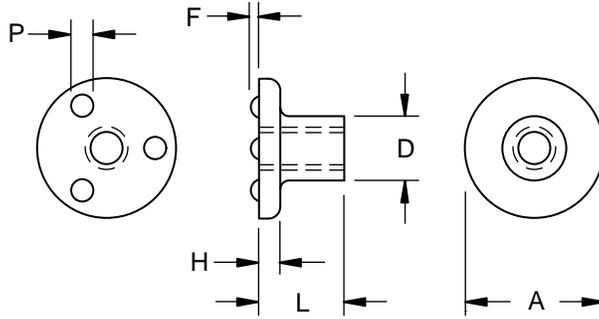
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Flange Weld
Nut Three
Projection
Top Of Head**

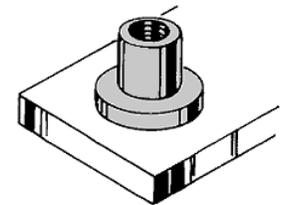


**Product
Specification
Sheet**

Part Number	Thread Size	Thickness (Overall)	Body Diameter	Flange		Projection	
				Dia.	Height	Dia.	Height
				A	H	P	F
WF 1105	#6-32	0.327	0.218	0.510	0.068	0.085	0.032
		0.307	0.213	0.480	0.058	0.075	0.028
WF 1405	#8-32	0.327	0.250	0.510	0.068	0.085	0.032
		0.307	0.244	0.480	0.058	0.075	0.028
WF 1537	#10-24	0.390	0.277	0.630	0.090	0.105	0.042
		0.370	0.271	0.600	0.080	0.095	0.038
WF 1637	#10-32	0.390	0.277	0.630	0.090	0.105	0.042
		0.370	0.271	0.600	0.080	0.095	0.038
WF 2150	1/4-20	0.515	0.375	0.815	0.114	0.135	0.052
		0.495	0.367	0.785	0.104	0.125	0.048
WF 2709	5/16-18	0.577	0.450	1.005	0.130	0.155	0.062
		0.557	0.442	0.970	0.120	0.145	0.058
WF 3310	3/8-16	0.640	0.500	1.005	0.130	0.155	0.062
		0.620	0.492	0.970	0.120	0.145	0.058



On the WF weld nut, the projections are located right on the top of the flange to permit welding to (rather than through) the surface of the component. Three precision projections of uniform height and mass are properly positioned on the flange to assure a weld that leaves the exterior surface of the component virtually unmarred.



This weld nut has been manufactured to give extra long thread engagement in blind hole applications. The long body of the nut can also function as a bearing or mounting surface or spacer.

Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: Unified Standard Class 2B
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

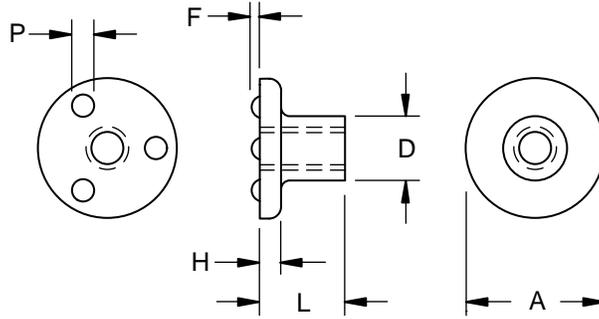
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Flange Weld
Nut Three
Projection
Top Of Head**

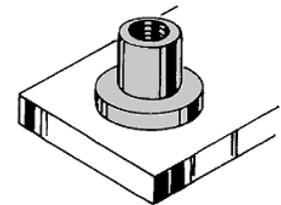


**Product
Specification
Sheet**

Part Number	Thread Size / Pitch	Head Diameter	Head Thickness	Length Overall	Projection		Body Diameter
		Tol.	Tol.	Tol.	Diameter Tol.	Height Tol.	Tol.
			+ 0.13 - 0.13	+ 0.2 - 0.3	+ 0.13 - 0.13	+ 0.05 - 0.05	+ 0.1 - 0.1
		A	H	L	P	F	D
WFM 03507	M3.5 x 0.6-6H	12.0 ± 0.35	1.90	7.5	1.78	0.64	5.3
WFM 04008	M4 x 0.7-6H	14.0 ± 0.35	2.20	8.0	2.13	0.81	6.3
WFM 05010	M5 x 0.8-6H	16.0 ± 0.35	2.50	10.0	2.54	1.02	7.1
WFM 06012	M6 x 1-6H	20.0 ± 0.45	3.10	12.5	3.10	1.20	9.0
WFM 08015	M8 x 1.25-6H	25.0 ± 0.45	3.80	15.0	3.56	1.40	11.3
WFM 10017	M10 x 1.5-6H	27.0 ± 0.45	4.50	17.0	3.81	1.52	13.4



On the metric WFM weld nut, the projections are located right on the top of the flange to permit welding to (rather than through) the surface of the component. Three precision projections of uniform height and mass are properly positioned on the flange to assure a weld that leaves the exterior surface of the component virtually unmarred.



This weld nut has been manufactured to give extra long thread engagement in blind hole applications. The long body of the nut can also function as a bearing or mounting surface or spacer.

Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

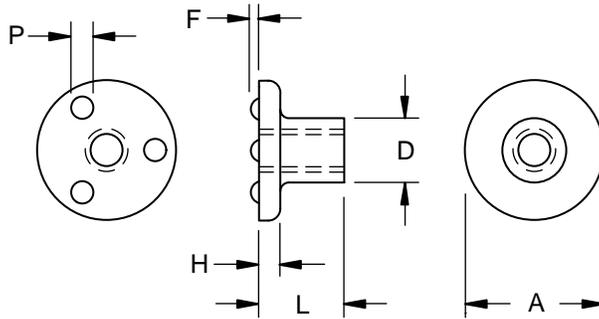
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Flange Weld Nut 3 Projections On Top Of Head

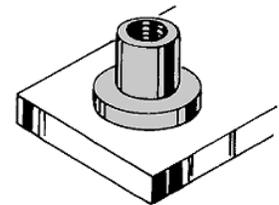


Product Specification Sheet

Part Number	Thread Size	Thickness (Overall)	Body Diameter	Flange		Projection	
				Dia.	Height	Dia.	Height
		L	D	A	H	P	F
WFZ 1105	#6-32	0.327	0.218	0.510	0.068	0.085	0.032
		0.307	0.213	0.480	0.058	0.075	0.028
WFZ 1405	#8-32	0.327	0.250	0.510	0.068	0.085	0.032
		0.307	0.244	0.480	0.058	0.075	0.028
WFZ 1537	#10-24	0.390	0.277	0.630	0.090	0.105	0.042
		0.370	0.271	0.600	0.080	0.095	0.038
WFZ 1637	#10-32	0.390	0.277	0.630	0.090	0.105	0.042
		0.370	0.271	0.600	0.080	0.095	0.038
WFZ 2150	1/4-20	0.515	0.375	0.815	0.114	0.135	0.052
		0.495	0.367	0.785	0.104	0.125	0.048
WFZ 2709	5/16-18	0.577	0.450	1.005	0.130	0.155	0.062
		0.557	0.442	0.970	0.120	0.145	0.058
WFZ 3310	3/8-16	0.640	0.500	1.005	0.130	0.155	0.062
		0.620	0.492	0.970	0.120	0.145	0.058



On the WFZ stainless steel weld nut, the projections are located right on the top of the flange to permit welding to (rather than through) the surface of the component. Three precision projections of uniform height and mass are properly positioned on the flange to assure a weld that leaves the exterior surface of the component virtually unmarred.



This weld nut has been manufactured to give extra long thread engagement in blind hole applications. The long body of the nut can also function as a bearing or mounting surface or spacer.

Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

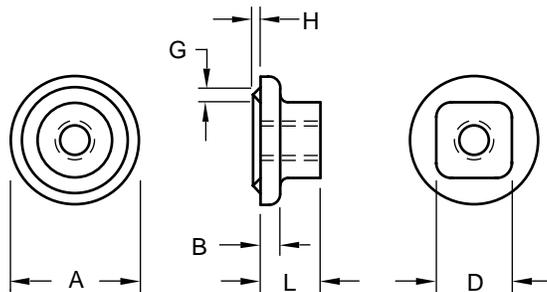
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Square Body Flanged Nut With Ring Projection



Product Specification Sheet

Part Number	Thread Size	Thickness Overall	Flange		Projection		Body Size (SQ.)
			Dia.	Height	Width	Height	
			L	A	B	G (Ref.)	
SF 2706	5/16-18	0.354	1.068	0.130	0.072	0.033	0.625
		0.334	1.037	0.120			
SF 3306	3/8-16	0.354	1.068	0.130	0.072	0.033	0.625
		0.334	1.037	0.120			
SF 4408	1/2-13	0.510	1.068	0.130	0.094	0.044	0.625
		0.490	1.037	0.120			



The square-bodied, through-hole SF weld nut features a 360° ring weld projection. This ring projection gives a hermetic seal and is particularly adaptable to welding to cross wire. The greater weld area is advantageous when welding to thin-gage material because it provides extra strength to resist torque and shearing. An additional advantage of this nut is that it can be welded to cylindrical surfaces.

A thicker wall and the rugged construction of the SF weld nut makes it ideal for extra heavy-duty applications requiring greater strength and rigidity.

Material:	C1010 High-Welding Quality, Low Carbon Steel	Tensile Strength:	60,000 psi
Finish:	Plain, Unless Specified	Yield Point:	30,000 psi
Threads:	Unified Standard Class 2B ASME B1.1-2003	Shear Strength:	30,000 psi
		Elongation 2"	30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

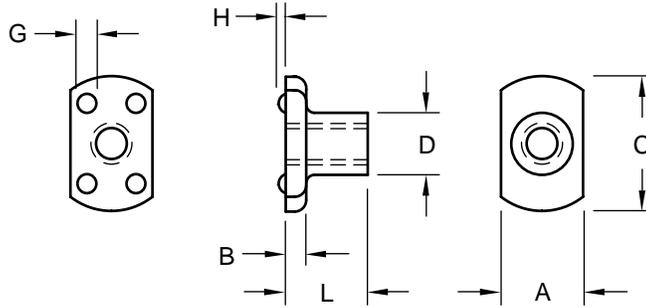
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Rectangular
Flange
Projection
Weld Nut**



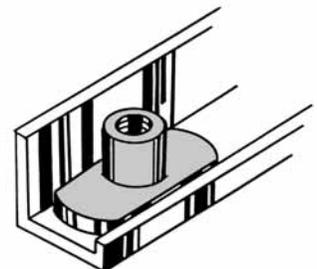
**Product
Specification
Sheet**

Part Number	Thread Size	Thickness (Overall)	Flange			Projection		Body Diameter
			Width	Thickness	Length	Dia.	Height	
			L	A	B	C	G	
WT 1131	#6-32	0.327	0.313	0.083	0.500	0.075	0.027	0.223
		0.307	0.298	0.073	0.480	0.065	0.023	0.213
WT 1431	#8-32	0.327	0.313	0.083	0.500	0.075	0.027	0.255
		0.307	0.298	0.073	0.480	0.065	0.023	0.245
WT 1538	#10-24	0.390	0.375	0.099	0.625	0.085	0.032	0.283
		0.370	0.360	0.089	0.605	0.075	0.028	0.273
WT 1638	#10-32	0.390	0.375	0.099	0.625	0.085	0.032	0.283
		0.370	0.360	0.089	0.605	0.075	0.028	0.273
WT 2150	1/4-20	0.515	0.500	0.114	0.815	0.120	0.045	0.378
		0.495	0.485	0.104	0.785	0.110	0.041	0.368

The WT weld nut employs a "T" shaped head for use in channels, narrow flanges or other confined areas. Four projections on top of the flange are exactly spaced to provide good weld balance, positioning and to prevent shunting of the metal into the threads. Location of projections on top of the flange eliminates the need for prepared holes because the nut is welded to (not through) the surface of the sheet.



When welding into position, the WT weld nut becomes a blind-hole nut application and the longer body provides additional thread engagement for secure positive mounting.



Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: Unified Standard Class 2B
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

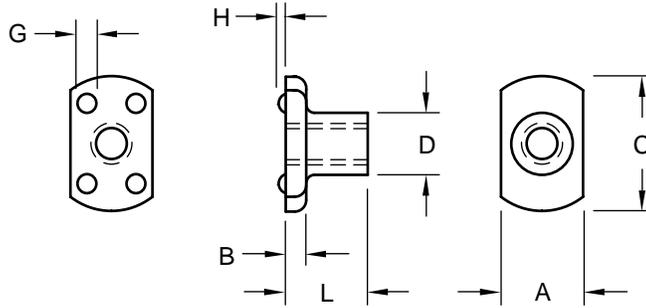
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Rectangular Flange Projection Weld Nut



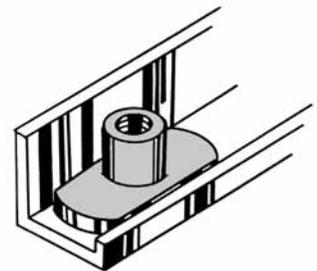
Product Specification Sheet

Part Number	Thread Size	Thickness (Overall)	Flange			Projection		Body Diameter
			Width	Thickness	Length	Dia.	Height	
			L	A	B	C	G	
WTZ 1131	#6-32	0.327	0.313	0.083	0.500	0.075	0.027	0.223
		0.307	0.298	0.073	0.480	0.065	0.023	0.213
WTZ 1431	#8-32	0.327	0.313	0.083	0.500	0.075	0.027	0.255
		0.307	0.298	0.073	0.480	0.065	0.023	0.245
WTZ 1538	#10-24	0.390	0.375	0.099	0.625	0.085	0.032	0.283
		0.370	0.360	0.089	0.605	0.075	0.028	0.273
WTZ 1638	#10-32	0.390	0.375	0.099	0.625	0.085	0.032	0.283
		0.370	0.360	0.089	0.605	0.075	0.028	0.273
WTZ 2150	1/4-20	0.515	0.500	0.114	0.815	0.120	0.045	0.378
		0.495	0.485	0.104	0.785	0.110	0.041	0.368

The WTZ stainless steel weld nut employs a "T" shaped head for use in channels, narrow flanges or other confined areas. Four projections on top of the flange are exactly spaced to provide good weld balance, positioning and to prevent shunting of the metal into the threads. Location of projections on top of the flange eliminates the need for prepared holes because the nut is welded to (not through) the surface of the sheet.



When welding into position, the WTZ weld nut becomes a blind-hole nut application and the longer body provides additional thread engagement for secure positive mounting.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

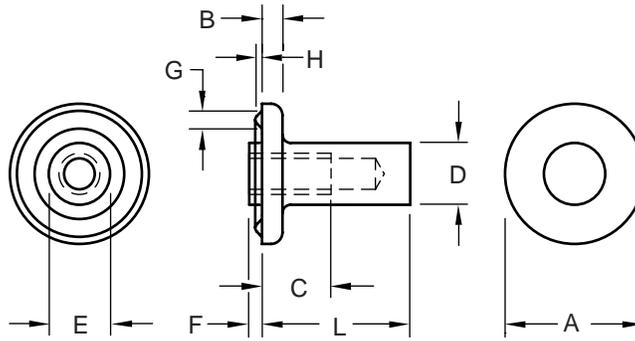
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Flanged Weld Nut With Ring Projection



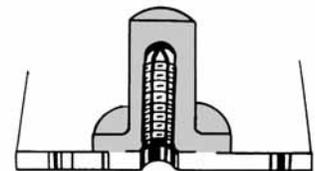
Product Specification Sheet

Part Number	Thread Size	Minimum Thread Depth	Thickness (Overall)	Flange		Body Dia.	Pilot		Projection	
				Dia.	Thick.		Dia.	Height	Width	Height
				C	L		A	B	D	E
WW 1118	#6-32	0.188	0.437 0.421	0.470 0.435	0.068 0.058	0.218 0.213	None	None	0.065 0.055	0.021 0.017
WW 1425	#8-32	0.250	0.562 0.546	0.470 0.435	0.083 0.073	0.250 0.244	None	None	0.065 0.055	0.021 0.017
WW 1506	#10-24	0.375	0.671 0.656	0.685 0.654	0.083 0.073	0.277 0.271	None	None	0.089 0.079	0.031 0.027
WW 1606	#10-32	0.375	0.671 0.656	0.685 0.654	0.083 0.073	0.277 0.271	None	None	0.089 0.079	0.031 0.027
WW 2108	1/4-20	0.500	0.921 0.906	0.815 0.785	0.114 0.104	0.375 0.367	None	None	0.113 0.103	0.041 0.037
WW 2709	5/16-18	0.562	0.984 0.969	0.925 0.890	0.130 0.120	0.450 0.442	None	None	0.125 0.115	0.046 0.042
WW 2711	5/16-18	0.562	0.984 0.969	0.925 0.890	0.130 0.120	0.450 0.442	0.450 0.442	0.078	0.125 0.115	0.046 0.042
WW 3310	3/8-16	0.625	1.046 1.031	0.925 0.890	0.130 0.120	0.500 0.492	None	None	0.125 0.115	0.046 0.042
WW 3311	3/8-16	0.625	1.046 1.031	0.925 0.890	0.130 0.120	0.500 0.492	0.500 0.492	0.078	0.125 0.115	0.046 0.042



The WW weld nut is a blind-hole tapped nut. It has a 360° ring projection that provides a sound hermetic seal manufactured to eliminate cumbersome operations of sealing, caulking or installing gaskets.

Additional weld strength is provided by the greater weld area of this nut's 360° ring projection. This makes it particularly suitable for welding to thin sheets. Extra long thread engagement of the WW weld nut assures fastening security of mating parts.



Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

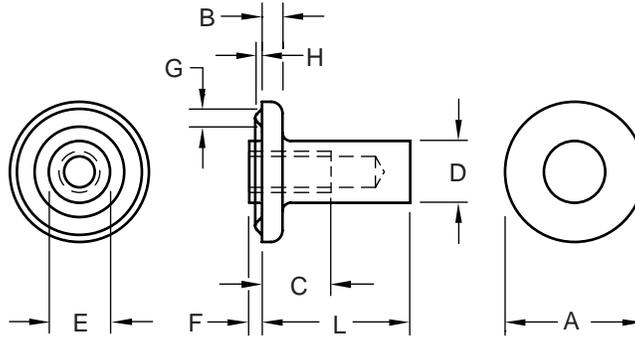
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Flanged Weld
Nut With Ring
Projection**



**Product
Specification
Sheet**

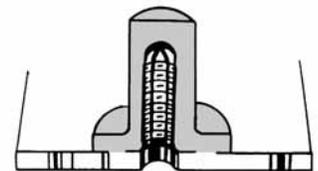
Part Number	Thread Size/Pitch	Head Diameter	Head Thickness	Length Overall	Projection		Minimum Thread Depth	Body Diameter
		Tol.	Tol.	Tol.	Height	Width		Tol.
			+ 0.13 - 0.13	+ 0.0 - 0.4	+ 0.10 - 0.05	+ 0.15 - 0.10		
A	B	L	H	G	C	D		
WWM 03505	M3.5 x 0.6-6H	11.5 ± 0.4	1.9	10.7	0.46	1.5	4.80	5.3
WWM 04002	M4 x 0.7-6H	11.5 ± 0.4	1.9	14.0	0.46	1.5	6.35	6.3
WWM 05009	M5 x 0.8-6H	15.0 ± 0.4	2.5	17.0	0.71	2.1	9.50	7.1
WWM 06013	M6 x 1-6H	20.4 ± 0.45	3.1	23.4	0.96	2.7	12.70	9.0
WWM 08014	M8 x 1.25-6H	23.0 ± 0.45	3.8	25.0	1.09	3.0	14.30	11.3
WWM 08016 *	M8 x 1.25-6H	23.0 ± 0.45	3.8	25.0	1.09	3.0	14.30	11.3

* Has locating pilot with diameter of 11.3 (E), height of 2.0 max (F) and needs an 11.9 diameter hole.



The WWM metric weld nut is a blind-hole tapped nut. It has a 360° ring projection that provides a sound hermetic seal manufactured to eliminate cumbersome operations of sealing, caulking or installing gaskets.

Additional weld strength is provided by the greater weld area of this nut's 360° ring projection. This makes it particularly suitable for welding to thin sheets. Extra long thread engagement of the WWM weld nut assures fastening security of mating parts.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

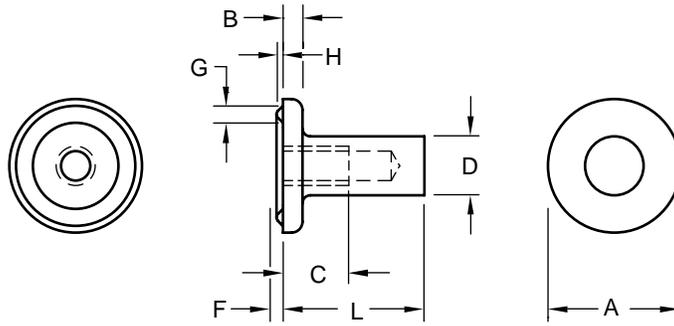
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Stainless Steel
Flanged Weld
Nut With Ring
Projection**



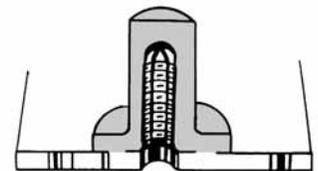
**Product
Specification
Sheet**

Part Number	Thread Size	Minimum Thread Depth	Thickness (Overall)	Flange		Body	Projection	
				Dia.	Thickness	Dia.	Dia.	Height
				A	B	D	G	H
WWZ 1118	#6-32	0.188	0.437	0.470	0.068	0.218	0.065	0.021
			0.421	0.435	0.058	0.213	0.055	0.017
WWZ 1425	#8-32	0.250	0.562	0.470	0.083	0.250	0.065	0.021
			0.546	0.435	0.073	0.244	0.055	0.017
WWZ 1506	#10-24	0.375	0.671	0.685	0.083	0.277	0.089	0.031
			0.656	0.654	0.073	0.271	0.079	0.027
WWZ 1606	#10-32	0.375	0.671	0.685	0.083	0.277	0.089	0.031
			0.656	0.654	0.073	0.271	0.079	0.027
WWZ 2108	1/4-20	0.500	0.921	0.815	0.114	0.375	0.113	0.041
			0.906	0.785	0.104	0.367	0.103	0.037
WWZ 2709	5/16-18	0.562	0.984	0.925	0.130	0.450	0.125	0.046
			0.969	0.890	0.120	0.442	0.115	0.042
WWZ 3310	3/8-16	0.625	1.046	0.925	0.130	0.500	0.125	0.046
			1.031	0.890	0.120	0.492	0.115	0.042



The WWZ weld nut is a blind-hole tapped nut. It has a 360° ring projection that provides a sound hermetic seal manufactured to eliminate cumbersome operations of sealing, caulking or installing gaskets.

Additional weld strength is provided by the greater weld area of this nut's 360° ring projection. This makes it particularly suitable for welding to thin sheets. Extra long thread engagement of the WWZ weld nut assures fastening security of mating parts.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

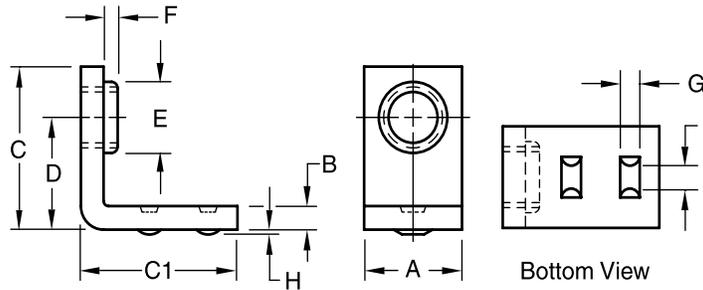
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Right Angle Weld Bracket

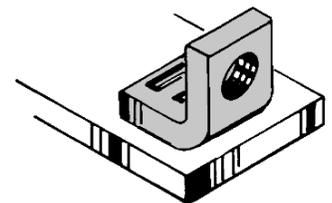


Product Specification Sheet

Part Number	Thread Size	Width	Thick.	Length of Leg From End to Angle		Ctr. of Hole To Angle	Pilot		Projection			
				C	C1		D	E	F	G	H	I
BT 1402	#8-32	0.525	0.128	0.515	0.640	0.328	None	None	0.099	0.015	0.109	
		0.500	0.122	0.485	0.610	0.296			0.089	0.009	0.079	
BT 1403	#8-32	0.525	0.128	0.610	0.670	0.406	None	None	0.099	0.015	0.109	
		0.500	0.122	0.580	0.640	0.375			0.089	0.009	0.079	
BT 1503	#10-24	0.525	0.128	0.610	0.670	0.406	None	None	0.099	0.015	0.109	
		0.500	0.122	0.580	0.640	0.375			0.089	0.009	0.079	
BT 1603	#10-32	0.525	0.128	0.610	0.670	0.406	None	None	0.099	0.015	0.109	
		0.500	0.122	0.580	0.640	0.375			0.089	0.009	0.079	
BT 2101	1/4-20	0.525	0.128	0.765	0.765	0.484	0.307	0.05	0.114	0.023	0.140	
		0.500	0.122	0.735	0.735	0.453	0.287		0.104	0.017	0.110	
BT 2701	5/16-18	0.650	0.145	1.015	1.015	0.641	0.369	0.08	0.146	0.028	0.156	
		0.625	0.139	0.985	0.985	0.609	0.349		0.136	0.022	0.126	



The BT weld bracket, with its dual-line projections, provides a threaded hole at a right angle to the component to which it is welded. The BT is welded without drilling or punching a hole because it is attached to and not through the surface. The dual-line projections contain the right amount of metal, are uniform in height and length to assure a sound permanent offset thread to which the mating parts can be quickly and firmly attached.



In the larger thread sizes, there is a pilot that insures the proper thread engagement.

Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

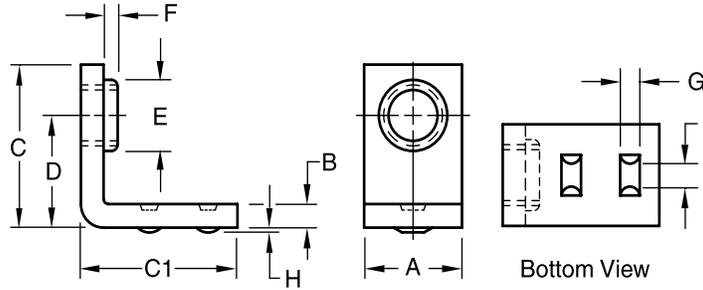
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Right Angle Weld Bracket

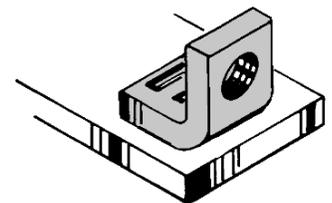


Product Specification Sheet

Part Number	Thread Size	Width	Thick.	Length of Leg From End to Angle		Ctr. of Hole To Angle	Pilot		Projection		
		Tol.	Tol.	Tol.	Tol.		Tol.	Tol.	Width	Height	Length
		+ 0.4	+ 0.1	+ 0.4	+ 0.4	+ 0.3	+ 0.2	+ 0.3	+ 0.10	+ 0.08	+ 0.4
		- 0.3	- 0.1	- 0.4	- 0.4	- 0.5	- 0.3	- 0.1	- 0.15	- 0.07	- 0.4
		A	B	C	C1	D	E	F	G	H	I
BTM 04008	M4 x 0.7-6H	13.0	3.2	12.7	15.9	8	None	None	2.4	0.3	2.4
BTM 04011	M4 x 0.7-6H	13.0	3.2	15.1	16.6	10	None	None	2.4	0.3	2.4
BTM 05011	M5 x 0.8-6H	13.0	3.2	15.1	16.6	10	None	None	2.4	0.3	2.4
BTM 06012	M6 x 1-6H	13.0	3.2	19.1	19.1	12	7.6	1.2	2.8	0.5	3.2
BTM 08016	M8 x 1.25-6H	16.1	3.6	25.4	25.4	16	9.2	2.0	3.6	0.63	3.6



The metric BTM weld bracket, with its dual-line projections, provides a threaded hole at a right angle to the component to which it is welded. The BTM is welded without drilling or punching a hole because it is attached to and not through the surface. The dual-line projections contain the right amount of metal, are uniform in height and length to assure a sound permanent offset thread to which the mating parts can be quickly and firmly attached.



In the larger thread sizes, there is a pilot that insures the proper thread engagement.

Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified
 Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
 Yield Point:30,000 psi
 Shear Strength:30,000 psi
 Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

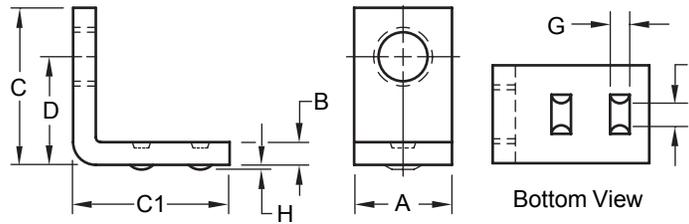
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Right Angle Weld Bracket

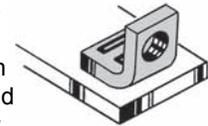


Product Specification Sheet

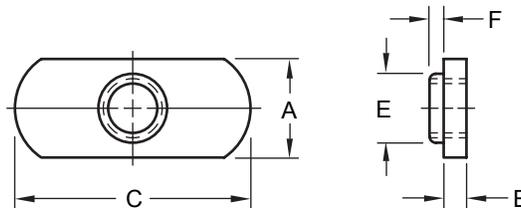
Part Number	Thread Size	Width	Thick.	Length of Leg		Ctr. of Hole To Angle	Projection		
				From End to Angle			Width	Height	Length
		A	B	C	C1	D	G	H	I
BTZ 1503	#10-24	0.525	0.128	0.610	0.670	0.406	0.099	0.015	0.109
		0.500	0.122	0.580	0.640	0.375	0.089	0.009	0.079
BTZ 1603	# 10-32	0.525	0.128	0.610	0.670	0.406	0.099	0.015	0.109
		0.500	0.122	0.580	0.640	0.375	0.089	0.009	0.079



The BTZ stainless steel weld bracket, with its dual-line projections, provides a threaded hole at a right angle to the component to which it is welded. The stainless steel BTZ is welded without drilling or punching a hole because it is attached to and not through the surface. The dual-line projections contain the right amount of metal, are uniform in height and length to assure a sound permanent offset thread to which the mating parts can be quickly and firmly attached.



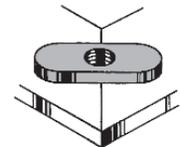
NDZ Stainless Steel Weld Nut



Part Number	Thread Size	Width	Thick.	Length	Pilot		Hole In Sheet
					Dia.	Hgt.	
		A	B	C	E	F	
NDZ 1414	8-32	0.453	0.097	0.890	0.213	0.03	0.219
		0.433	0.091	0.860	0.193		
NDZ 1514	10-24	0.453	0.097	0.890	0.244	0.03	0.250
		0.433	0.091	0.860	0.224		
NDZ 1714	10-32	0.453	0.097	0.890	0.244	0.03	0.250
		0.433	0.091	0.860	0.224		
NDZ 2116	1/4-20	0.453	0.097	1.015	0.307	0.03	0.312
		0.433	0.091	0.985	0.287		
NDZ 2118	1/4-20	0.520	0.128	1.140	0.307	0.05	0.312
		0.495	0.122	1.110	0.287		
NDZ 2724	5/16-18	0.655	0.145	1.515	0.369	0.08	0.375
		0.620	.0139	1.485	0.349		
NDZ 3324	3/8-16	0.655	0.145	1.515	0.448	0.09	0.453
		0.620	0.139	1.485	0.428		



The ND weld nut is a dual-tab spot weld nut manufactured for applications requiring additional strength where tension is against the weld. The location of the twin-tabs enables the ND to be used in bridging corners and recessed areas. A precision pilot speeds location and provides a full thread engagement. The ND can use the same electrodes, equipment and settings used in production, thus eliminating setup and changeover time, thereby lowering in-place-fastener cost.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2B
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

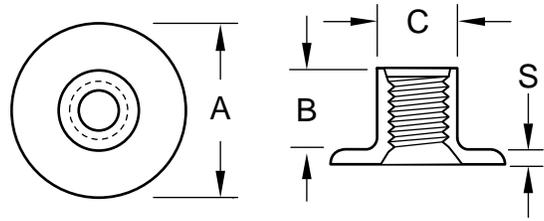
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Plain
Round Base
Spotweld
T Nuts**



**Product
Specification
Sheet**

Part Number	Thread Size	Flange		Barrell Length ± .015	Barrel Diameter ± .015
		Dia. ± .015	Thickness ± .015		
		A	S	B	C
BFR 10244	#10-24	0.750	0.040	0.281	0.243
BFR 10324	#10-32	0.750	0.040	0.281	0.243
BFR 14205	1/4-20	0.750	0.047	0.312	0.305
BFR 56186	5/16-18	0.875	0.060	0.375	0.375
BFR 38167	3/8-16	1.000	0.063	0.438	0.440
BFR 12136	1/2-13	1.250	0.091	0.375	0.591



The full circular base of the plain round T nut eliminates the need for orientation during welding. Because the base is flat on both sides, the plain round base T nut performs equally well on flush mount or through the hole applications. The slim base enables it to be easily spotwelded while the generous barrel length provides secure thread engagement.

Material:.....C1004-1010 Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads:..... Unified Standard Class 2B ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

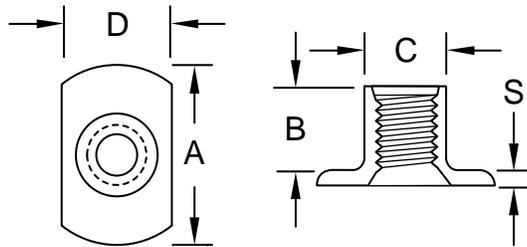
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Slab Base
Spotweld
T Nuts**

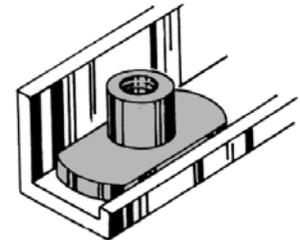


**Product
Specification
Sheet**

Part Number	Thread Size	Flange		Flange Width ± .015	Barrell Length ± .015	Barrel Diameter ± .015
		Length ± .015	Thickness ± .015			
		A	S			
BFS 8324	#8-32	0.718	0.035	0.437	0.250	0.208
BFS 10244	#10-24	0.750	0.040	0.500	0.281	0.243
BFS 10324	#10-32	0.750	0.040	0.500	0.281	0.243
BFS 14205	1/4-20	0.750	0.047	0.500	0.312	0.305
BFS 56186	5/16-18	0.875	0.060	0.562	0.375	0.375
BFS 38167	3/8-16	1.000	0.063	0.625	0.438	0.440



The slab base of the plain rectangle T nut eliminates the need for orientation during welding. Because the base is flat on both sides, the plain rectangle base T nut performs equally well on flush mount or through the hole applications. The slim base enables it to be easily spotwelded while the generous barrel length provides secure thread engagement.



Material:.....C1004-1010 Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads:..... Unified Standard Class 2B ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

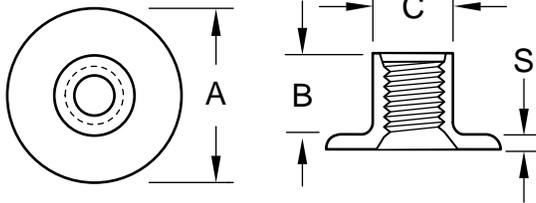
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved

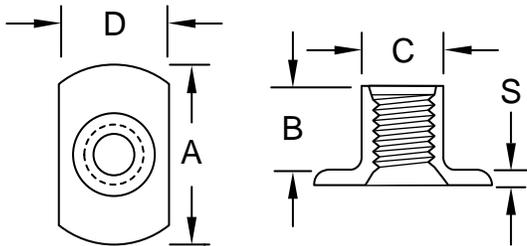


Stainless Steel Spotweld T Nuts

Product Specification Sheet



Part Number	Thread Size	A Dia.	B Hgt.	C +.005 -.000	S Thickness
BFST23-135	8-32	0.500	0.250	0.208	0.038
BFST25-150	10-24	0.750	0.281	0.227	0.038
BFST26-150	10-32	0.750	0.281	0.227	0.038
BFST29-150	1/4-20	0.750	0.312	0.306	0.050
BFST29-153	1/4-20	0.750	0.375	0.306	0.050
BFST29-155	1/4-20	0.750	0.437	0.306	0.050
BFST29-160	1/4-20	0.750	0.500	0.306	0.050
BFST31-150	5/16-18	0.875	0.375	0.386	0.062
BFST31-160	5/16-18	0.875	0.500	0.386	0.062
BFST33-150	3/8-16	1.000	0.437	0.466	0.075
BFSTM6-155	M6 x 1	0.750	0.437	0.298	0.050



Part Number	Thread Size	A Dia.	B Hgt.	C +.005 -.000	D Width	S Thickness
BFST23-820	8-32	0.750	0.250	0.208	0.500	0.038
BFST25-820	10-24	0.750	0.281	0.227	0.500	0.038
BFST26-820	10-32	0.750	0.281	0.227	0.500	0.038
BFST29-820	1/4-20	0.750	0.312	0.306	0.500	0.050
BFST31-820	5/16-18	0.875	0.375	0.386	0.562	0.062
BFST33-924	3/8-16	1.000	0.437	0.466	0.656	0.075



The slab base of the plain round T nut eliminates the need for orientation during welding. Because the base is flat on both sides, the plain round base T nut performs equally well on flush mount or through the hole applications. The slim base enables it to be easily spotwelded while the generous barrel length provides secure thread engagement.



Material:..... 300 Series, 18-8 Stainless Steel
 Threads:..... Unified Standard Class 2B ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

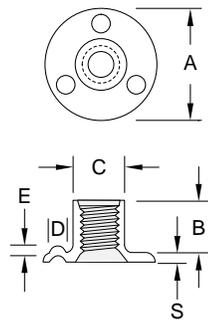
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

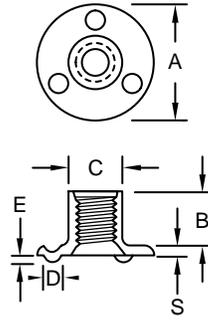
© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Round Base
Projection
T Nuts**



**For welding
through a hole**



**For welding
to the metal**

**Product
Specification
Sheet**

Part Number	Thread Size	Flange		Projection Diameter	Projection Height	Barrell Length ± .015	Barrel Diameter ± .015
		Dia. ± .015	Thickness ± .015				
		A	S	D	E	B	C
BFR 14209B3U Through Hole Welding	1/4-20	.750	.047	.109	.050 .030	.562	.305
BFR 56181OB3U Through Hole Welding	5/16-18	.875	.060	.141	.055 .035	.625	.375
BFR 56186B3D Welding To Surface	5/16-18	.875	.060	.098	.055 .035	.375	.375



Three spherical weld projections provide a secure foundation for both through hole or flush mount weld T nuts. Projection welding is preferred where marring of the surface is a concern. The large, flat electrodes used to weld these parts will reduce surface irregularities.

Material:.....C1004-1010 Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads:..... Unified Standard Class 2B ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

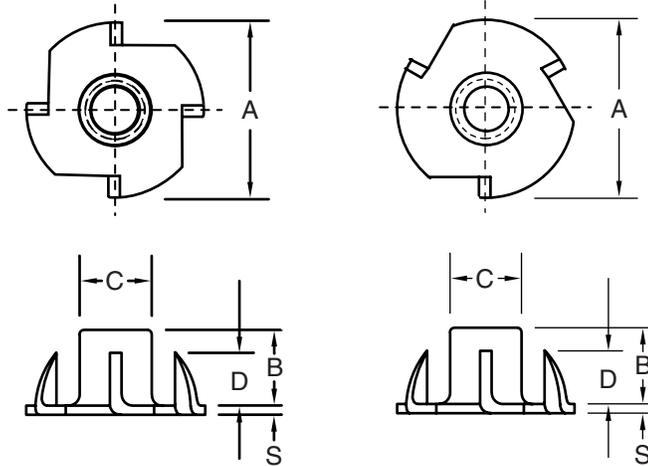
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Round Base
Prong T Nuts
For Wood**

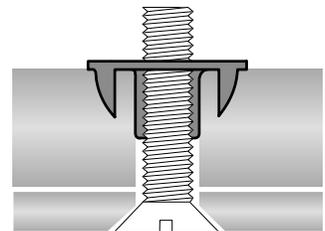
**Product
Specification
Sheet**



3 PRONGS						
Part Number	Thread Size	Base Diameter A	Barrel Length B	Barrel Diameter C	Prong Height D	Base Height S
BF 63243	6-32	0.562	.250	.162	.140	.025
BF 83243	8-32	0.718	.250	.208	.187	.030
BF 102443	10-24	0.750	.281	.243	.187	.040
BF 102463SF8	10-24	0.500	.375	.243	.125	.040
BF 103243	10-32	0.750	.281	.243	.187	.040
BF 142093	1/4-20	0.750	.562	.305	.312	.047
4 PRONGS						
Part Number	Thread Size	Base Diameter A	Barrel Length B	Barrel Diameter C	Prong Height D	Base Height S
BF 142054	1/4-20	0.750	.312	.305	.218	.045
BF 142074	1/4-20	0.750	.437	.305	.250	.045
BF 561864	5/16-18	0.875	.375	.375	.250	.060
BF 5618104	5/16-18	0.875	.625	.375	.250	.060
BF 381674	3/8-16	1.000	.437	.440	.343	.063



The prongs on this part are manufactured to toe in as they are driven into the wood. This feature provides a secure foundation with maximum pushout resistance to ensure that the T-nut remains in places



Material:..... C1004-1010 Low Carbon Steel
 Finish:..... Plain, Unless Specified
 Threads:..... Unified Standard Class 2B ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

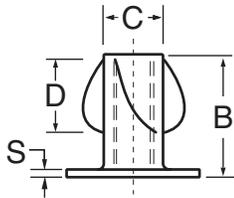
© 2007 Buckeye Fasteners, Inc. All Rights Reserved



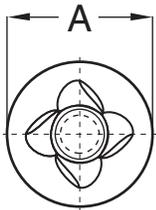
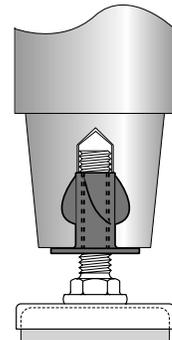
Special Purpose Round Base T Nuts For Wood



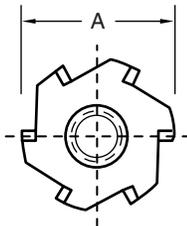
Product Specification Sheet



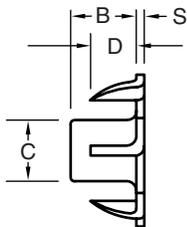
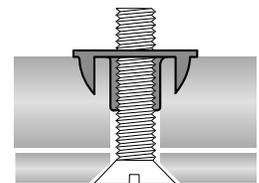
Propeller Nut						
Part Number	Thread Size	Base Diameter A	Barrel Length B	Barrel Diameter C	Skive Length D	Base Height S
BFP 14208F10	1/4-20	.625	.500	.307	.190	.047



The propeller nut will make the ideal mating part for the glide in your wooden furniture leg. It can easily be driven into place with a hammer and still provide necessary torque and push out resistance. The plain, round base simplifies installation by eliminating need for orientation



Part Number	Thread Size	Base Diameter A	Barrel Length B	Barrel Diameter C	Prong Height D	Base Height S
BF 102456	#10-24	.750	.312	.243	.187	.040
BF 142056	1/4-20	.750	.312	.305	.218	.045



The prongs on this part are manufactured to toe in as they are driven into the wood. This feature provides a secure foundation with maximum pushout resistance to ensure that the T-nut remains in places

Material:..... C1004-1010 Low Carbon Steel
 Finish:..... Plain, Unless Specified
 Threads:..... Unified Standard Class 2B ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

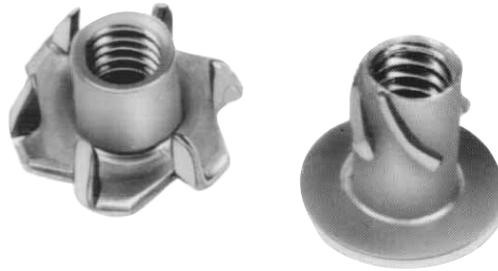
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

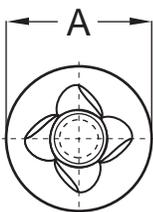
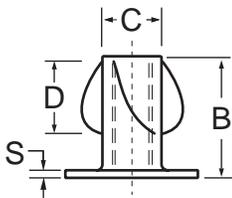
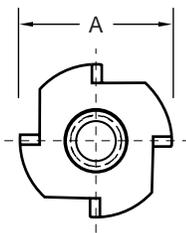
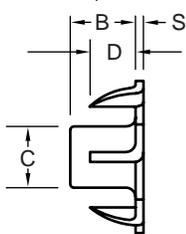
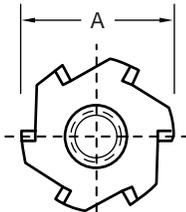
© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel T Nuts For Wood



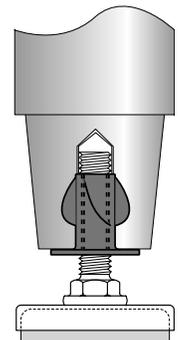
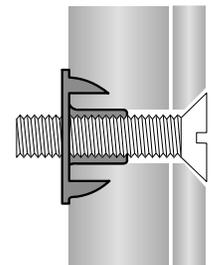
Product Specification Sheet



3 PRONGS						
Part Number	Thread Size	A Dia.	B Hgt.	C +.005 -.000	D Length	S Thickness
BFST23-480	8-32	0.500	0.250	.208	0.140	.038
BFST25-450	10-24	0.750	0.281	.227	0.203	.038
BFST26-450	10-32	0.750	0.281	.227	0.203	.038
BFST29-450	1/4-20	0.750	0.312	.306	0.234	.050
BFST29-441	1/4-20	0.750	0.437	.306	0.234	.050
BFST29-436	1/4-20	0.750	0.500	.306	0.234	.050

4 PRONGS						
Part Number	Thread Size	A Dia.	B Hgt.	C +.005 -.000	D Length	S Thickness
BFST29-465	1/4-20	0.750	0.250	.306	0.203	.050
BFST29-460	1/4-20	0.750	0.312	.306	0.203	.050
BFST29-446	1/4-20	0.750	0.375	.306	0.203	.050
BFST29-444	1/4-20	0.750	0.437	.306	0.203	.050
BFST29-448	1/4-20	0.750	0.500	.306	0.203	.050
BFST31-460	5/16-18	0.875	0.375	.386	0.265	.062
BFST31-444	5/16-18	0.875	0.500	.386	0.265	.062
BFST33-450	3/8-16	1.000	0.437	.466	0.328	.075
BFSM6-444	M6 x 1	0.750	0.437	.298	0.203	.050

PROP NUT						
Part Number	Thread Size	A Dia.	B Hgt.	C +.005 -.000	D Length	S Thickness
BFST25-120	10-24	0.750	0.312	.227	0.250	.038
BFST29-125	1/4-20	0.750	0.437	.306	0.250	.050
BFST31-130	5/16-18	0.875	0.500	.386	0.250	.062



Material: 300 Series, 18 - 8 Stainless Steel
 Thread: Unified Class 2B per ANSI B1.1-1982
 Tolerances: ± .015 Unless otherwise specified



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

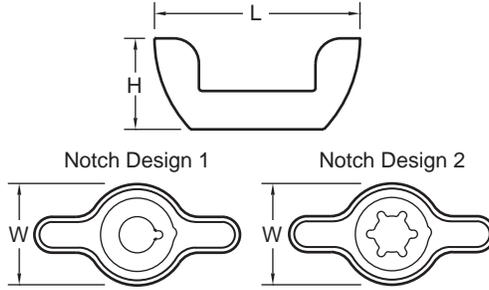
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Stamped
Wing Lock
Nuts**



**Product
Specification
Sheet**

Part Number	Thread Size	Height H	Length L	Width W	Notch Design
BFJN 832	#8-32	.359	0.812	.400	1
BFJN 1024	#10-24	.375	0.875	.432	1
BFJO 1032	#10-32	.375	0.875	.432	2
BFJN 1420	1/4-20	.422	1.062	.524	1
BFJN 51618	5/16-18	.469	1.250	.617	1

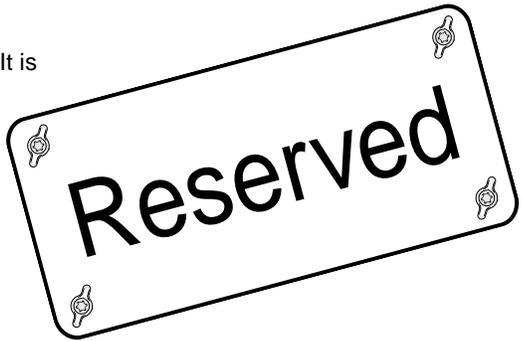


BFJO



BFJN

This versatile performer is surprisingly durable. It is manufactured to develop maximum clamping strength from a single thread, yet be resilient enough to yield in a spring-like manner to provide a vibration resistant lock. It may be removed and reused repeatedly, with no appreciable loss of locking effectiveness, as long as it is not overtightened. Spring steel withstands temperatures up to 400° F.



Material: Spring Steel



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

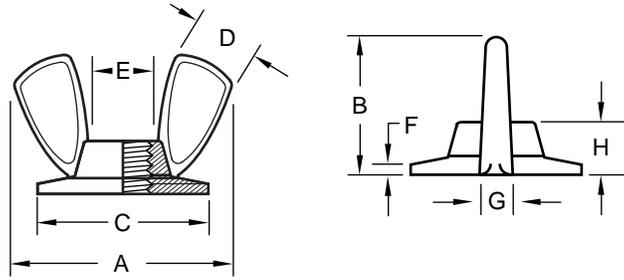
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Die Cast
Zinc Alloy
Washer Base
Wing Nut**

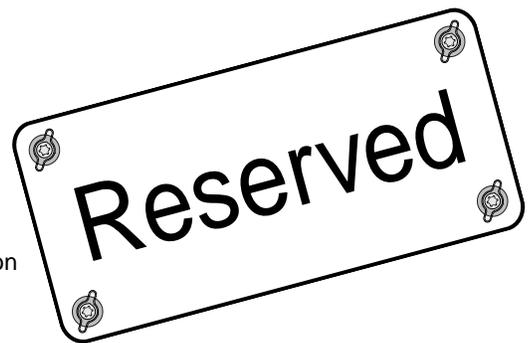


**Product
Specification
Sheet**

Part Number	Thread Size	A	B	C	D	E	F	G	H
BF 232315	#6-32	0.750	0.359	0.500	0.183	0.260	0.040	0.110	0.155
BF 232316	#8-32	0.750	0.359	0.500	0.183	0.260	0.040	0.110	0.155
BF 232416	#8-32	0.875	0.453	0.625	0.218	0.295	0.050	0.140	0.210
BF 232417	#10-24	0.875	0.453	0.625	0.218	0.295	0.050	0.140	0.210
BF 232318	#10-32	0.750	0.359	0.500	0.183	0.260	0.040	0.110	0.155
BF 232418	#10-32	0.875	0.453	0.625	0.218	0.295	0.050	0.140	0.210
BF 232521-N	1/4-20	1.000	0.500	0.750	0.250	0.335	0.035	0.155	0.225
BF 232621	1/4-20	1.125	0.578	0.875	0.275	0.375	0.062	0.160	0.250
BF 232523	5/16-18	1.000	0.500	0.750	0.250	0.335	0.035	0.155	0.225
BF 232623	5/16-18	1.125	0.578	0.875	0.275	0.380	0.062	0.160	0.250
BF 232625	3/8-16	1.125	0.578	0.875	0.275	0.380	0.062	0.160	0.250



The broad washer base and generous wing proportions make the washer base wing nut the perfect choice for the hand tightened applications where a large bearing surface is needed. Several thread sizes offer two body sizes from which to choose. Rustproof, corrosion resistant zinc alloy can be plated for decorative purposes.



Material:.....Zinc Alloy SAE 903
 Finish: Plain, Unless Specified
 Threads:..... ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved

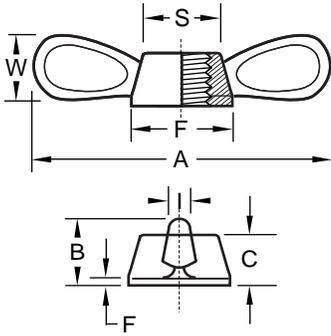


Special Purpose Die Cast Zinc Alloy Wing Nuts

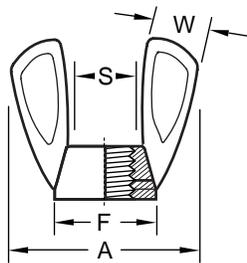


Product Specification Sheet

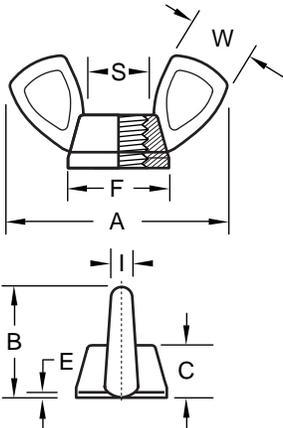
LOW WING



HIGH WING



MEDIUM WING



Low Wing									
Part Number	Thread Size	A	B	C	E	F	I	S	W
BF 226521-N	1/4-20	1.187	0.312	0.210	0.055	0.437	0.115	0.375	0.260
BF 226623	5/16-18	1.500	0.375	0.255	0.062	0.539	0.130	0.460	0.271
BF 226725	3/8-16	1.875	0.562	0.359	0.094	0.625	0.187	0.470	0.469
High Wing									
Part Number	Thread Size	A	B	C	E	F	I	S	W
BF 225421	1/4-20	1.125	0.921	0.320	0.025	0.475	0.180	0.330	0.375
BF 225523	5/16-18	1.250	1.031	0.344	0.025	0.495	0.225	0.375	0.421
Medium Wing									
Part Number	Thread Size	A	B	C	E	F	I	S	W
BF 222315	#6-32	0.843	0.425	0.180	0.015	0.415	0.130	0.250	0.270
BF 222316	#8-32	0.843	0.425	0.180	0.015	0.415	0.130	0.250	0.270
BF 222317	#10-24	0.843	0.425	0.180	0.015	0.415	0.130	0.250	0.270
BF 222318	#10-32	0.843	0.425	0.180	0.015	0.415	0.130	0.250	0.270
BF 222421	1/4-20	1.062	0.546	0.219	0.015	0.482	0.150	0.359	0.320
BF 222521	1/4-20	1.218	0.630	0.251	0.015	0.569	0.190	0.390	0.350
BF 222521-N	1/4-20	1.218	0.630	0.251	0.015	0.569	0.190	0.390	0.350
BF 222523	5/16-18	1.218	0.630	0.251	0.015	0.569	0.190	0.390	0.350
BF 222625	3/8-16	1.437	0.730	0.283	0.015	0.680	0.220	0.453	0.410
BF 222729	1/2-13	1.875	0.915	0.375	0.020	0.770	0.285	0.640	0.565

Material:..... Zinc Alloy SAE 903
 Finish:..... Plain, Unless Specified
 Threads:..... ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved

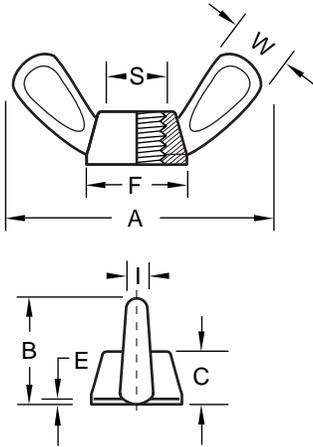


Special Purpose Die Cast Zinc Alloy Wing Nuts



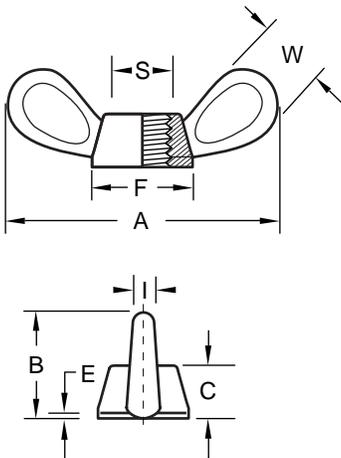
Product Specification Sheet

ECONOMY



Economy									
Part Number	Thread Size	A	B	C	E	F	I	S	W
BF 224315	#6-32	0.750	0.359	0.140	0.015	0.328	0.110	0.250	0.183
BF 224416	#8-32	0.875	0.421	0.165	0.015	0.375	0.125	0.312	0.207
BF 224417	#10-24	0.875	0.421	0.165	0.015	0.375	0.125	0.312	0.207
BF 224418	#10-32	0.875	0.421	0.165	0.015	0.375	0.125	0.312	0.207
BF 224421	1/4-20	0.875	0.421	0.165	0.015	0.375	0.125	0.312	0.207
BF 224521	1/4-20	1.000	0.484	0.185	0.015	0.437	0.140	0.343	0.234

JUNIOR



Junior									
Part Number	Thread Size	A	B	C	E	F	I	S	W
BF 223316-N	#8-32	0.750	0.359	0.160	0.015	0.312	0.093	0.250	0.226
BF 223416	#8-32	0.875	0.437	0.185	0.015	0.375	0.109	0.296	0.278
BF 223417	#10-24	0.875	0.437	0.185	0.015	0.375	0.109	0.296	0.278
BF 223317	#10-24	0.750	0.359	0.160	0.015	0.312	0.093	0.250	0.226
BF 223418	#10-32	0.875	0.437	0.185	0.015	0.375	0.109	0.296	0.278
BF 223421	1/4-20	0.875	0.437	0.185	0.015	0.375	0.109	0.296	0.278
BF 223521	1/4-20	1.000	0.500	0.210	0.015	0.437	0.125	0.343	0.316

Material:.....Zinc Alloy SAE 903
 Finish:.....Plain, Unless Specified
 Threads:.....ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

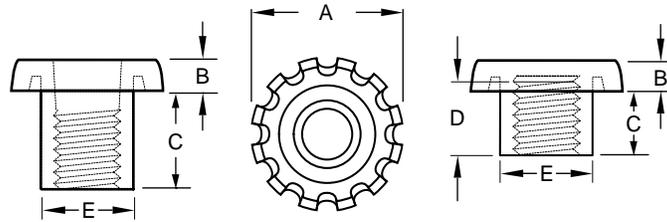
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Die Cast Zinc Alloy Thumb Nuts

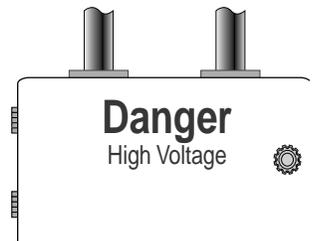


Product Specification Sheet

Part Number Open End	Thread Size	Head Diameter	Head Height	Body Length	Thread Depth	Body Diameter
		A	B	C	D	E
BF 265315	#6-32	0.500	0.110	0.171	0.302	0.245
BF 265416	#8-32	0.625	0.135	0.250	0.281	0.315
BF 265417	#10-24	0.625	0.135	0.250	0.281	0.315
BF 265418	#10-32	0.625	0.135	0.250	0.281	0.315
BF 265521	1/4-20	0.750	0.165	0.296	0.296	0.395
BF 265622	1/4-28	0.750	0.165	0.296	0.296	0.395
Part Number Closed End	Thread Size	Head Diameter	Head Height	Body Length	Thread Depth	Body Diameter
		A	B	C	D	E
BF 266315	#6-32	0.500	0.110	0.171	0.302	0.245
BF 266416	#8-32	0.625	0.135	0.250	0.281	0.315
BF 266417	#10-24	0.625	0.135	0.250	0.281	0.315
BF 266418	#10-32	0.625	0.135	0.250	0.281	0.315
BF 266521	1/4-20	0.750	0.165	0.296	0.296	0.395



The generous dimensions of the broad, serrated head on our thumb nuts provide maximum gripping surface to ensure positive hand tightening. The long body provides extra thread engagement and necessary clearance to grip the head securely. Rustproof, corrosion resistant zinc alloy can be plated for decorative purposes.



Material:..... Zinc Alloy SAE 903
 Finish:..... Plain, Unless Specified
 Threads:..... ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

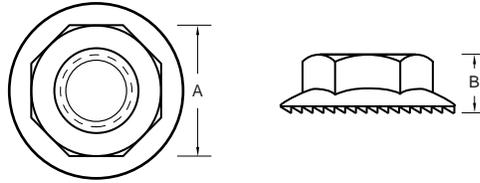
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Serrated
Flange Free
Spinning
Lock Nut**

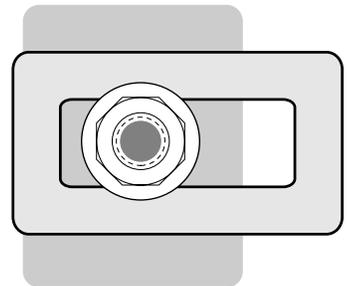


**Product
Specification
Sheet**

Part Number	Thread Size	A Width Across Flats	B Thickness	C Flange Diameter
BFWLF 1024	10-24	.375	.218	.531
		.362	.187	.484
BFWLF 1032	10-32	.375	.218	.531
		.362	.187	.484
BFWLF 1420	1/4-20	.437	.255	.609
		.428	.222	.562
BFWLF 51618	5/16-18	.500	.297	.687
		.489	.268	.641
BFWLF 3816	3/8 - 16	.562	.359	.765
		.551	.330	.703
BFWLF 1213	1/2-13	.750	.459	1.062
		.736	.437	1.000



Serrated face hex lock nuts are easy to install because they spin on freely until they contact the surface they will lock against. The locking action is so effective that up to 30% more torque is needed to remove this part than is needed to install it. It can be used up to 15 times without any appreciable loss of locking effectiveness.



Material:.....C1010 Low Carbon Steel
 Finish:Zinc
 Threads:..... Unified Standard Class 2B ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

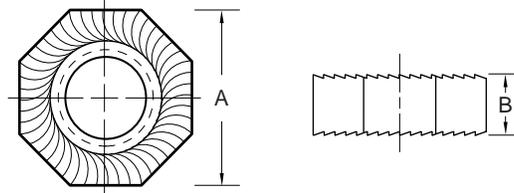
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Serrated
Face Free
Spinning
Lock Nut**

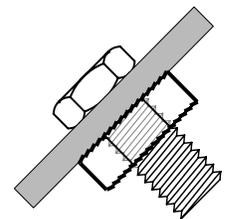


**Product
Specification
Sheet**

Part Number	Thread Size	Width Across Flats - A		Thickness - B	
		Max.	Min.	Max.	Min.
BFWLT 1420	1/4-20	.437	.428	0.266	0.212
BFWLT 51618	5/16-18	.500	.489	0.273	0.258
BFWLT 3816	3/8 - 16	.562	.551	0.337	0.32



Serrated face hex lock nuts are easy to install because they spin on freely until they contact the surface they will lock against. The locking action is so effective that up to 30% more torque is needed to remove this part than is needed to install it. It can be used up to 15 times without any appreciable loss of locking effectiveness. It is serrated on both sides to eliminate selective orientation, saving valuable installation time.



Material:..... Low Carbon Steel, Case Hardened
 Finish: Zinc
 Threads:..... Unified Standard Class 2B ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

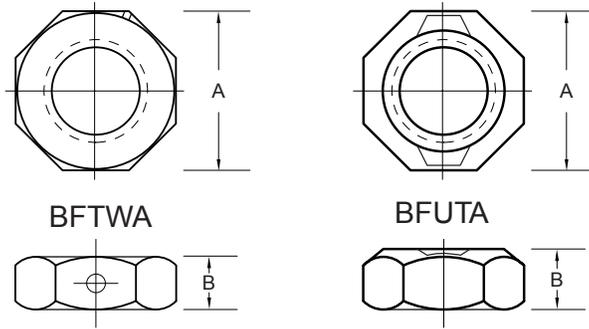
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Prevailing
Torque Hex
Lock Nuts**

**Product
Specification
Sheet**



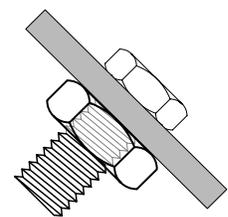
Part Number	Thread Size	A Width Across Flats		B Thickness	
		Max.	Min.	Max.	Min.
BFTWA 1420	1/4-20	.437	.428	.226	.212
BFTWA 51618	5/16-18	.500	.489	.273	.258
BFTWA 3816	3/8-16	.562	.551	.337	.320
BFTWA 3824	3/8-24	.562	.551	.337	.320
BFTWA 1213	1/2-13	.750	.736	.448	.427

Part Number	Thread Size	A Width Across Flats		B Thickness	
		Max.	Min.	Max.	Min.
BFUTA 1420	1/4-20	.437	.428	.226	.212
BFUTA 51618	5/16-18	.500	.498	.273	.258
BFUTA 3816	3/8-16	.562	.551	.337	.320
BFUTA 71614	7/16-14	.687	.675	.385	.365
BFUTA 1213	1/2-13	.750	.736	.448	.427

BFWTA



BFWTA



Material:..... Low Carbon Steel
 Finish:..... Zinc Plated
 Threads:..... Unified Standard Class 2B ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

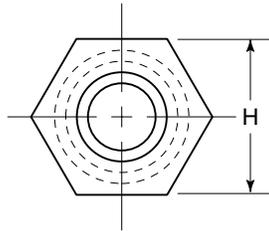
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved

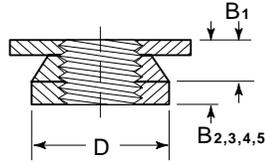


Flush Press Nut

Product Specification Sheet



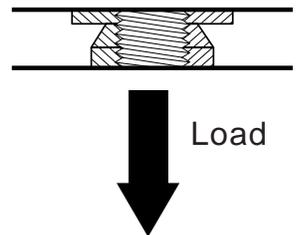
Clinching Profile May Vary



Part Number	Thread Size	D Max.	Min. Sheet Thickness	H Nominal	B Max.	Hole Size In Sheet +0.003 -0.000
BFL-256-1	#2-56	.171	.061	.188	.060	.172
BFL-256-2						
BFL-440-1	#4-40	.171	.061	.188	.060	.172
BFL-440-2						
BFL-632-1	#6-32	.212	.061	.250	.060	.213
BFL-632-2						
BFL-832-1	#8-32	.289	.061	.313	.060	.290
BFL-832-2						
BFL-1024-1	#10-24	.311	.061	.344	.060	.312
BFL-1024-2						
BFL-1032-1	#10-32	.311	.061	.344	.060	.312
BFL-1032-2						
BFL-420-3	1/4-20	.343	.126	.375	.120	.344
BFL-420-4			.156			
BFL-420-5			.187			
BFL-428-3	1/4-28	.343	.126	.375	.120	.344
BFL-428-4			.156			
BFL-428-5			.187			



Flush press nuts are recommended for use in applications where both sides of the panel in which they are to be inserted have to be free of any protrusions. They provide strong, durable threads in material .061 or thicker, which is not sturdy enough to hold threads by itself.



Material:..... 300 Series Stainless Steel
 Finish:..... Passivated
 Threads:..... Unified Standard Class 2A ASME B 1.1-2003
 Use In: Materials with Rockwell Hardness of B-70 or less



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

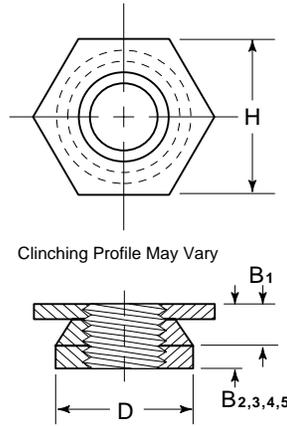
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Flush Press Nut

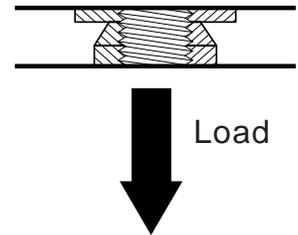
Product Specification Sheet



Part Number	Thread Size	D Max.	Min. Sheet Thickness	H Nominal	B Max.	Hole Size In Sheet +0.08 -0.0
BFL-M3-1	M3 x 0.5	4.34	1.50	4.80	1.5	4.40
BFL-M3-2			2.30		2.3	
BFL-M3.5-1	M3.5 x 0.5	5.35	1.50	6.40	1.5	5.40
BFL-M3.5-2			2.30		2.3	
BFL-M4-1	M4 x 0.7	7.34	1.50	7.94	1.5	7.40
BFL-M4-2			2.30		2.3	
BFL-M5-1	M5 x 0.8	7.87	1.50	8.73	1.5	7.90
BFL-M5-2			2.30		2.3	
BFL-M6-3	M6 x 1.0	8.71	3.20	9.53	3.2	8.75
BFL-M6-4			4.00		4.0	
BFL-M6-5			4.75		4.75	



Flush press nuts are recommended for use in applications where both sides of the panel in which they are to be inserted have to be free of any protrusions. They provide strong, durable threads in material .061 or thicker, which is not sturdy enough to hold threads by itself.



Material:..... 300 Series Stainless Steel
 Finish: Passivated
 Threads:..... 6H ISO Metric
 Use In: Materials with Rockwell Hardness of B-70 or less



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

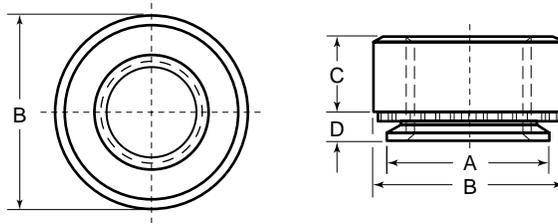
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Knurled Press Nut



Product Specification Sheet



Thread Size	Part Number		D Max.	Min. Sheet Thickness	A Max.	B ±.01in	C ±.01in	Hole In Sheet
	Carbon Steel	Stainless Steel						
#2-56	BFC-256-0	BFCS-256-0	.030	.030	.165	.250	.070	.166
	BFC-256-1	BFCS-256-1	.038	.040				
	BFC-256-2	BFCS-256-2	.054	.056				
	BFC-256-3	BFCS-256-3	.087	.091				
#3-48	BFC-348-0	BFCS-348-0	.030	.030	.165	.250	.070	.166
	BFC-348-1	BFCS-348-1	.038	.040				
	BFC-348-2	BFCS-348-2	.054	.056				
	BFC-348-3	BFCS-348-3	.087	.091				
#4-40	BFC-440-0	BFCS-440-0	.030	.030	.165	.250	.070	.166
	BFC-440-1	BFCS-440-1	.038	.040				
	BFC-440-2	BFCS-440-2	.054	.056				
	BFC-440-3	BFCS-440-3	.087	.091				
#6-32	BFC-632-0	BFCS-632-0	.030	.030	.187	.281	.070	.1875
	BFC-632-1	BFCS-632-1	.038	.040				
	BFC-632-2	BFCS-632-2	.054	.056				
	BFC-632-3	BFCS-632-3	.087	.091				
#8-32	BFC-832-0	BFCS-832-0	.030	.030	.212	.312	.090	.213
	BFC-832-1	BFCS-832-1	.038	.040				
	BFC-832-2	BFCS-832-2	.054	.056				
	BFC-832-3	BFCS-832-3	.087	.091				
#10-24	BFC-1024-0	BFCS-1024-0	.030	.030	.249	.344	.090	.250
	BFC-1024-1	BFCS-1024-1	.038	.040				
	BFC-1024-2	BFCS-1024-2	.054	.056				
	BFC-1024-3	BFCS-1024-3	.087	.091				
#10-32	BFC-1032-0	BFCS-1032-0	.030	.030	.249	.344	.090	.250
	BFC-1032-1	BFCS-1032-1	.038	.040				
	BFC-1032-2	BFCS-1032-2	.054	.056				
	BFC-1032-3	BFCS-1032-3	.087	.091				
#12-24	BFC-1224-1	BFCS-1224-1	.038	.040	.276	.380	.130	.277
	BFC-1224-2	BFCS-1224-2	.054	.056				
	BFC-1224-3	BFCS-1224-3	.087	.091				
	BFC-420-1	BFCS-420-1	.054	.056				
1/4-20	BFC-420-2	BFCS-420-2	.087	.091	.343	.437	.170	.344
	BFC-420-3	BFCS-420-3	.120	.123				
	BFC-428-1	BFCS-428-1	.054	.056				
1/4-28	BFC-428-2	BFCS-428-2	.087	.091	.343	.437	.170	.344
	BFC-428-3	BFCS-428-3	.120	.123				
	BFC-518-1	BFCS-518-1	.054	.056				
5/16-18	BFC-518-2	BFCS-518-2	.087	.091	.411	.500	.230	.413
	BFC-518-3	BFCS-518-3	.120	.123				
	BFC-524-1	BFCS-524-1	.054	.056				
5/16-24	BFC-524-2	BFCS-524-2	.087	.091	.411	.500	.230	.413
	BFC-524-3	BFCS-524-3	.120	.123				
	BFC-616-1	BFCS-616-1	.087	.091				
3/8-16	BFC-616-2	BFCS-616-2	.120	.123	.498	.562	.270	.500
	BFC-616-3	BFCS-616-3	.235	.250				
	BFC-624-1	BFCS-624-1	.087	.091				
3/8-24	BFC-624-2	BFCS-624-2	.120	.123	.498	.562	.270	.500
	BFC-624-3	BFCS-624-3	.235	.250				

Material: Heat-treated Carbon Steel
 Finish: Zinc Clear
 Thread: Unified Class 2B, ANSI B1.1-1982
 Use In: Materials with Rockwell Hardness of B-85 or less

Material: 300 Series Stainless Steel
 Finish: Passivated TMA380
 Thread: Unified Class 2B, ANSI B1.1-1982
 Use In: Materials with Rockwell Hardness of B-70 or less



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

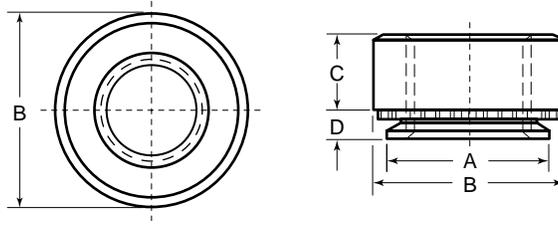
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Knurled Press Nut



Product Specification Sheet



Thread Size	Part Number		D Max.	Hole in Sheet	A Max.	B ±.25	C ±.25
	Carbon Steel	Stainless Steel					
M2 x 0.4	BFC-M2-0	BFCS-M2-0	0.76	4.25	4.22	6.30	1.50
	BFC-M2-1	BFCS-M2-1	0.97				
	BFC-M2-2	BFCS-M2-2	1.37				
	BFC-M2-3	BFCS-M2-3	2.21				
M2.5 x 0.45	BFC-M2.5-0	BFCS-M2.5-0	0.76	4.25	4.22	6.30	1.50
	BFC-M2.5-1	BFCS-M2.5-1	0.97				
	BFC-M2.5-2	BFCS-M2.5-2	1.37				
	BFC-M2.5-3	BFCS-M2.5-3	2.21				
M3 x 0.5	BFC-M3-0	BFCS-M3-0	0.76	4.25	4.22	6.30	1.50
	BFC-M3-1	BFCS-M3-1	0.97				
	BFC-M3-2	BFCS-M3-2	1.37				
	BFC-M3-3	BFCS-M3-3	2.21				
M3.5 x 0.6	BFC-M3.5-0	BFCS-M3.5-0	0.76	4.75	4.73	7.10	1.50
	BFC-M3.5-1	BFCS-M3.5-1	0.97				
	BFC-M3.5-2	BFCS-M3.5-2	1.37				
	BFC-M3.5-3	BFCS-M3.5-3	2.21				
M4 x 0.7	BFC-M4-0	BFCS-M4-0	0.76	5.40	5.38	7.90	2.00
	BFC-M4-1	BFCS-M4-1	0.97				
	BFC-M4-2	BFCS-M4-2	1.37				
	BFC-M4-3	BFCS-M4-3	2.21				
M5 x 0.8	BFC-M5-0	BFCS-M5-0	0.76	6.40	6.38	8.70	2.00
	BFC-M5-1	BFCS-M5-1	0.97				
	BFC-M5-2	BFCS-M5-2	1.37				
	BFC-M5-3	BFCS-M5-3	2.21				
M6 x 1.0	BFC-M6-1	BFCS-M6-1	1.37	8.75	8.72	11.05	4.08
	BFC-M6-2	BFCS-M6-2	2.21				
	BFC-M6-3	BFCS-M6-3	3.05				
M8 x 1.25	BFC-M8-1	BFCS-M8-1	1.37	10.50	10.44	12.65	5.47
	BFC-M8-2	BFCS-M8-2	2.21				
	BFC-M8-3	BFCS-M8-3	3.05				
M10 x 1.5	BFC-M10-1	BFCS-M10-1	2.21	14.00	13.94	17.35	7.48
	BFC-M10-2	BFCS-M10-2	3.05				
	BFC-M10-3	BFCS-M10-3	6.00				

Material: ... Heat-treated Carbon Steel

Finish: Zinc Clear

Thread: ANSI B1.13-1982

Use In: Materials with Rockwell

Hardness of B-85 or less

Material: 300 Series Stainless Steel

Finish: Passivated TMA380

Thread: ANSI B1.13-1982

Use In: Materials with Rockwell Hardness
of B-70 or less



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

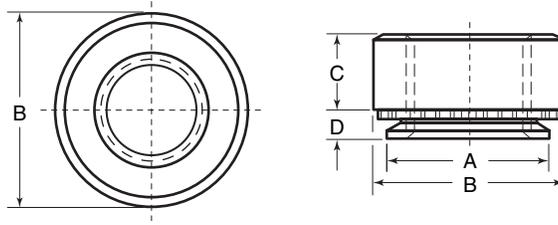
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Aluminum Knurled Press Nut



Product Specification Sheet

Inch (in)						
Thread Size	Part Number	D Max.	Min. Sheet Thickness	A Max.	B ±0.01	C ±0.01
#2-56	BFCA-256-1	.038	.040	.165	.250	.070
	BFCA-256-2	.054	.056			
#4-40	BFCA-440-1	.038	.040	.187	.250	.090
	BFCA-440-2	.054	.056			
#6-32	BFCA-632-1	.038	.040	.212	.281	.090
	BFCA-632-2	.054	.056			
#8-32	BFCA-832-1	.038	.040	.233	.312	.130
	BFCA-832-2	.054	.056			
	BFCA-832-3	.087	.091			
#10-24	BFCA-1024-1	.038	.040	.295	.380	.160
	BFCA-1024-2	.054	.056			
#10-32	BFCA-1032-1	.038	.040	.295	.380	.160
	BFCA-1032-2	.054	.056			
1/4-20	BFCA-420-1	.054	.056	.343	.440	.170
	BFCA-420-2	.087	.091			
	BFCA-420-3	.120	.123			
Metric (mm)						
Thread Size	Part Number	D Max.	Min. Sheet Thickness	A Max.	B ±0.25	C ±0.25
M2 x 0.4	BFCA-M2-1	0.97	1.0	4.22	6.3	1.5
	BFCA-M2-2	1.37	1.4			
M3 x 0.5	BFCA-M3-1	0.97	1.0	4.73	6.3	2.0
	BFCA-M3-2	1.37	1.4			
M3.5 x 0.6	BFCA-M3.5-1	0.97	1.0	5.38	7.1	2.0
	BFCA-M3.5-2	1.37	1.4			
M4 x 0.7	BFCA-M4-1	0.97	1.0	5.97	7.9	3.0
	BFCA-M4-2	1.37	1.4			
M5 x 0.8	BFCA-M5-1	0.97	1.0	7.47	9.5	3.8
	BFCA-M5-2	1.37	1.4			
M6 x 1.0	BFCA-M6-1	1.37	1.4	8.72	11.0	4.1
	BFCA-M6-2	2.21	2.3			



Material: 2024-T4 Aluminum 2024-T4 Aluminum
 Finish: Passivated TMA380
 Thread: Unified Class 2B, ANSI B1.1-1982
 Use In: Materials with Rockwell Hardness of B-50 or less



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

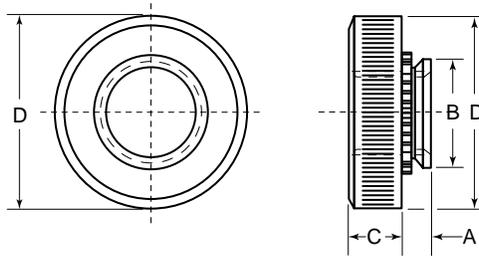
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Knurled Press Nut



Product Specification Sheet

Inch								
Part Number	Thread Size	A Max.	Min. Sheet Thickness	Hole Dia. + .003 in. - .000	B Max.	C ± .01	D ± .01	Min. Distance to Edge
BFSP-440-0	#4-40	.030	.030	.166	.165	.07	.25	0.19
BFSP-440-1		.038	.040					0.19
BFSP-440-2		.054	.056					0.19
BFSP-632-0	#6-32	.030	.030	.188	.187	.07	.28	0.22
BFSP-632-1		.038	.040					0.22
BFSP-632-2		.054	.056					0.22
BFSP-832-0	#8-32	.030	.030	.213	.212	.09	.31	0.27
BFSP-832-1		.038	.040					0.27
BFSP-832-2		.054	.056					0.27
BFSP-1032-0	#10-32	.030	.030	.250	.249	.09	.34	0.28
BFSP-1032-1		.038	.040					0.28
BFSP-1032-2		.054	.056					0.28
BFSP-420-1	1/4-20	.054	.056	.344	.343	.17	.44	0.34
BFSP-420-2		.087	.091					.344
Metric (mm)								
Part Number	Thread Size	A Max.	Min. Sheet Thickness	Hole Dia. +0.08 mm - .000	B Max.	C± .25	D± .25	Min.
BFSP-M3-0	M3 x 0.5	0.76	0.8	4.25	4.22	1.5	6.3	4.8
BFSP-M3-1		0.97	1.0					4.8
BFSP-M3-2		1.37	1.4					4.8
BFSP-M4-0	M4 x 0.7	0.76	0.8	5.40	5.38	2.0	7.9	6.9
BFSP-M4-1		0.97	1.0					6.9
BFSP-M4-2		1.37	1.4					6.9
BFSP-M5-0	M5 x 0.8	0.76	0.8	6.40	6.38	2.0	8.7	7.1
BFSP-M5-1		0.97	1.0					7.1
BFSP-M5-2		1.37	1.4					7.1
BFSP-M6-1	M6 x 1	1.37	1.4	8.75	8.72	4.1	11.1	8.6



Material: Precipitation Hardening Grade Stainless Steel
 Finish: Passivated ASTMA380
 Thread: Class 2B, MIL-S-7742; (6H ISO metric)
 Use In: Materials with Rockwell Hardness of B-88 or less.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

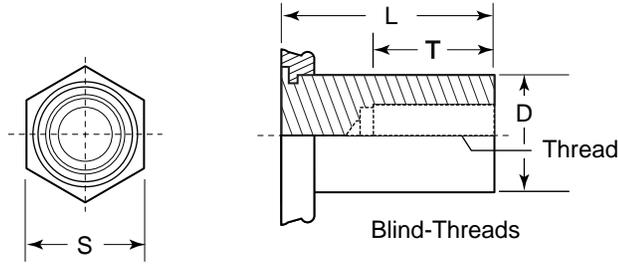
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Flush Hex Blind Stand Off



Product Specification Sheet



Thread Size		4-40	4-40	6-32	6-32	8-32	10-32
Hole In Sheet +.003 -.005		0.166	0.213	0.213	0.281	0.281	0.281
Diameter - D +.000 -.005		0.165	0.212	0.212	0.280	0.280	0.280
Hex Dimension - S (Nominal)		0.188	0.250	0.250	0.313	0.313	0.313
Depth - T	Length - L	Part Suffix					
5/32	0.313	440-10	6440-10	632-10	8632-10	832-10	1032-10
	0.375	440-12	6440-12	632-12	8632-12	832-12	1032-12
3/16	0.438	440-14	6440-14	632-14	8632-14	832-14	1032-14
1/4	0.500	440-16	6440-16	632-16	8632-16	832-16	1032-16
	0.563	440-18	6440-18	632-18	8632-18	832-18	1032-18
	0.625	440-20	6440-20	632-20	8632-20	832-20	1032-20
3/8	0.688	440-22	6440-22	632-22	8632-22	832-22	1032-22
	0.750	440-24	6440-24	632-24	8632-24	832-24	1032-24
	0.813	440-26	6440-26	632-26	8632-26	832-26	1032-26
	0.875	440-28	6440-28	632-28	8632-28	832-28	1032-28
	0.937	440-30	6440-30	632-30	8632-30	832-30	1032-30
	1.000	440-32	6440-32	632-32	8632-32	832-32	1032-32
	1.063	440-34	6440-34	632-34	8632-34	832-34	1032-34

Note:
require.
Example:
Description:

Part numbers in table are incomplete. Add the prefix which is applicable to the material you

Part Number:BFBSOS-440-24
Stainless Steel • #440 Thread size • Length (L) of 24/32" (.75")
Maximum recommended panel hardness:

BFBSO.....Rockwell B-80
BFBSOSRockwell B-70
BFBSOARockwell B-50

Material:

BFBSO – Carbon Steel, Heat Treated, Zinc Plated With Clear Chromate
BFBSOS – 300 Stainless Steel, Passivated
BFBSOA – 7075-T6 Aluminum



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

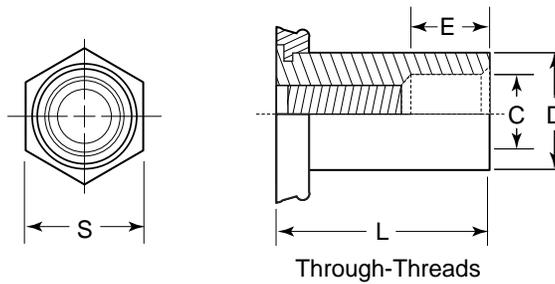
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Flush Hex
Clinching
Stand Off**



**Product
Specification
Sheet**



Thread Size		4-40	4-40	6-32	6-32	8-32	10-32
Hole In Sheet +.003 -.005		0.166	0.213	0.213	0.281	0.281	0.281
Diameter +.000 -.005	D	0.165	0.212	0.212	0.280	0.280	0.280
Hex Dimension (Nominal)	S	0.188	0.250	0.250	0.313	0.313	0.313
Counter-bore Diameter	C	0.125	0.125	0.156	0.156	0.188	0.203
Depth E	Length L	Part Suffix	Part Suffix	Part Suffix	Part Suffix	Part Suffix	Part Suffix
None	0.125	440-4	6440-4	632-4	8632-4	832-4	1032-4
	0.188	440-6	6440-6	632-6	8632-6	832-6	1032-6
	0.250	440-8	6440-8	632-8	8632-8	832-8	1032-8
	0.313	440-10	6440-10	632-10	8632-10	832-10	1032-10
3/16	0.375	440-12	6440-12	632-12	8632-12	832-12	1032-12
	0.438	440-14	6440-14	632-14	8632-14	832-14	1032-14
	0.500	440-16	6440-16	632-16	8632-16	832-16	1032-16
	0.563	440-18	6440-18	632-18	8632-18	832-18	1032-18
5/16	0.625	440-20	6440-20	632-20	8632-20	832-20	1032-20
	0.688		6440-22	632-22	8632-22	832-22	1032-22
	0.750		6440-24	632-24	8632-24	832-24	1032-24
	0.813		6440-26	632-26	8632-26	832-26	1032-26
7/16	0.875		6440-28	632-28	8632-28	832-28	1032-28

Note:
require.

Part numbers in table are incomplete. Add the prefix which is applicable to the material you

BFSO – Carbon Steel
BFSOS – Stainless Steel
BFSOA – Aluminum

Example:
Description:

Part Number: BFBSOS-440-24
Stainless Steel • #440 Thread size • Length (L) of 24/32" (.75")
Maximum recommended panel hardness:

BFSO Rockwell B-80
BFSOS..... Rockwell B-70
BFSOA..... Rockwell B-50
300 Series Stainless Steel.
Passivated ASTMA380.

Material:
Finish:



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

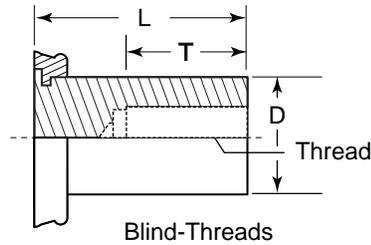
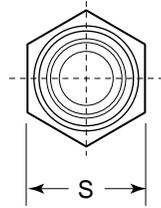
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric Flush
Hex Blind
Stand Off**



**Product
Specification
Sheet**

Thread Size		M3	M3	M3.5	M4	M5
Hole in Sheet +.08 -.00		4.2	5.4	5.4	7.2	7.2
Diameter +0.0 - 0.13	D	4.19	5.38	5.38	7.11	7.11
Hex Size	S	4.8	6.4	6.4	7.9	7.9
Depth T ±0.4	Length L	Part Suffix	Part Suffix	Part Suffix	Part Suffix	Part Suffix
4.0	8	M3-8	3.5M3-8	M3.5-8	M4-8	M5-8
	10	M3-10	3.5M3-10	M3.5-10	M4-10	M5-10
5.0	12	M3-12	3.5M3-12	M3.5-12	M4-12	M5-12
	14	M3-14	3.5M3-14	M3.5-14	M4-14	M5-14
6.5	16	M3-16	3.5M3-16	M3.5-16	M4-16	M5-16
9.5	18	M3-18	3.5M3-18	M3.5-18	M4-18	M5-18
	20		3.5M3-20	M3.5-20	M4-20	M5-20
	22		3.5M3-22	M3.5-22	M4-22	M5-22
	25		3.5M3-25	M3.5-25	M4-25	M5-25



Note:
require. Example:
Description:

Part numbers in table are incomplete. Add the prefix which is applicable to the material you

Part Number: BFBSOS-M3.5-20
Stainless Steel • M3.5 Thread size • Length (L) of 20mm

Maximum recommended panel hardness:

BFBSO.....Rockwell B-80

BFBSOSRockwell B-70

BFBSOARockwell B-50

Material:

BFBSO – Carbon Steel, Heat Treated, Zinc Plated With Clear Chromate

BFBSOS – 300 Stainless Steel, Passivated

BFBSOA – 7075-T6 Aluminum

Thread:

ANSI / ASME B 1.13-1989



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

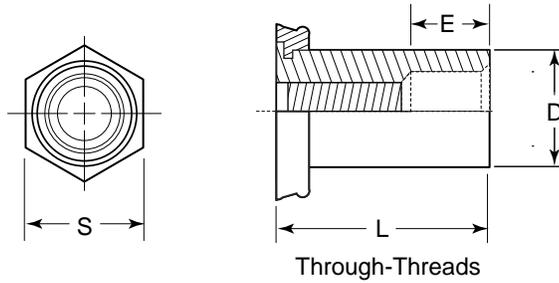
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Flush Hex
Clinching
Stand Off**



**Product
Specification
Sheet**

Thread Size		M3	M3	M3.5	M4	M5
Hole in Sheet +.08 -.00		4.2	5.4	5.4	7.2	7.2
Diameter +0.0 - 0.13	D	4.19	5.38	5.38	7.11	7.11
Hex Size	S	4.8	6.4	6.4	7.9	7.9
Depth T ±0.4	Length L	Part Suffix	Part Suffix	Part Suffix	Part Suffix	Part Suffix
None	3	M3-3	3.5M3-3	M3.5-3	M4-3	M5-3
	4	M3-4	3.5M3-4	M3.5-4	M4-4	M5-4
	6	M3-6	3.5M3-6	M3.5-6	M4-6	M5-6
4.0	8	M3-8	3.5M3-8	M3.5-8	M4-8	M5-8
	10	M3-10	3.5M3-10	M3.5-10	M4-10	M5-10
5.0	12	M3-12	3.5M3-12	M3.5-12	M4-12	M5-12
	14	M3-14	3.5M3-14	M3.5-14	M4-14	M5-14
6.5	16		3.5M3-16	M3.5-16	M4-16	M5-16
9.5	18		3.5M3-18	M3.5-18	M4-18	M5-18
	20				M4-20	M5-20
	22				M4-22	M5-22



Note:
require. Example:
Description:

Part numbers in table are incomplete. Add the prefix which is applicable to the material you

Part Number: BFSOS-M3.5-20
Stainless Steel • M3.5 Thread size • Length (L) of 20mm

Maximum recommended panel hardness:

BFSORockwell B-80

BFSOS.....Rockwell B-70

BFSOA.....Rockwell B-50

Material:

BFSO – Carbon Steel, Heat Treated, Zinc Plated With Clear Chromate

BFSOS – 300 Stainless Steel, Passivated

BFSOA – 7075-T6 Aluminum

Thread:

ANSI / ASME B 1.13-1989



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

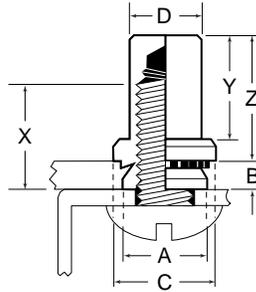
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Blind Press Nut



Product Specification Sheet

Inch (in)

Thread Size	Part Number		Barrel Diameter D Max.	Min. Sheet Thickness	Shank Diameter A Max.	Y Max.	B Max.	C ±.01	Z ±.01	X Min.
	Carbon Steel	Stainless Steel								
#4-40	BFB-440-1	BFBS-440-1	.149	.040	.165	.335	.038	.25	.38	.21
	BFB-440-2	BFBS-440-2								
#6-32	BFB-632-1	BFBS-632-1	.169	.040	.186	.335	.038	.28	.38	.23
	BFB-632-2	BFBS-632-2								
#8-32	BFB-832-1	BFBS-832-1	.204	.040	.212	.385	.038	.31	.44	.28
	BFB-832-2	BFBS-832-2								
#10-32	BFB-1032-1	BFBS-1032-1	.235	.040	.249	.385	.038	.34	.44	.28
	BFB-1032-2	BFBS-1032-2								
1/4-20	BFB-420-1	BFBS-420-1	.305	.056	.343	.500	.054	.43	.56	.31
	BFB-420-2	BFBS-420-2								

Metric (mm)

Thread Size	Part Number		Barrel Diameter D Max.	Min. Sheet Thickness	Shank Diameter A Max.	Y Max.	B Max.	C ±.25	Z ±.25	X Min.
	Carbon Steel	Stainless Steel								
M3 x 0.5	BFB-M3-1	BFBS-M3-1	3.8	1.0	4.22	8.5	0.97	6.35	9.6	5.3
	BFB-M3-2	BFBS-M3-2								
M4 x 0.7	BFB-M4-1	BFBS-M4-1	5.2	1.0	5.38	9.8	0.97	7.95	11.2	7.1
	BFB-M4-2	BFBS-M4-2								
M5 x 0.8	BFB-M5-1	BFBS-M5-1	6.0	1.0	6.38	9.8	0.97	8.75	11.2	7.1
	BFB-M5-2	BFBS-M5-2								
M6 x 1.0	BFB-M6-1	BFBS-M6-1	7.8	1.4	8.72	12.7	1.37	11.1	14.3	7.8
	BFB-M6-2	BFBS-M6-2								



Material: Heat-treated Carbon Steel
 Finish: Zinc with Clear Chromate
 Thread: Class 2B, MIL-S-7742; (6H ISO metric)
 Use In: Materials with Rockwell Hardness of B-80 or less
 Material: 300 Series Stainless Steel
 Finish: Passivated
 Thread: Class 2B, MIL-S-7742; (6H ISO metric)
 Use In: Materials with Rockwell Hardness of B-70 or less



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

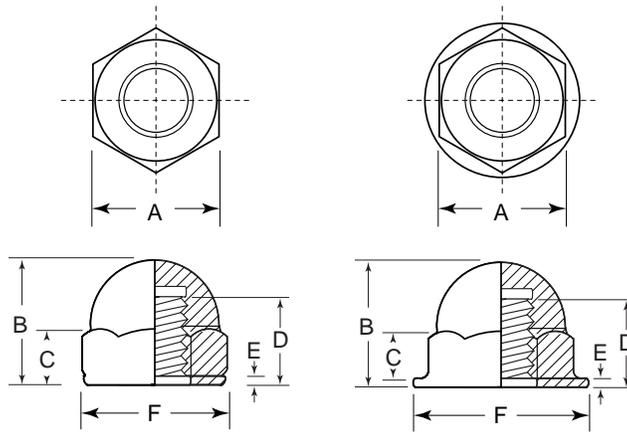
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Die Cast Zinc Alloy Closed End Cap Nuts

Product Specification Sheet



Part Number	Thread Size	Width Across Flats	Height	Hex Height	Thread Depth	Jam Height	Jam Diameter
		A	B	C	D	E	F
BF 292315	#6-32	0.312	0.281	0.135	0.187	0.008	0.302
BF 292316	#8-32	0.312	0.281	0.135	0.187	0.008	0.302
BF 292417	#10-24	0.375	0.343	0.168	0.218	0.008	0.370
BF 292418	#10-32	0.375	0.343	0.168	0.218	0.008	0.370
BF 292521	1/4-20	0.437	0.375	0.172	0.250	0.008	0.430
BF 293521	1/4-20	0.437	0.468	0.172	0.250	0.008	0.430
BF 293521-N	1/4-20	0.437	0.468	0.172	0.250	0.008	0.430
BF 292523	5/16-18	0.562	0.375	0.172	0.218	0.008	0.430
BF 292623-N	5/16-18	0.562	0.437	0.200	0.281	0.012	0.552
BF 293523	5/16-18	0.562	0.468	0.200	0.281	0.012	0.552



Part Number	Thread Size	Width Across Flats	Height	Hex Height	Thread Depth	Jam Height	Jam Diameter
		A	B	C	D	E	F
BF 295315	#6-32	0.312	0.296	0.127	0.187	0.030	0.367
BF 295316	#8-32	0.312	0.296	0.127	0.187	0.030	0.367
BF 295417-N	#10-24	0.375	0.375	0.160	0.218	0.035	0.440
BF 295418	#10-32	0.375	0.375	0.160	0.218	0.035	0.440
BF 295521	1/4-20	0.437	0.406	0.164	0.250	0.040	0.512
BF 295623	5/16-18	0.562	0.468	0.188	0.312	0.045	0.657
BF 295725-N	3/8-16	0.625	0.531	0.213	0.343	0.050	0.729

Material:.....Zinc Alloy SAE 903
 Finish:.....Plain, Unless Specified
 Threads:.....Unified Standard Class 2B ASME B 1.1-2003..... Specified
 Tolerances:.....± 0.015
 Unless Otherwise



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

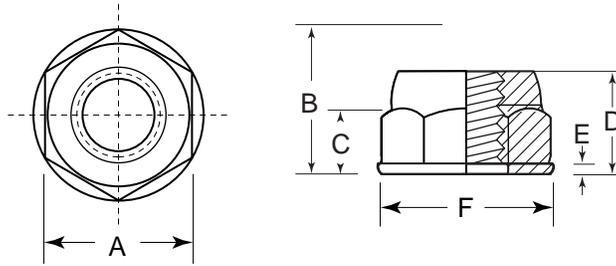
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Zinc Alloy
Open End
Washer
Base Nut**



**Product
Specification
Sheet**

Part Number	Thread Size	Width Across Flats	Height	Hex Height	Washer Height	Washer Diameter
		A	B	C	E	F
BF 296417	#10-24	0.375	0.312	0.160	0.035	0.440
BF 296418	#10-32	0.375	0.312	0.160	0.035	0.440
BF 296521	1/4-20	0.437	0.406	0.164	0.040	0.512
BF 296521-N	1/4-20	0.437	0.406	0.164	0.040	0.512
BF 296623	5/16-18	0.562	0.406	0.188	0.045	0.657
Full Washer Base						
BF 297421	1/4-20	0.375	0.312	0.164	0.040	0.593



Low cost zinc alloy open end cap nuts permit the use of the same part when thickness of the component parts to be fastened varies.

The generous dimensions of the washer base will compensate for holes in the component parts which are slightly oversized.

Material:.....Zinc Alloy SAE 903
 Finish:.....Plain, Unless Specified
 Threads:.....Unified Standard Class 2B ASME B 1.1-2003

Tolerances:± 0.015
Unless Otherwise Specified



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

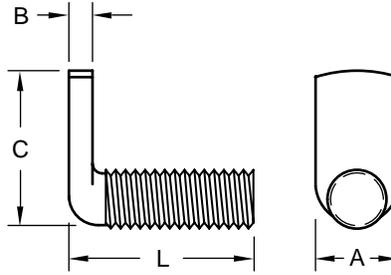
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



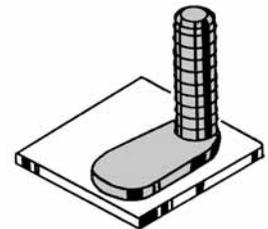
**Right Angle
Spotweld
Screw**



**Product
Specification
Sheet**

Thread Size		#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18	3/8-16
Spade	A (Ref.)	0.218	0.250	0.312	0.343	0.375	0.437	0.531
	B	0.052	0.068	0.068	0.068	0.099	0.130	0.161
		0.042	0.058	0.058	0.058	0.089	0.120	0.151
C (Ref.)	0.562	0.625	0.688	0.688	0.750	0.875	1.000	
Length - L (Overall)	3/8		SS 1406	SS 1506	SS 1606			
	1/2	SS 1108	SS 1408	SS 1508	SS 1608	SS 2108		
	5/8		SS 1410	SS 1510		SS 2110	SS 2710	
Tolerance	3/4		SS 1412	SS 1512	SS 1612	SS 2112	SS 2712	
	7/8					SS 2114		
Over 1" to 2" (Inclusive)	+0.00							
	-0.03	1	SS 1416	SS 1516	SS 1616	SS 2116	SS 2716	SS 3316
		1-1/4		SS 1520		SS 2120	SS 2720	SS 3320
+0.00		1-1/2	SS 1424	SS 1524		SS 2124	SS 2724	SS 3324
		1-3/4				SS 2128		
	-0.06	2		SS 1532		SS 2132	SS 2732	

The SS spot weld screw has an ideally shaped flat spade at a right angle to the threads. The spade offers dual advantages; it permits welding to or through metal surfaces. The spade has been manufactured to accommodate various sizes of electrode tips. Because it is a spot weld part, the same settings, electrodes and welding equipment used normally in your production can also be utilized to apply SS spot weld screws. This screw is used to good advantage in confined areas such as narrow channels, walled corners and in those applications requiring threads offset from component surfaces



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:Unified Standard Class 2A
ASME B1.1-2003

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

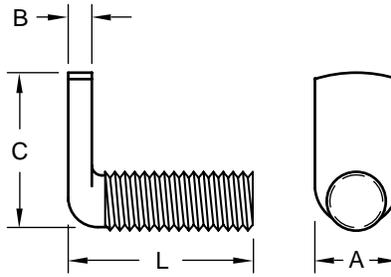
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Right Angle Spotweld Screw

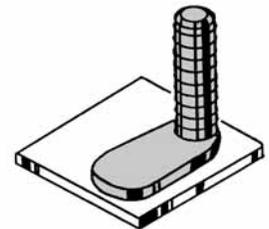


Product Specification Sheet

Thread Size		M3.5 x 0.6-6g	M4 x 0.7-6g	M5 x 0.8-6g	M6 x 1-6g	M8 x 1.25-6g	M10 x 1.5-6g
Spade Width	A Reference	5.5	6.2	7.9	8.9	11.8	14.3
Spade Thickness	B Tolerance + 0.10 - 0.15	1.3	1.5	1.9	2.4	3.3	4.3
Spade Length	C Reference	14	15	17	19	22	26
Length L Tolerance Up to 25mm + 0.0 - 0.8 Over 25mm to 50mm + 0.0 - 1.6	10.0		SSM 04010	SSM 05010			
	14.0	SSM 03514	SSM 04014	SSM 05014	SSM 06014		
	16.0		SSM 04016	SSM 05016	SSM 06016	SSM 08016	
	20.0		SSM 04020	SSM 05020	SSM 06020	SSM 08020	
	25.0		SSM 04025	SSM 05025	SSM 06025	SSM 08025	SSM 10025
	30.0			SSM 05030	SSM 06030	SSM 08030	SSM 10030
	40.0		SSM 04040		SSM 06040	SSM 08040	SSM 10040
	50.0			SSM 05050	SSM 06050	SSM 08050	



The SSM metric spot weld screw has an ideally shaped flat spade at a right angle to the threads. The spade offers dual advantages; it permits welding to or through metal surfaces. The spade has been manufactured to accommodate various sizes of electrode tips. Because it is a spot weld part, the same settings, electrodes and welding equipment used normally in your production can also be utilized to apply SSM spot weld screws. This screw is used to good advantage in confined areas such as narrow channels, walled corners and in those applications requiring threads offset from component surfaces



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

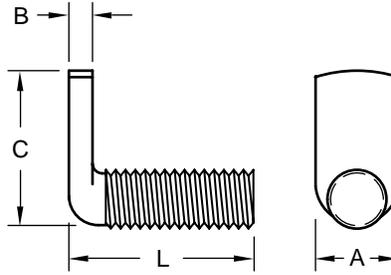
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Right Angle Spotweld Screw

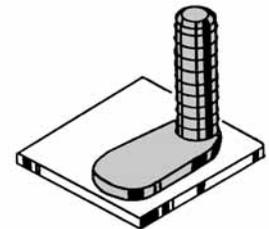


Product Specification Sheet

Thread Size		#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18	3/8-16
Spade	A (Ref.)	0.218	0.250	0.312	0.343	0.375	0.437	0.531
	B	0.052	0.068	0.068	0.068	0.099	0.130	0.161
		0.042	0.058	0.058	0.058	0.089	0.120	0.151
C (Ref.)	0.562	0.625	0.688	0.688	0.750	0.875	1.000	
Length (Overall)	3/8	SSZ 1106	SSZ 1406	SSZ 1506	SSZ 1606			
	1/2	SSZ 1108	SSZ 1408	SSZ 1508	SSZ 1608	SSZ 2108		
	5/8		SSZ 1410	SSZ 1510		SSZ 2110	SSZ 2710	
Tolerance	3/4		SSZ 1412	SSZ 1512	SSZ 1612	SSZ 2112	SSZ 2712	
	+0.00	7/8				SSZ 2114		
Over 1" to 2" (Inclusive)	-0.03	1		SSZ 1416	SSZ 1516	SSZ 1616	SSZ 2116	SSZ 2716
	+0.00	1-1/4			SSZ 1520		SSZ 2120	SSZ 2720
		1-1/2		SSZ 1424	SSZ 1524		SSZ 2124	SSZ 2724
-0.06	1-3/4					SSZ 2128		
	2			SSZ 1532		SSZ 2132	SSZ 2732	



The SSZ stainless steel spot weld screw has an ideally shaped flat spade at a right angle to the threads. The spade offers dual advantages; it permits welding to or through metal surfaces. The spade has been manufactured to accommodate various sizes of electrode tips. Because it is a spot weld part, the same settings, electrodes and welding equipment used normally in your production can also be utilized to apply SSZ stainless steel spot weld screws. This screw is used to good advantage in confined areas such as narrow channels, walled corners and in those applications requiring threads offset from component surfaces



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2A
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

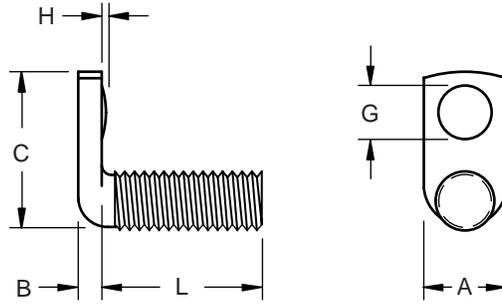
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Projection
Weld Screw
With Right
Angle Spade**

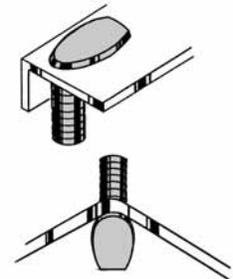


**Product
Specification
Sheet**

Part Number	Thread Size	Length (Under Head) L	Spade			Projection	
			Width A (Ref.)	Thickness B	Length C (Ref.)	Diameter G	Height H
DW 2108	1/4-20	0.500	0.375	0.099	0.750	0.223	0.029
		0.470		0.089		0.213	0.025
DW 2712	5/16-18	0.750	0.438	0.130	0.875	0.286	0.029
		0.720		0.120		0.276	0.025



The DW weld screw is manufactured with a long, narrow spade at right angles to the thread and a single button projection. The DW weld screw is particularly suitable for use in narrow channels, confined areas and corners. It can also be used in applications where threads must be offset from the surface. The DW weld screw is easy to locate and it produces a strong, sound weld.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:Unified Standard Class 2A
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

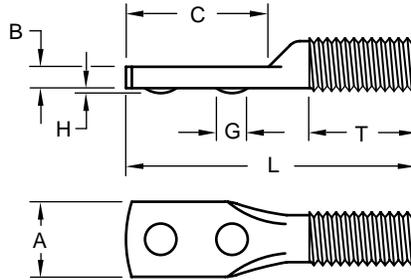
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



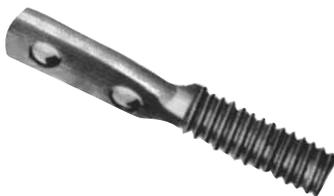
Spade Weld Screw With Projections



Product Specification Sheet

Thread Size		#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18	3/8-16
Spade Width (Ref.)	A	0.218	0.250	0.312	0.343	0.375	0.437	0.531
Spade Thickness	B	0.052	0.067	0.067	0.067	0.099	0.130	0.161
		0.042	0.057	0.057	0.057	0.089	0.120	0.151
Spade Length (Ref.)	C	0.438	0.500	0.625	0.625	0.750	0.875	1.000
Projections	G-Diameter	0.105	0.115	0.130	0.130	0.165	0.185	0.225
	H-Height	0.020	0.023	0.025	0.025	0.027	0.033	0.038
		0.014	0.017	0.019	0.019	0.021	0.027	0.032
Length (Overall)	Min. Thread Length (T)	#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18	3/8-16
		3/4	1/4	PD 1112				
		7/8	3/8	PD 1114				
		1	3/8		PD 1416			
		1-1/4	5/8		PD 1420			
		1-1/4	3/8			PD 2120		
		1-1/2	3/4		PD 1524	PD 1624		
		1-1/2	5/8			PD 2124		
		1-1/2	7/16				PD 2724	
		1-3/4	7/8			PD 2128		
		1-3/4	11/16				PD 2728	
		1-3/4	1/2					PD 3328
		2	1-1/8			PD 2132		
		2	3/4					PD 3332
		2-1/4	1-3/8			PD 2136		
		2-1/2	1-1/4					PD 3340
		3	1-1/2					PD 3348

Cold formed for great strength and accuracy, the PD weld screw has an offset spade with two weld projections. This feature enables the PD to be used where a threaded fastener is required on the edge of a sheet or on the side of a component part.



The PD weld screw is particularly useful for mounting covers or lids and, in addition, can be conveniently welded on tubing or to curved surfaces. PD weld screws not only make assembly of components easier, but they contribute to better product performance by providing a strong, durable fastening method.



Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified
 Threads:Unified Standard Class 2A ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

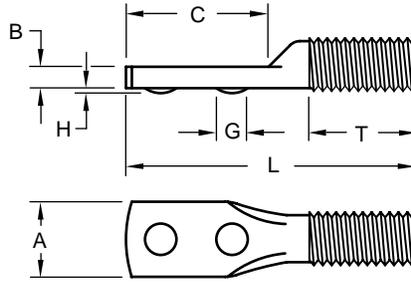
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



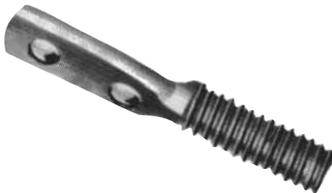
Stainless Steel Spade Weld Screw With Projections



Product Specification Sheet

Thread Size		#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18
Spade Width (Ref.)	A	0.218	0.250	0.312	0.343	0.375	0.437
Spade Thickness	B	0.052	0.067	0.067	0.067	0.099	0.130
		0.042	0.057	0.057	0.057	0.089	0.120
Spade Length (Ref.)	C	0.438	0.500	0.625	0.625	0.750	0.875
Projections	G-Diameter	0.105	0.115	0.130	0.130	0.165	0.185
		0.095	0.105	0.120	0.120	0.155	0.175
	H-Height	0.020	0.023	0.025	0.025	0.027	0.033
		0.014	0.017	0.019	0.019	0.021	0.027
Length (Overall) - L	Min. Thread Length (T)	#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18
7/8	3/8	PDZ 1114					
1	3/8		PDZ 1416				
1-1/4	5/8		PDZ 1420				
1-1/4	3/8					PDZ 2120	
1-1/2	3/4			PDZ 1524	PDZ 1624		
1-1/2	5/8					PDZ 2124	
1-1/2	7/16						PDZ 2724
1-3/4	7/8					PDZ 2128	
1-3/4	11/16						PDZ 2728
2	1-1/8					PDZ 2132	
2-1/4	1-3/8					PDZ 2136	

Cold formed for great strength and accuracy, the stainless steel PDZ weld screw has an offset spade with two weld projections. This feature enables the PDZ to be used where a threaded fastener is required on the edge of a sheet or on the side of a component part.



The PDZ weld screw is particularly useful for mounting covers or lids and, in addition, can be conveniently welded on tubing or to curved surfaces. Stainless steel PDZ weld screws not only make assembly of components easier, but they contribute to better product performance by providing a strong, durable fastening method.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2A
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

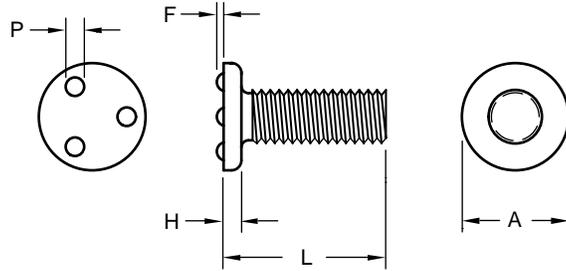
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Weld Screw
Three
Projections
On Top Of
Head**

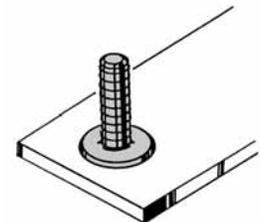


**Product
Specification
Sheet**

Thread Size		#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18	3/8-16
Head	A-Diameter	0.260 0.240	0.323 0.303	0.385 0.365	0.385 0.365	0.510 0.485	0.630 0.605	0.755 0.725
	H-Height	0.046 0.036	0.052 0.042	0.068 0.058	0.068 0.058	0.083 0.073	0.099 0.089	0.114 0.104
Projections	P-Diameter	0.055 0.045	0.075 0.065	0.085 0.075	0.085 0.075	0.105 0.095	0.125 0.115	0.135 0.125
	F-Height	0.022 0.018	0.027 0.023	0.032 0.028	0.032 0.028	0.042 0.038	0.047 0.043	0.052 0.048
Length L (Overall) Tolerance	1/4	GW 1104	GW 1404					
	5/16	GW 1105	GW 1405					
To 1" +.00 -.03	3/8	GW 1106	GW 1406	GW 1506	GW 1606	GW 2106		
	1/2	GW 1108	GW 1408	GW 1508	GW 1608	GW 2108		
Over 1" to 2" +.00 -.06	5/8	GW 1110	GW 1410	GW 1510	GW 1610	GW 2110	GW 2710	GW 3310
	3/4	GW 1112	GW 1412	GW 1512	GW 1612	GW 2112	GW 2712	GW 3312
Over 2" +.00 -.09	7/8	GW 1114	GW 1414			GW 2114		
	1		GW 1416	GW 1516	GW 1616	GW 2116	GW 2716	GW 3316
	1-1/4		GW 1420	GW 1520		GW 2120	GW 2720	
	1-1/2			GW 1524		GW 2124	GW 2724	GW 3324
	1-3/4				GW 1628	GW 2128	GW 2728	GW 3328
	2					GW 2132		GW 3332
	2-1/4							GW 3336



An OHIO GW weld screw has three projections on top of the head for welding to the sheet surface, not through it. From a design standpoint, the GW screw will eliminate the necessity for holes, thus is ideal for those applications where product appearance or potential leakage is a prime consideration. There are no screw heads to protrude or spoil appearance or the product. With GW screws, the exterior surface is left virtually unmarred. The GW weld screw is an excellent choice for blind locations too, because it can be permanently pre-attached.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:Unified Standard Class 2A
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

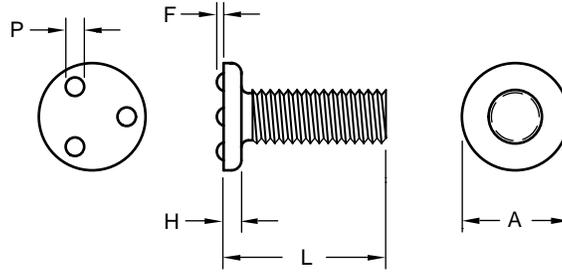
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric Weld
Screw Three
Projections
On Top Of
Head**

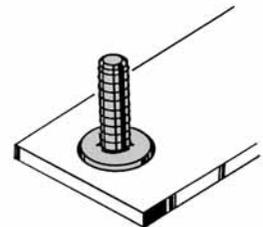


**Product
Specification
Sheet**

Thread Size		M3.5 x 0.6-6g	M4 x 0.7-6g	M5 x 0.8-6g	M6 x 1-6g	M8 x 1.25-6g	M10 x 1.5-6g
Head	A-Diameter	7.0 ± 0.25	8.0 ± 0.25	10.0 ± 0.25	12.0 ± 0.30	16.0 ± 0.30	20.0 ± 0.40
	H-Height	1.1 ± 0.13	1.2 ± 0.13	1.6 ± 0.13	1.9 ± 0.13	2.5 ± 0.13	3.1 ± 0.13
Projections	P-Diameter	1.40 ± 0.13	1.78 ± 0.13	2.13 ± 0.13	2.54 ± 0.13	3.10 ± 0.13	3.56 ± 0.13
	F-Height	0.53 ± 0.05	0.64 ± 0.05	0.81 ± 0.05	1.02 ± 0.05	1.20 ± 0.05	1.40 ± 0.05
Length (Overall) L	6.0	GWM 03506	GWM 04006				
	8.0	GWM 03508	GWM 04008				
Tolerance Up to 25mm + 0.0 - 0.8	10.0	GWM 03510	GWM 04010	GWM 05010	GWM 06010		
	12.0	GWM 03512	GWM 04012	GWM 05012	GWM 06012		
Over 25mm to 50mm + 0.0 - 1.6	14.0	GWM 03514	GWM 04014	GWM 05014	GWM 06014		
	16.0	GWM 03516	GWM 04016	GWM 05016	GWM 06016	GWM 08016	
Over 50mm + 0.0 - 2.3	20.0	GWM 03520	GWM 04020	GWM 05020	GWM 06020	GWM 08020	GWM 10020
	25.0	GWM 03525	GWM 04025	GWM 05025	GWM 06025	GWM 08025	GWM 10025
	30.0		GWM 04030	GWM 05030	GWM 06030	GWM 08030	
	35.0			GWM 05035	GWM 06035	GWM 08035	GWM 10035
	40.0			GWM 05040	GWM 06040		
	45.0			GWM 05045		GWM 08045	GWM 10045
	55.0						GWM 10055



An OHIO GWM weld screw has three projections on top of the head for welding to the sheet surface, not through it. From a design standpoint, the GWM screw will eliminate the necessity for holes, thus is ideal for those applications where product appearance or potential leakage is a prime consideration. There are no screw heads to protrude or spoil appearance or the product. With GWM screws, the exterior surface is left virtually unmarred. The GWM weld screw is an excellent choice for blind locations too, because it can be permanently pre-attached.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

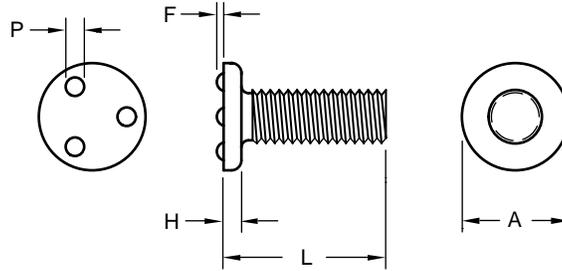
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Weld Screw Three Projections On Top Of Head

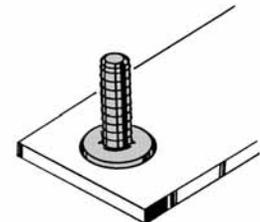


Product Specification Sheet

Thread Size		#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18	3/8-16
Head	A-Diameter	0.260 0.240	0.323 0.303	0.385 0.365	0.385 0.365	0.510 0.485	0.630 0.605	0.755 0.725
	H-Height	0.046 0.036	0.052 0.042	0.068 0.058	0.068 0.058	0.083 0.073	0.099 0.089	0.114 0.104
Projections	P-Diameter	0.055 0.045	0.075 0.065	0.085 0.075	0.085 0.075	0.105 0.095	0.125 0.115	0.135 0.125
	F-Height	0.022 0.018	0.027 0.023	0.032 0.028	0.032 0.028	0.042 0.038	0.047 0.043	0.052 0.048
Length L (Overall) Tolerance To 1" +0.0 -0.03 1" to 2" (Inclusive) +0.0 -0.06 Over 2" +0.0 -0.09	1/4	GWZ 1104	GWZ 1404					
	5/16	GWZ 1105	GWZ 1405					
	3/8	GWZ 1106	GWZ 1406	GWZ 1506	GWZ 1606	GWZ 2106		
	1/2	GWZ 1108	GWZ 1408	GWZ 1508	GWZ 1608	GWZ 2108		
	5/8	GWZ 1110	GWZ 1410	GWZ 1510	GWZ 1610	GWZ 2110	GWZ 2710	GWZ 3310
	3/4	GWZ 1112	GWZ 1412	GWZ 1512	GWZ 1612	GWZ 2112	GWZ 2712	GWZ 3312
	7/8	GWZ 1114	GWZ 1414			GWZ 2114		
	1	GWZ 1116	GWZ 1416	GWZ 1516	GWZ 1616	GWZ 2116	GWZ 2716	GWZ 3316
	1-1/4		GWZ 1420	GWZ 1520		GWZ 2120	GWZ 2720	
	1-1/2			GWZ 1524	GWZ 1624	GWZ 2124	GWZ 2724	GWZ 3324
	1-3/4				GWZ 1628		GWZ 2728	GWZ 3328
	2				GWZ 1632	GWZ 2132		GWZ 3332
2-1/4							GWZ 3336	



An OHIO GWZ stainless steel weld screw has three projections on top of the head for welding to the sheet surface, not through it. From a design standpoint, the GWZ screw will eliminate the necessity for holes, thus is ideal for those applications where product appearance or potential leakage is a prime consideration. There are no screw heads to protrude or spoil appearance or the product. With GWZ screws, the exterior surface is left virtually unmarred. The GWZ weld screw is an excellent choice for blind locations too, because it can be permanently pre-attached.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2A
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

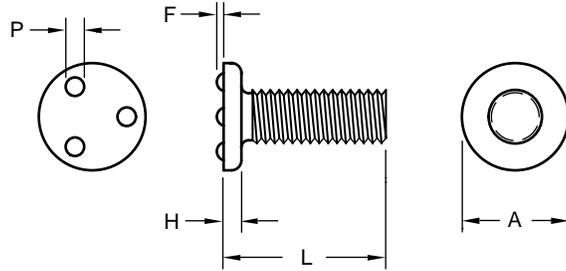
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Stainless
Steel Weld
Screw Three
Projections On
Top Of Head**

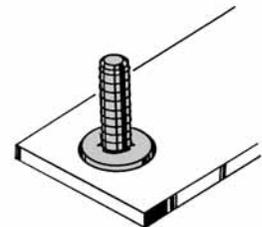


**Product
Specification
Sheet**

Thread Size		M4 x 0.7-6g	M5 x 0.8-6g	M6 x 1-6g	M8 x 1.25-6g	M10 x 1.5-6g
Head	A-Diameter	8.0 ± 0.25	10.0 ± 0.25	12.0 ± 0.30	16.0 ± 0.30	20.0 ± 0.40
	H-Height	1.2 ± 0.13	1.6 ± 0.13	1.9 ± 0.13	2.5 ± 0.13	3.1 ± 0.13
Projections	P-Diameter	1.78 ± 0.13	2.13 ± 0.13	2.54 ± 0.13	3.10 ± 0.13	3.56 ± 0.13
	F-Height	0.64 ± 0.05	0.81 ± 0.05	1.02 ± 0.05	1.20 ± 0.05	1.40 ± 0.05
Length (Overall) L Tolerance: Up to 25mm + 0.0 - 0.8 Over 25mm to 35mm + 0.0 - 1.6	10.0	GWZ 04010	GWZ 05010	GWZ 06010		
	12.0	GWZ 04012	GWZ 05012	GWZ 06012		
	16.0	GWZ 04016	GWZ 05016	GWZ 06016	GWZ 08016	
	20.0	GWZ 04020	GWZ 05020	GWZ 06020	GWZ 08020	GWZ 10020
	25.0	GWZ 04025	GWZ 05025	GWZ 06025	GWZ 08025	GWZ 10025
	30.0		GWZ 05030	GWZ 06030	GWZ 08030	
35.0				GWZ 08035		



An OHIO GWZ metric stainless steel weld screw has three projections on top of the head for welding to the sheet surface, not through it. From a design standpoint, the GWZ screw will eliminate the necessity for holes, thus is ideal for those applications where product appearance or potential leakage is a prime consideration. There are no screw heads to protrude or spoil appearance or the product. With GWZ screws, the exterior surface is left virtually unmarred. The GWZ weld screw is an excellent choice for blind locations too, because it can be permanently pre-attached.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: ASME B1.13M-2005

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

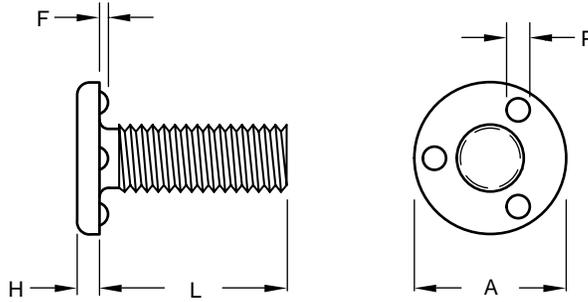
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Through Hole Three Projection Weld Screw



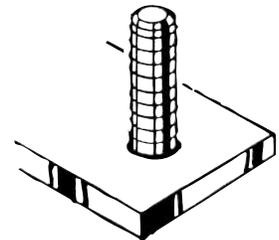
Product Specification Sheet

Thread Size		#6-32	#8-32	#10-24	#10-32	1/4-20	1/4-28	5/16-18	5/16-24	3/8-16	3/8-24	1/2-13
Head	A-Dia.	0.323 0.303	0.385 0.365	0.448 0.428	0.448 0.428	0.575 0.550	0.575 0.550	0.755 0.725	0.755 0.725	0.880 0.850	0.880 0.850	1.005 0.975
	H-Ht.	0.052 0.042	0.068 0.058	0.068 0.058	0.068 0.058	0.083 0.073	0.083 0.073	0.099 0.089	0.099 0.089	0.114 0.104	0.114 0.104	0.146 0.136
Projections	P-Dia.	0.055 0.045	0.075 0.065	0.085 0.075	0.085 0.075	0.105 0.095	0.105 0.095	0.125 0.115	0.125 0.115	0.135 0.125	0.135 0.125	0.155 0.145
	F-Ht.	0.022 0.018	0.027 0.023	0.032 0.028	0.032 0.028	0.042 0.038	0.042 0.038	0.047 0.043	0.047 0.043	0.052 0.048	0.052 0.048	0.062 0.058
Length L (Under Head)	1/4	HW 1104	HW 1404									
	5/16	HW 1105	HW 1405									
Tolerance	3/8	HW 1106	HW 1406	HW 1506	HW 1606	HW 2106						
	1/2	HW 1108	HW 1408	HW 1508	HW 1608	HW 2108	HW 2208	HW 2708				
To 1"	9/16				HW 1609							
	5/8	HW 1110	HW 1410	HW 1510	HW 1610	HW 2110	HW 2210	HW 2710	HW 2810			
+0.00 -0.03	3/4	HW 1112	HW 1412	HW 1512	HW 1612	HW 2112		HW 2712	HW 2812	HW 3312		
	7/8	HW 1114			HW 1614	HW 2114		HW 2714		HW 3314		
Over 1" to 2"	+0.00 -0.06	1	HW 1416	HW 1516	HW 1616	HW 2116		HW 2716	HW 2816	HW 3316	HW 3416	HW 4416
	1-1/4		HW 1420	HW 1520	HW 1620	HW 2120		HW 2720		HW 3320		HW 4420
Over 2"	+0.00 -0.09	1-1/2	HW 1424		HW 1624	HW 2124		HW 2724		HW 3324		HW 4424
	1-3/4					HW 2128				HW 3328		HW 4428
		2				HW 2132		HW 2732		HW 3332		
		2-1/4				HW 2136						
		3				HW 2148						

Optional dog point available upon request on select sizes



Intended for through-hole applications, the HW weld screw, with its three projections located precisely under the head, permits flush mounting. The projections are of the exact height, diameter and mass to assure the proper positioning and balance for optimum welds. Through-hole use allows self-locating and eliminates the need for fixturing.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: Unified Standard Class 2A
ASME B1.1-2003

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

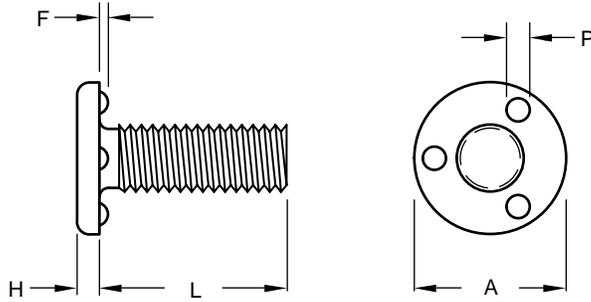
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Through Hole Three Projection Weld Screw

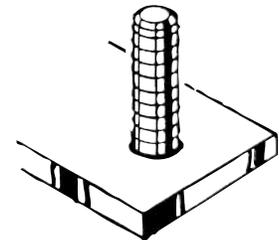


Product Specification Sheet

Thread Size		M3.5 x 0.6-6g	M4 x 0.7-6g	M5 x 0.8-6g	M6 x 1.0-6g	M8 x 1.25-6g	M10 x 1.5-6g	M12 x 1.75-6g
Thread Pitch		0.6	0.7	0.8	1	1.25	1.5	1.75
Head	A-Diameter	8.0	9.3	11.6	14.0	18.8	23.0	25.0
	Tolerance	+ 0.2 - 0.3	+ 0.2 - 0.3	+ 0.2 - 0.3	± 0.3	± 0.4	± 0.4	± 0.4
Projections	H-Height	1.2 ± 0.13	1.3 ± 0.13	1.6 ± 0.13	1.9 ± 0.13	2.5 ± 0.13	3.1 ± 0.13	3.6 ± 0.13
	P-Diameter	1.40 ± 0.13	1.78 ± 0.13	2.13 ± 0.13	2.54 ± 0.13	3.10 ± 0.13	3.56 ± 0.13	3.81 ± 0.13
Length (Overall) L	F-Height	0.53 ± 0.05	0.64 ± 0.05	0.81 ± 0.05	1.02 ± 0.05	1.20 ± 0.05	1.40 ± 0.05	1.52 ± 0.05
	Tolerance	6.0	HWM 03506	HWM 04006				
Up to 25mm		8.0	HWM 03508	HWM 04008				
		10.0	HWM 03510	HWM 04010	HWM 05010	HWM 06010		
+ 0.0 - 0.8		12.0	HWM 03512	HWM 04012	HWM 05012	HWM 06012		
		14.0	HWM 03514	HWM 04014	HWM 05014	HWM 06014	HWM 08014	
Over 25mm to 50mm		16.0	HWM 03516	HWM 04016	HWM 05016	HWM 06016	HWM 08016	
		20.0	HWM 03520	HWM 04020	HWM 05020	HWM 06020	HWM 08020	HWM 10020
+ 0.0 - 1.6		25.0	HWM 03525	HWM 04025	HWM 05025	HWM 06025	HWM 08025	HWM 10025
		30.0		HWM 04030	HWM 05030	HWM 06030	HWM 08030	HWM 10030
Over 50mm		35.0		HWM 04035	HWM 05035	HWM 06035	HWM 08035	HWM 10035
		40.0				HWM 06040	HWM 08040	HWM 10040
+ 0.0 - 2.3		45.0				HWM 06045		HWM 10045
		50.0					HWM 08050	
		75.0						
					HWM 06075			



Intended for through-hole applications, the HWM weld screw, with its three projections located precisely under the head, permits flush mounting. The projections are of the exact height, diameter and mass to assure the proper positioning and balance for optimum welds. Through-hole use allows self-locating and eliminates the need for fixturing.



Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified
 Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
 Yield Point:30,000 psi
 Shear Strength:30,000 psi
 Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

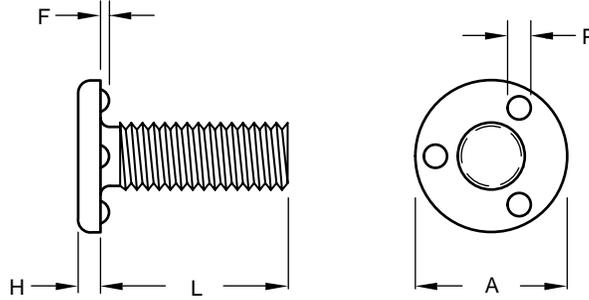
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Through Hole Three Projection Weld Screw

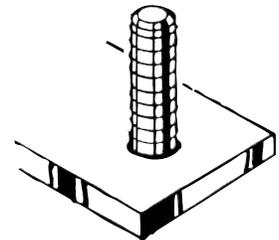


Product Specification Sheet

Thread Size		#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18	5/16-24	3/8-16	1/2-13
Head	A-Diameter	0.323 0.303	0.385 0.365	0.448 0.428	0.448 0.428	0.575 0.550	0.755 0.725	0.755 0.725	0.880 0.850	1.005 0.975
	H-Height	0.052 0.042	0.068 0.058	0.068 0.058	0.068 0.058	0.083 0.073	0.099 0.089	0.099 0.089	0.114 0.104	0.146 0.136
Projections	P-Diameter	0.055 0.045	0.075 0.065	0.085 0.075	0.085 0.075	0.105 0.095	0.125 0.115	0.125 0.115	0.135 0.125	0.155 0.145
	F-Height	0.022 0.018	0.027 0.023	0.032 0.028	0.032 0.028	0.042 0.038	0.047 0.043	0.047 0.043	0.052 0.048	0.062 0.058
Length L (Under Head) Tolerance To 1" +.00 -.03 1" to 2" (Inclusive) +.00 -.06 Over 2" +.00 -.09	1/4	HWZ 1104	HWZ 1404							
	5/16	HWZ 1105	HWZ 1405							
	3/8	HWZ 1106	HWZ 1406	HWZ 1506	HWZ 1606	HWZ 2106				
	1/2	HWZ 1108	HWZ 1408	HWZ 1508	HWZ 1608	HWZ 2108	HWZ 2708			
	5/8	HWZ 1110	HWZ 1410	HWZ 1510	HWZ 1610	HWZ 2110	HWZ 2710	HWZ 2810		
	3/4	HWZ 1112	HWZ 1412	HWZ 1512	HWZ 1612	HWZ 2112	HWZ 2712	HWZ 2812	HWZ 3312	
	7/8	HWZ 1114			HWZ 1614	HWZ 2114	HWZ 2714		HWZ 3314	
	1		HWZ 1416	HWZ 1516	HWZ 1616	HWZ 2116	HWZ 2716	HWZ 2816	HWZ 3316	HWZ 4416
	1-1/4		HWZ 1420	HWZ 1520	HWZ 1620	HWZ 2120	HWZ 2720		HWZ 3320	HWZ 4420
	1-1/2		HWZ 1424		HWZ 1624	HWZ 2124	HWZ 2724		HWZ 3324	HWZ 4424
	1-3/4					HWZ 2128			HWZ 3328	HWZ 4428
	2					HWZ 2132	HWZ 2732		HWZ 3332	
	2-1/4					HWZ 2136				
	3					HWZ 2148				



Intended for through-hole applications, the stainless steel HWZ weld screw, with its three projections located precisely under the head, permits flush mounting. The projections are of the exact height, diameter and mass to assure the proper positioning and balance for optimum welds. Through-hole use allows self-locating and eliminates the need for fixturing.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2A
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

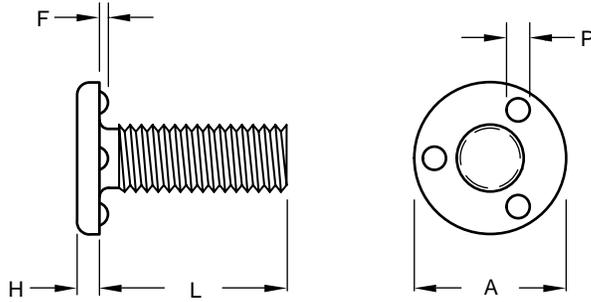
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric
Stainless
Steel
Through Hole
3 Projection
Weld Screw**

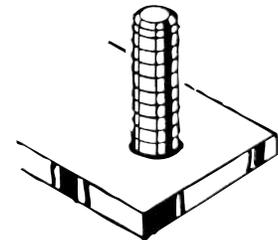


**Product
Specification
Sheet**

Thread Size		M4 x 0.7-6g	M5 x 0.8-6g	M6 x 1.0-6g	M8 x 1.25-6g	M10 x 1.5-6g
Thread Pitch		0.7	0.8	1	1.25	1.5
Head	A-Diameter Tolerance	9.3 + 0.2 - 0.3	11.6 + 0.2 - 0.3	14.0 ± 0.3	18.8 ± 0.4	23.0 ± 0.4
	H-Height	1.3 ± 0.13	1.6 ± 0.13	1.9 ± 0.13	2.5 ± 0.13	3.1 ± 0.13
Projections	P-Diameter	1.78 ± 0.13	2.13 ± 0.13	2.54 ± 0.13	3.10 ± 0.13	3.56 ± 0.13
	F-Height	0.64 ± 0.05	0.81 ± 0.05	1.02 ± 0.05	1.20 ± 0.05	1.40 ± 0.05
Length (Overall) L Tolerance: Up to 25mm + 0.0 - 0.8 Over 25mm to 35mm + 0.0 - 1.6	8.0	HWZ 04008				
	10.0	HWZ 04010	HWZ 05010	HWZ 06010		
	12.0	HWZ 04012	HWZ 05012	HWZ 06012		
	16.0	HWZ 04016	HWZ 05016	HWZ 06016	HWZ 08016	
	20.0	HWZ 04020	HWZ 05020	HWZ 06020	HWZ 08020	HWZ 10020
	25.0	HWZ 04025	HWZ 05025	HWZ 06025	HWZ 08025	HWZ 10025
	30.0		HWZ 05030	HWZ 06030	HWZ 08030	HWZ 10030
35.0		HWZ 05035	HWZ 06035	HWZ 08035	HWZ 10035	



Intended for through-hole applications, the HWZ metric stainless steel weld screw, with its three projections located precisely under the head, permits flush mounting. The projections are of the exact height, diameter and mass to assure the proper positioning and balance for optimum welds. Through-hole use allows self-locating and eliminates the need for fixturing.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: ASME B1.13M-2005

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

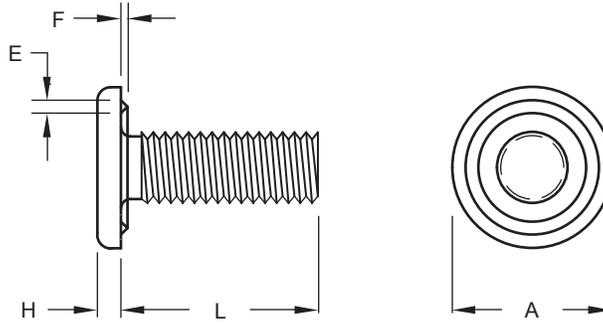
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved

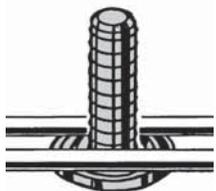


**Weld Screw
With Ring
Projection
Under Head**



**Product
Specification
Sheet**

Thread Size		#6-32	#8-32	#10-32	1/4-20	5/16-18	3/8-16
Head	A-Diameter	0.323 0.303	0.385 0.365	0.448 0.428	0.575 0.550	0.755 0.725	0.880 0.850
	H-Height	0.052 0.042	0.068 0.058	0.068 0.058	0.083 0.073	0.099 0.089	0.114 0.104
Projections	E-Width (Ref.)	0.025	0.031	0.035	0.048	0.060	0.068
	F-Height	0.015 0.010	0.018 0.013	0.020 0.015	0.027 0.021	0.033 0.027	0.037 0.031
Length L (From Under The Head)	3/8	RW 1106	RW 1406				
	1/2		RW 1408	RW 1608	RW 2108		
Tolerance +.00 -.03	5/8				RW 2110	RW 2710	
	3/4				RW 2112	RW 2712	RW 3312
Over 1" to 2" (Inclusive) +.00 -.06	7/8				RW 2114		
	1		RW 1416		RW 2116	RW 2716	RW 3316
	1-1/4			RW 1620	RW 2120	RW 2720	RW 3320
	2					RW 2732	
Material: C1010 High-Welding Quality, Low Carbon Steel				Tensile Strength: 60,000 psi			
Finish: Plain, Unless Specified				Yield Point: 30,000 psi			
Threads: Unified Standard Class 2A ASME B1.1-2003				Shear Strength: 30,000 psi			
				Elongation 2": 30% Max.			



Thread Size		5/16-18	3/8-16
Head	A-Diameter	0.755 0.725	0.880 0.850
	H-Height	0.099 0.089	0.114 0.104
Projections	E-Width (Ref.)	0.060	0.068
	F-Height	0.033 0.027	0.037 0.031
Length L (From Under The Head)	5/8	RWH 2710	RWH 3310
	3/4	RWH 2712	RWH 3312
Tolerance +.00 -.03	7/8	RWH 2714	RWH 3314
	1	RWH 2716	RWH 3316
Over 1" to 2" (Inclusive) +.00 -.06	1-1/4	RWH 2720	RWH 3320
	1-1/2	RWH 2724	RWH 3324
Material: C1022 HT RC 27-34			
Finish: Plain, Unless Specified			
Threads: Unified Standard Class 2A ASME B1.1-2003			

**RW/RWH
Inch Thread**

The RW (C 1010 steel) and RWH (C 1022 steel RC 27-34) Inch weld screws, for through-hole applications, feature a 360° ring projection that provides a circular weld seal. The large weld area on these screws provides additional weld strength. The full ring projection is also ideal for cross wire welding or welding to screen or perforated metal or tubing. Ring projections are often used in air conditioning and refrigeration applications where a leak proof seal is needed. The RWH series allows for greater installation torque in heavy duty applications.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

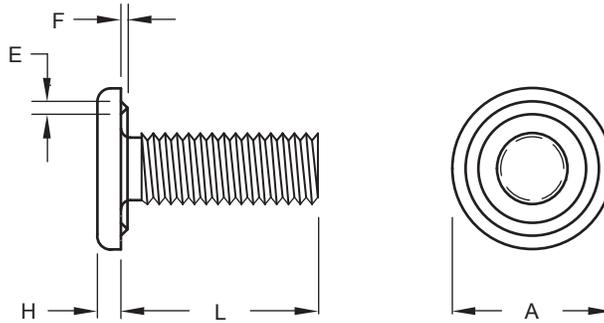
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved

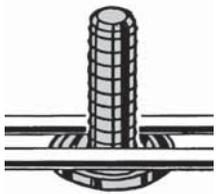


Metric Weld Screw With Ring Projection Under Head



Product Specification Sheet

Thread Size		M3.5 x 0.6-6g	M4 x 0.7-6g	M5 x 0.8-6g	M6 x 1-6g	M8 x 1.25-6g	M10 x 1.5-6g
Head	A-Diameter	8.0 + 0.2 - 0.3	9.3	11.6 + 0.2 - 0.3	14.0 ± 0.3	18.8 ± 0.4	23.0 ± 0.4
	H-Height	1.2 ± 0.13	1.3 ± 0.13	1.6 ± 0.13	1.9 ± 0.13	2.5 ± 0.13	3.1 ± 0.13
Projections	E-Width (Ref.)	0.64	0.79	0.89	1.22	1.53	1.73
	F-Height	0.30 + 0.08 - 0.05	0.38 + 0.08 - 0.05	0.43 + 0.08 - 0.05	0.61 + 0.08 - 0.05	0.76 + 0.08 - 0.05	0.86 + 0.08 - 0.05
Length L Tol. Up to 25mm + 0.0 - 0.8 Tol. Over 25mm to 50mm + 0.0 - 1.6	10.0	RWM 03510	RWM 04010				
	14.0		RWM 04014	RWM 05014	RWM 06014		
	16.0				RWM 06016	RWM 08016	
	20.0			RWM 05020	RWM 06020	RWM 08020	RWM 10020
	25.0		RWM 04025		RWM 06025	RWM 08025	RWM 10025
	35.0				RWM 06035	RWM 08035	RWM 10035
50.0					RWM 08050		
Material: C1010 High-Welding Quality, Low Carbon Steel				Tensile Strength: 60,000 psi			
Finish: Plain, Unless Specified				Yield Point: 30,000 psi			
Threads: Unified Standard Class 2A ASME B1.1-2003				Shear Strength: 30,000 psi			
ASME B1.1-2003				Elongation 2": 30% Max.			



Thread Size		M8 x 1.25-6g	M10 x 1.5-6g
Head	A-Diameter	18.8 ± 0.4	23.0 ± 0.4
	H-Height	2.5 ± 0.13	3.1 ± 0.13
Projections	E-Width (Ref.)	1.53	1.73
	F-Height	0.76 + 0.08 - 0.05	0.86 + 0.08 - 0.05
Length L Tol. Up to 25mm + 0.0 - 0.8 Tol. Over 25mm to 50mm + 0.0 - 1.6	16.0	RWH 08016	
	20.0	RWH 08020	RWH 10020
	25.0	RWH 08025	RWH 10025
	30.0	RWH 08030	RWH 10030
	35.0	RWH 08035	RWH 10035
40.0	RWH 08040	RWH 10040	
Material: C1022 HT RC 27-34			
Finish: Plain, Unless Specified			
Threads: Unified Standard Class 2A ASME B1.1-2003			

RWM/RWH Metric Weld Screw

The RWM (C 1010 steel) and RWH (C 1022 steel RC 27-34) Inch weld screws, for through-hole applications, feature a 360° ring projection that provides a circular weld seal. The large weld area on these screws provides additional weld strength. The full ring projection is also ideal for cross wire welding or welding to screen, perforated metal or tubing.. Ring projections are often used in air conditioning and refrigeration applications where a leak proof seal is needed. The RWH series allows for greater installation torque in heavy duty applications.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

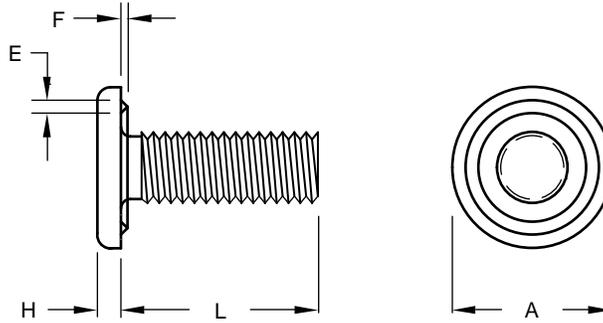
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Weld Screw With Ring Projection Under Head

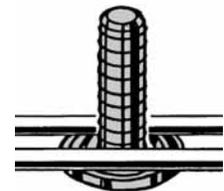


Product Specification Sheet

Thread Size		#6-32	#8-32	#10-32	1/4-20	5/16-18	3/8-16
Head	A-Diameter	0.323 0.303	0.385 0.365	0.448 0.428	0.575 0.550	0.755 0.725	0.880 0.850
	H-Height	0.052 0.042	0.068 0.058	0.068 0.058	0.083 0.073	0.099 0.089	0.114 0.104
Projections	E-Width (Ref.)	0.025	0.031	0.035	0.048	0.060	0.068
	F-Height	0.015 0.010	0.018 0.013	0.020 0.015	0.027 0.021	0.033 0.027	0.037 0.031
Length (From Under The Head)	3/8	RWZ 1106	RWZ 1406				
	1/2		RWZ 1408	RWZ 1608	RWZ 2108		
	5/8			RWZ 1610	RWZ 2110	RWZ 2710	
	3/4				RWZ 2112	RWZ 2712	RWZ 3312
Tolerance +.00 -.03	7/8				RWZ 2114		
	Over 1" to 2" (Inclusive)	1	RWZ 1416		RWZ 2116	RWZ 2716	RWZ 3316
+.00 -.06	1-1/4			RWZ 1620	RWZ 2120	RWZ 2720	RWZ 3320
	2					RWZ 2732	



The stainless steel RWZ weld screw, for through-hole applications, features a 360° ring projection that provides a completely circular weld seal. The large weld area on the RWZ gives great weld strength which can be used in applications requiring additional weld strength. The full ring projection is also ideal for cross wire welding or welding to screen, perforated metal or tubing. The RWZ stainless steel weld screw is found on applications in the air conditioning and refrigeration fields where a leak proof seal is necessary.



Material: 18-8 Stainless Steel
 Finish: Passivated
 Threads: Unified Standard Class 2A
 ASME B1.1-2003

Tensile Strength: 80,000 psi
 Yield Point: 35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

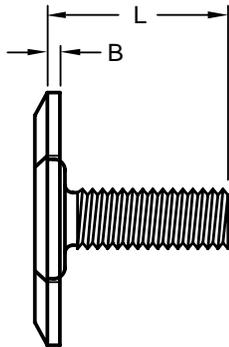
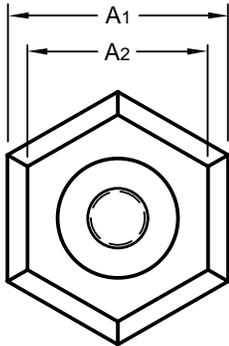
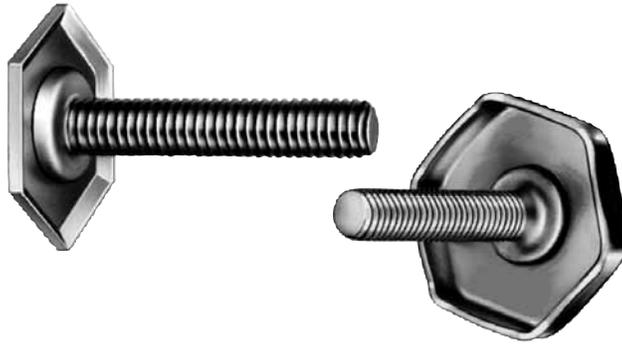
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Hexagon Broad Base Leveler

Product Specification Sheet

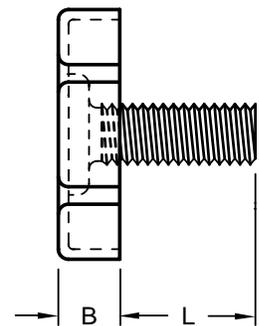
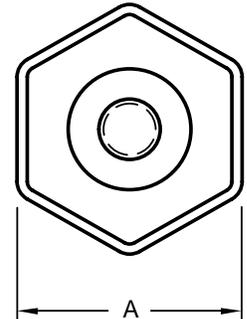


Part Number	Thread Size	Length	Base		
			Width		Thickness
			Across Flats	Bearing Surface	
		L	A1	A2	B
FA 2720	5/16-18	1.250	1.375	1.125	0.078
FA 3332	3/8-16	2.000	1.375	1.125	0.078

The FA is a streamlined leveler with a low silhouette and a broad, smooth base that makes it extremely useful in areas where clearance is limited or where its clean, modern look will enhance product appearance. Full threads allow flush to head adjustment.

Part Number	Thread Size	Exposed Thread Length	Base	
			Width Across Flats	Height
		L	A	B
FT 2124	1/4-20	1.500	1.375	0.312
FT 2724	5/16-18	1.500	1.375	0.312
FT 2740	5/16-18	2.500	1.375	0.312
FT 3324	3/8-16	1.500	1.375	0.312
FT 4424	1/2-13	1.500	1.375	0.312
FT 4448	1/2-13	3.000	1.375	0.312

The sturdy FT leveler provides a broad bearing surface without indentation to minimize marking of the floor. Its hexagonal base makes adjustment easy and it has a strong resistance weld between the screw and base to withstand power driver torque loads. In addition, the FT also makes a durable hand adjustment knob.



Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified
 Threads:Unified Standard Class 2A ASME B1.1-2003

Tensile Strength:60,000 psi
 Yield Point:30,000 psi
 Shear Strength:30,000 psi
 Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

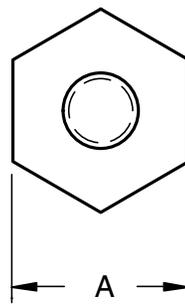
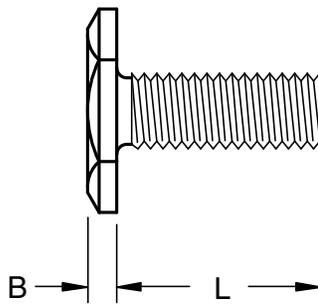
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Adjustable Hex Head Leveler



Product Specification Sheet

Part Number	Thread Size	Thread Length	Base	
			Width Across Flats	Thickness Surface
			A	B
FH 2116	1/4-20	1.000	0.563	0.093
FH 2120	1/4-20	1.250	0.563	0.093
FH 2708	5/16-18	0.500	0.750	0.120
FH 2716	5/16-18	1.000	0.750	0.120
FH 2720	5/16-18	1.250	0.750	0.120
FHS 2723 *	5/16-18	1.500	0.750	0.120
FH 2724	5/16-18	1.500	0.750	0.120
FHP 2725*	5/16-18	1.500	0.750	0.120
FH 3320	3/8-16	1.250	0.875	0.140
FHS 3323 *	3/8-16	1.500	0.875	0.140
FH 3324	3/8-16	1.500	0.875	0.140
FHP 3325*	3/8-16	1.500	0.875	0.140
FHS 3331 *	3/8-16	2.000	0.875	0.140
FHP 3332*	3/8-16	2.000	0.875	0.140
FHS 3339 *	3/8-16	2.500	0.875	0.140
FH 3340	3/8-16	2.500	0.875	0.140
FHP 3341*	3/8-16	2.500	0.875	0.140
FH 4440	1/2-13	2.500	1.063	0.171
FHP 4441*	1/2-13	2.500	1.063	0.171
Length (L) Tolerance	To 1 Inch + .00 -.03	Over 1" to 2" (Inclusive) + .00 -.06	Over 2" + .00 -.09	



** FHP • Sizes available with a hex end for socket adjustments.*



** FHS • Sizes available with a slotted end for screw driver adjustments.*



The FH leveler is strong, economical and one piece construction. Rolled threads extend full length for maximum adjustment. Exposed base prevents dirt buildup and offers the advantage of easy cleaning. Base is beveled to facilitate moving.

** Easily adjusted with standard wrenches, several sizes are available with a slotted end for screw driver adjustments, or Hex ends for socket wrench adjustments*



Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified
 Threads:Unified Standard Class 2A ASME B1.1-2003

Tensile Strength:60,000 psi
 Yield Point:30,000 psi
 Shear Strength:30,000 psi
 Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

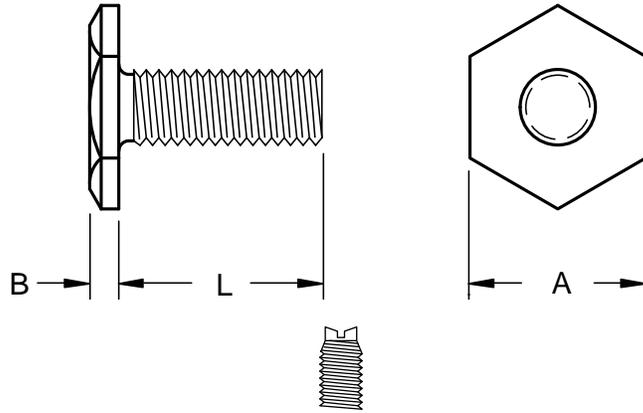
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2008 Buckeye Fasteners, Inc. All Rights Reserved



Metric Adjustable Hex Head Leveler



Product Specification Sheet

** FHS • Sizes available with a slotted end for screw driver adjustments.*

Thread Size / Pitch		M6 x 1-6g	M8 x 1.25-6g	M10 x 1.5-6g	M12 x 1.75-6g
Base Across The Flats	A	14.0	19.0	22.0	25.0
Base Thickness	B	2.6	3.2	3.9	4.6
		2.3	2.9	3.6	4.3
Length (Under Head) L Up To 25mm + 0.0 - 0.8	25.0		FHM 08025		
	30.0	FHM 06030			
Over 25mm To 50mm + 0.0 - 1.6	35.0		FHM 08035	FHM 10035	
	40.0		FHS 08040 *	FHS 10040 *	
Over 50mm +0.0 -2.3	60.0			FHM 10060	
	65.0			FHS 10065 *	FHM 12065



The metric FHM leveler is strong, economical and one piece construction. Rolled threads extend full length for maximum adjustment. Exposed base prevents dirt buildup and offers the advantage of easy cleaning. The base is beveled to facilitate moving.

** Easily adjusted with standard wrenches, several sizes are available with a slotted end for screw driver adjustments.*



Material: C1010 High-Welding Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads: ASME B1.13M-2005

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

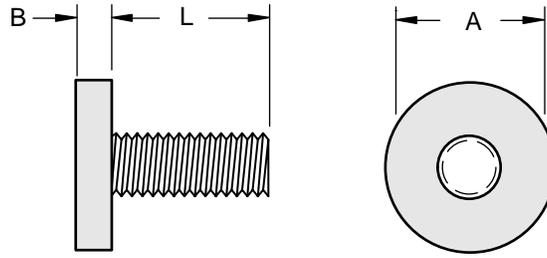
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Adjustable
Leveler With
Protective
Base**

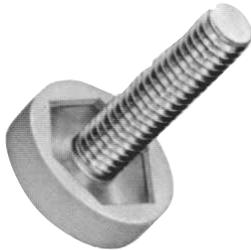


**Product
Specification
Sheet**



** FC • Sizes available with a slotted end for screw driver adjustments.*

Part Number	Thread Size	Thread Length	Base	
			Base Diameter	Thickness Surface
			L	B
FC 2116	1/4-20	1 000	0 812	0.312
FC 2120	1/4-20	1.250	0.812	0.312
FC 2708	5/16-18	0.500	1 000	0.312
FC 2716	5/16-18	1 000	1.000	0.312
FC 2720	5/16-18	1.250	1.000	0.312
FC 2723 *	5/16-18	1.500	1.000	0.312
FC 2724	5/16-18	1 500	1.000	0.312
FC 3320	3/8-16	1.250	1 125	0.312
FC 3323 *	3/8-16	1.500	1.125	0.312
FC 3324	3/8-16	1 500	1.125	0.312
FC 3331 *	3/8-16	2.000	1.125	0.312
FC 3339 *	3/8-16	2.500	1 125	0.312
FC 3340	3/8-16	2 500	1.125	0.312
FC 4440	1/2-13	2.500	1 375	0.375
Length (L) Tolerance	To 1 Inch + .00 -.03	Over 1" to 2" (Inclusive) + .00 -.06	Over 2" + .00 -.09	



The FC adjustable leveler combines the rugged features of Ohio Nut and Bolt's FH leveler with a sturdy LC leveler cap to produce an economical cushioned leveler that is both durable and attractive. The resilient, non-marking properties of the polyethylene pad make the FC ideal for use on linoleum, vinyl tile and polished floors.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Plain, Unless Specified
Threads:Unified Standard Class 2A
ASME B1.1-2003

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

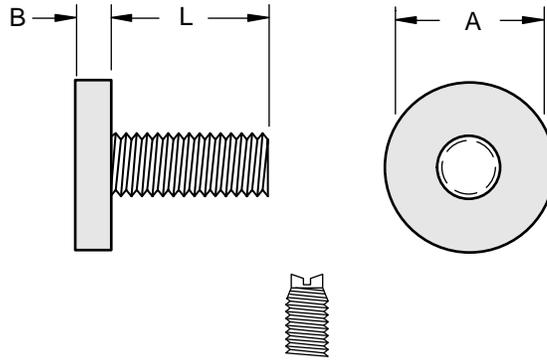
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



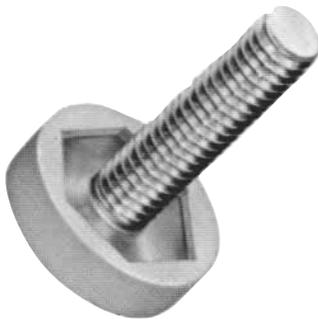
**Adjustable
Metric
Leveler With
Protective
Base**



**Product
Specification
Sheet**

** FC • Sizes available with a slotted end for screw driver adjustments.*

Thread Size / Pitch		M6 x 1-6g	M8 x 1.25-6g	M10 x 1.5-6g
Base Across The Flats	A	14.0	19.0	22.0
Base Diameter	B	2.6	3.2	3.9
		2.3	2.9	3.6
Length (Under Head) L Up To 25mm + 0.0 - 0.8 Over 25mm To 50mm + 0.0 - 1.6 Over 50mm + 0.0 - 2.3	25.0		FCM 08025	
	30.0	FCM 06030		
	35.0		FCM 08035	FCM 10035
	40.0		FCM 08040 *	FCM 10040 *
	60.0			FCM 10060
	65.0			FCM 10065 *



The FCM metric adjustable leveler combines the rugged features of Ohio Nut and Bolt's FHM metric leveler with a sturdy LC leveler cap to produce an economical cushioned leveler that is both durable and attractive. The resilient, non-marking properties of the polyethylene pad make the FCM ideal for use on linoleum, vinyl tile and polished floors.



Material: C1010 High-Welding
Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: ASME B1.13M-2005

Tensile Strength: 60,000 psi
Yield Point: 30,000 psi
Shear Strength: 30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

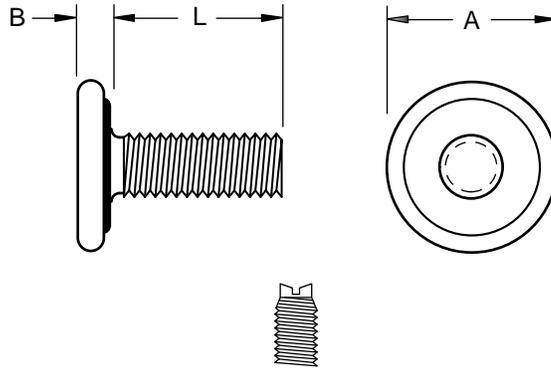
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Adjustable
Leveling
Glide With
Poly Base**



**Product
Specification
Sheet**

** GL • Sizes available with a slotted end for screw driver adjustments.*

Part Number	Thread Size	Thread Length	Base	
			Base Diameter	Base Height
		L	A	B
GL 2708	5/16-18	0.500	1.500	0.437
GL 2716	5/16-18	1.000	1.500	0.437
GL 2720	5/16-18	1.250	1.500	0.437
GL 2723 *	5/16-18	1.500	1.500	0.437
GL 2724	5/16-18	1.500	1.500	0.437
GL 3320	3/8-16	1.250	1.500	0.437
GL 3323 *	3/8-16	1.500	1.500	0.437
GL 3324	3/8-16	1.500	1.500	0.437
GL 3331 *	3/8-16	2.000	1.500	0.437
GL 3339 *	3/8-16	2.500	1.500	0.437
GL 3340	3/8-16	2.500	1.500	0.437
Length (L) Tolerance	Over 1" to 2" (Inclusive) + .00 -.06 — Over 2" + .00 -.09			



Developed for use on carpeted floors, the GL leveling glide is a sleek, attractive unit that will enhance the appearance of your product. The GL is a sturdy Ohio FH leveler encased in a durable polyethylene capsule which is black on top and white on the bottom. The clean, simple lines of the GL leveler harmonize with today's look.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Comm Zinc Plus Clear Chromate
Threads:Unified Standard Class 2A
ASME B1.1-2003

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

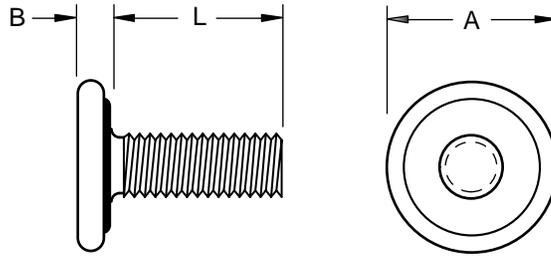
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Adjustable
Metric
Leveling
Glide With
Poly Base**



**Product
Specification
Sheet**



** GLM • Sizes available with a slotted end for screw driver adjustments.*

Thread Size / Pitch		M8 x 1.25-6g	M10 x 1.5-6g
Base Diameter	A	38.0	38.0
Base Height	B	11	11
Length (Under Head) L Tolerance + 0.0 - 3.0	25.0	GLM 08025	
	30.0		
	35.0	GLM 08035	GLM 10035
	40.0	GLM 08040 *	GLM 10040 *
	60.0		GLM 10060
	65.0		GLM 10065 *



Developed for use on carpeted floors, the GL leveling glide is a sleek, attractive unit that will enhance the appearance of your product. The GL is a sturdy Ohio FH leveler encased in a durable polyethylene capsule which is black on top and white on the bottom. The clean, simple lines of the GL leveler harmonize with today's look.



Material:C1010 High-Welding
Quality, Low Carbon Steel
Finish:Comm Zinc Plus Clear Chromate
Threads:ASME B1.13M-2005

Tensile Strength:60,000 psi
Yield Point:30,000 psi
Shear Strength:30,000 psi
Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved

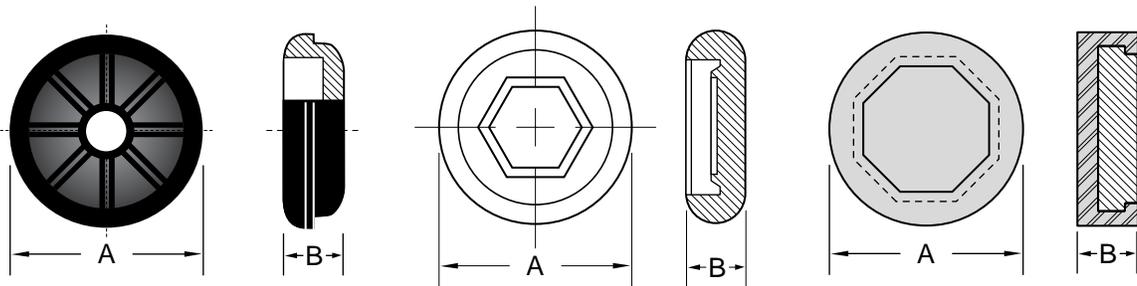


**Accessories
For Ohio
Fh & Fhm
Levelers**



**Product
Specification
Sheet**

Fits FH/FHM Leveler Thread Size	Part Number	A	B	Part Number	A	B	Part Number	A	B
1/4-20 & M6	_____	—	—	_____			LC 0562	0.812	0.312
5/16-18 & M8	CT 0750	1.312	0.312	CB 0750	1.500	0.312	LC 0750	1.000	0.312
3/8-16 & M10	CT 0875	1.312	0.312	CB 0875	1.500	0.312	LC 0875	1.125	0.312
1/2-13	_____			_____			LC 1062	1.375	0.375
Material	Black Polyethylene			White Polyethylene			Gray Polyethylene		



Enjoy the utmost in leveler versatility — use Ohio's FH / FHM leveler and accessories of your preference and you have a leveler suited for any surface. Use it plain, or assemble it with the accessory which will provide the base best suited for the intended application



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

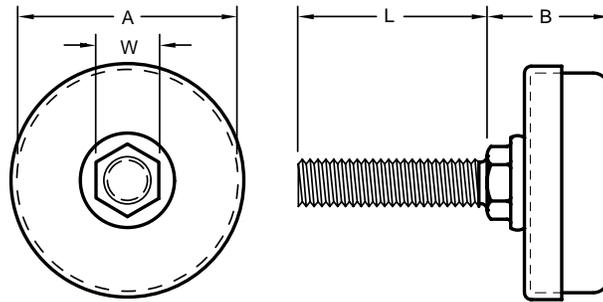
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Adjustable Cushioned Levelers



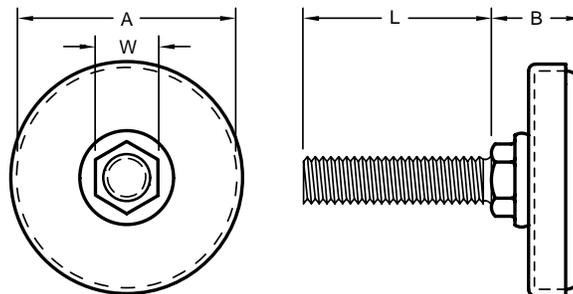
Product Specification Sheet



Part Number	Thread Size	Hex Across Flats	Thread Length	Pad Diameter	Hex To Bearing Surface
		W	L +	A	B
FB 2724 FB 2725 *	5/16-18	0.375	1.500 Tol. +.00 -.06	1.000	0.812
FB 3348 FB 3349 *	3/8-16	0.500	3.000 Tol. +.00 -.09	1.500	0.984
FB 4444 FB 4445 *	1/2-13	0.562	2.000 Tol. +.00 -.06	1.500	1.062
METRIC FBM 08040	M8 x 1.25-6g	9.5mm	40mm	25.4mm	20.6mm

* Black With Black Pad

The FB and metric FBM leveler is a top quality unit that features a thick, vibration dampening, gray neoprene base with a durometer of 65 to 75. The FB style will not mar or streak floors or deface painted or specially finished surfaces. The FB and FBM has a hex shoulder and a turnable screw to ease adjustment under load. This leveler fills a need for a sturdy, high quality unit which provides precision leveling and improved appearance.



Part Number	Thread Size	Hex Across Flats	Thread Length	Pad Diameter	Hex To Bearing Surface
		W	L	A	B
FE 2724 FE 2725 *	5/16-18	0.375	1.500 Tol +.00 -.06	1.000	0.625

* Black With Black Pad

The FE is a rugged, zinc or black plated leveler with a stationary nylon base. It has full thread length for precise, easy adjustment. The hex shoulder fits standard wrenches. Its tough nylon base permits easy sliding in addition to giving eye appeal to the product.

Material:	C1010 High-Welding Quality, Low Carbon Steel	Tensile Strength:	60,000 psi
Base	FB and FBM: Neoprene, FE: Nylon	Yield Point:	30,000 psi
Finish:	Zinc With Clear Chromate	Shear Strength:	30,000 psi
Threads:	Unified Standard Class 2A ASME B1.1-2003	Elongation 2"	30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

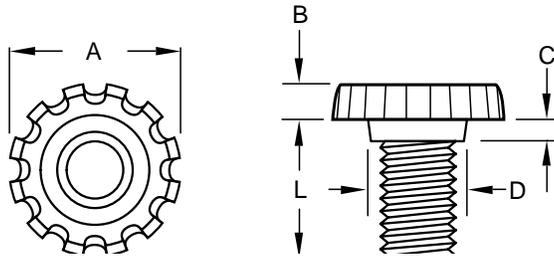
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Zinc Alloy
Thumb
Screw With
Shoulder**

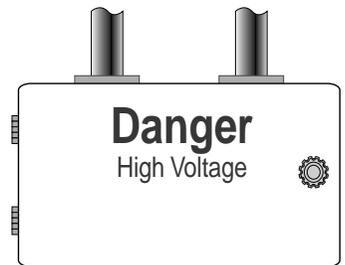


**Product
Specification
Sheet**

Part Number	Thread Size	Head Diameter	Head Height	Collar Height	Collar Diameter	Thread Length L
		A	B	C	D	
BF 364165	#6-32	0.625	0.135	0.078	0.350	0.250
BF 364266	#8-32	0.625	0.135	0.078	0.350	0.375
BF 364367	#10-24	0.625	0.135	0.078	0.350	0.500
BF 364368	#10-32	0.625	0.135	0.078	0.350	0.500
BF 365371	1/4-20	0.750	0.165	0.140	0.487	0.500



The generous proportions of the serrated head assure a firm grip during finger tightening. The collar under the head provides the proper spacing between the head and component for easy access.



Material:.....Zinc Alloy SAE 903
 Finish:.....Plain, Unless Otherwise Specified
 Threads:.....Unified Class 2A ANSI B 1.1-1989

Tolerances:..... ±0.015
 Unless Otherwise Specified



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

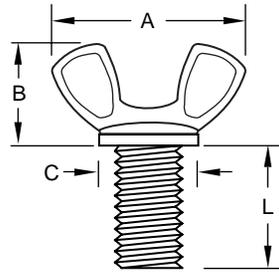
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Die Cast Zinc Alloy Wing Screw



Product Specification Sheet

	Thread Size	#6-32	#8-32	#10-24	#10-32	1/4-20
Wing Span	A	0.843	0.843	0.843	0.843	1.062
Wing Height	B	0.468	0.468	0.468	0.468	0.562
Base Diameter	C	0.437	0.437	0.437	0.437	0.450
Length L	0.250	BF324115				
	0.375		BF 324216	BF 324217	BF 324218	
	0.500	BF 324315	BF 324316	BF 324317	BF 324318	BF 325121
	0.750	BF 324515		BF 324517	BF 324518	BF 325321
	1.000		BF 324616	BF 324617	BF 324618	BF 325421
	1.500					BF 325621



Low cost, corrosion resistant, zinc alloy wing screws are ideal for hand tightened assemblies. The broad wing span, ample washer face and generous selection of sizes and lengths makes using this item a smart choice



Material:.....Zinc Alloy SAE 903
 Finish:.....Plain, Unless Otherwise Specified
 Threads:.....Unified Class 2A ANSI B 1.1-1989

Tolerances: ±0.015
 Unless Otherwise Specified



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

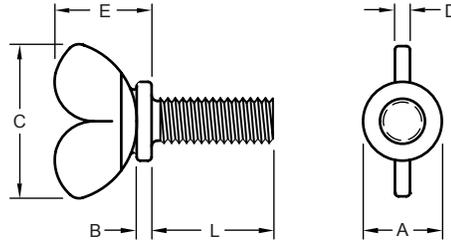
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



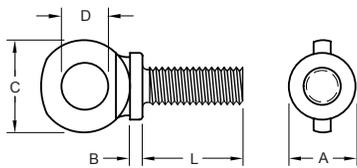
Cold Formed Steel Adjusting Screws

Product Specification Sheet



The ST thumbscrew is a rugged, one piece, cold forged screw with great strength. It has a broad wingspread for easy adjustment, it can even be adjusted with an adjustable wrench. The ST thumbscrew features a round collar for a stop and a full thread length for secure engagement.

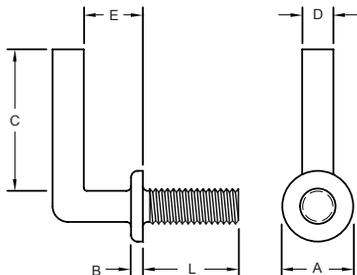
		Thread Size	#10-24	#10-32	1/4-20	5/16-18	3/8-16
Wing Dimensions (Approximate)	C - Spread		0.625	0.625	0.875	1.062	1.250
	D - Thickness		0.062	0.062	0.093	0.109	0.125
	E - Ht. Incl. Collar		0.437	0.437	0.500	0.625	0.750
	A - Diameter		0.406	0.406	0.468	0.593	0.656
	B - Thickness		0.062	0.062	0.078	0.093	0.125
Length - L Under Collar	1/4		ST 1504				
	1/2				ST 2108		
	5/8			ST 1610	ST 2110	ST 2710	ST 3310
	3/4		ST 1512		ST 2112		
	1					ST 2716	ST 3316
	1-1/4					ST 2720	
	1-1/2				ST 2124		



Part Number	Thread Size	Length L	Hole Size D	Collar		Diameter C
				Dia. A	Thickness B	
ES 2112	1/4-20	0.750*	0.250	0.453	0.078	0.469
ESM 06020	6.0	20.0**	6.35	11.4	2.0	11.9

* L Tolerance +.00 -.03 (Inch) ** L Tolerance +.00 -.08 (Metric)

The ES/ESM is a strong, one piece, cold forged adjusting screw with a 1/4" hole for adjustment. It can be used for many applications such as a hanger bolt or a spring attachment point.



Part Number	Thread Size	Length	Length	Length	Collar		Handle Diameter D
		L	C	E	Dia. A	Height B	
SG 1508	#10-24	0.500	0.750	0.375	0.437	0.062	0.163
SG 2112	1/4-20	0.750	0.875	0.437	0.562	0.078	0.218
SG 2714	5/16-18	0.875	1.000	0.468	0.687	0.093	0.277

The SG is a one piece, cold forged adjusting screw with a round collar stop. The SG adjusting screw offers a long handle for greater leverage and adjustment.

Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified
 Threads:Unified Standard Class 2A ASME B1.1-2003

Tensile Strength:60,000 psi
 Yield Point:30,000 psi
 Shear Strength:30,000 psi
 Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

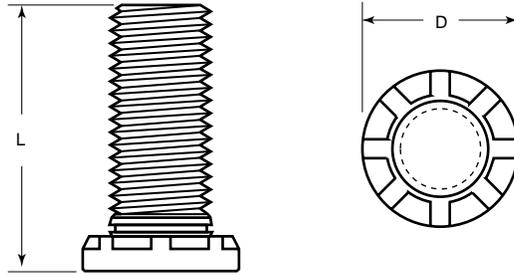
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



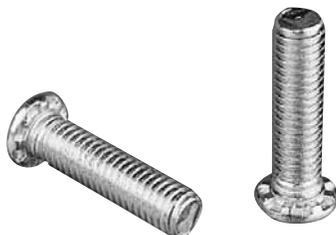
**Self
Clinching
Stud**



**Product
Specification
Sheet**

Thread Size	#2-56	#4-40	#6-32	#8-32	#10-24	#10-32	1/4-20	5/16-18
Head Diameter – D ± 0.015	0.144	0.176	0.206	0.237	0.256	0.250	0.337	0.376
Hole in Sheet +0.003 / -0.000	0.085	0.111	0.137	0.163	0.189	0.189	0.249	0.311
Max. Recommended Torque For Mating Part (IN. LBS.)	2.5	5.0	10.0	15.0	25.0	30.0	55.0	115.0
Length – L	0.250	256-4	440-4	632-4	832-4	1024-4	1032-4	
	0.312	256-5	440-5	632-5	832-5	1024-5	1032-5	
	0.375	256-6	440-6	632-6	832-6	1024-6	1032-6	420-6
	0.500	256-8	440-8	632-8	832-8	1024-8	1032-8	420-8 518-8
	0.625	256-10	440-10	632-10	832-10	1024-10	1032-10	420-10 518-10
	0.750		440-12	632-12	832-12	1024-12	1032-12	420-12 518-12
	0.875		440-14	632-14	832-14	1024-14	1032-14	420-14 518-14
	1.000		440-16	632-16	832-16	1024-16	1032-16	420-16 518-16
	1.250			632-20	832-20	1024-20	1032-20	420-20 518-20
1.500			632-24	832-24	1024-24	1032-24	420-24 518-24	

Note: Part numbers are incomplete. Add the prefix which is applicable to the material you require. Example: BFH 256-4, Carbon steel, heat treated, zinc plated w/clear chromate, Thread size #2-56, length of .250 inches



Material:
 BFH – Carbon Steel, heat treated, zinc plated w/clear chromate
 BFHS – 300 series stainless steel, passivated
 BFHA – 2024-H-13 Aluminum, heat treated
 Threads: Unified Standard Class 2A per ASME B1.1-2003

Minimum Sheet Thickness040
 Maximum recommended panel hardness:
 BFH: Rockwell B80
 BFHS: Rockwell B70
 BFHA: Rockwell B50



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

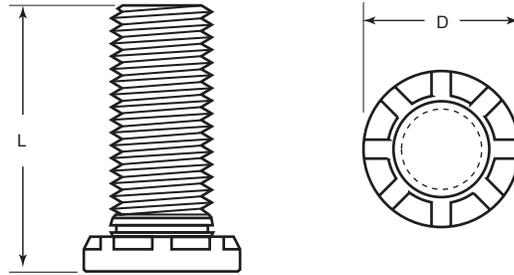
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Metric Self
Clinching
Stud**



**Product
Specification
Sheet**

Thread Size	M2.5	M3	M3.5	M4	M5	M6	M8	
Thread Pitch	0.45	0.50	0.60	0.70	0.80	1.00	1.25	
Head Diameter D ± 0.4	4.1	4.6	5.3	5.9	6.5	8.2	9.6	
Hole in Sheet +0.08 / -0.0	2.5	3.0	3.5	4.0	5.0	6.0	8.0	
Length	6	M2.5-6	M3-6		M4-6			
	8	M2.5-8	M3-8	3.5M3-8	M4-8	M5-8	M6-8	M8-8
	10	M2.5-10	M3-10	3.5M3-10	M4-10	M5-10	M6-10	M8-10
	12	M2.5-12	M3-12	3.5M3-12	M4-12	M5-12	M6-12	M8-12
	15	M2.5-15	M3-15	3.5M3-15	M4-15	M5-15	M6-15	M8-15
	18	M2.5-18	M3-18	3.5M3-18	M4-18	M5-18	M6-18	M8-18
	20		M3-20	3.5M3-20	M4-20	M5-20	M6-20	M8-20
	22		M3-22	3.5M3-22	M4-22	M5-22	M6-22	M8-22
	25		M3-25	3.5M3-25	M4-25	M5-25	M6-25	M8-25
	28			3.5M3-28	M4-28	M5-28	M6-28	M8-28
	30			3.5M3-30	M4-30	M5-30	M6-30	M8-30
	35				M4-35	M5-35	M6-35	M8-35
	38				M4-38	M5-38	M6-38	M8-38

Note: Part numbers are incomplete. Add the prefix which is applicable to the material you require. Example: BFH M2.5-6, Carbon Steel, heat treated, zinc plated w/clear chromate, Thread size #M2.5, length of 6mm



Material:
 BFH – Carbon Steel, heat treated, zinc plated w/clear chromate
 BFHS – 300 series stainless steel, passivated
 BFHA – 2024-H-13 Aluminum, heat treated
 Threads: 6g ISO Metric

Minimum Sheet Thickness 1.0mm
 Maximum recommended panel hardness:
 BFH: Rockwell B80
 BFHS: Rockwell B70
 BFHA: Rockwell B50



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

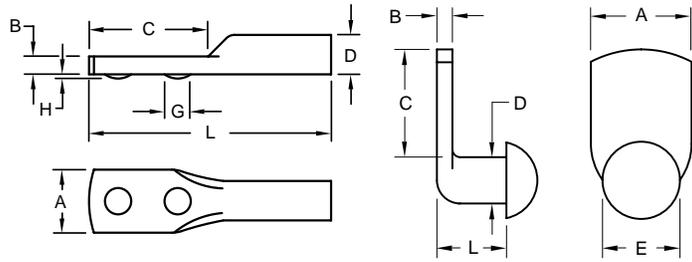
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



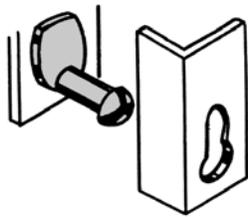
Spade Type Weld Pins



Product Specification Sheet



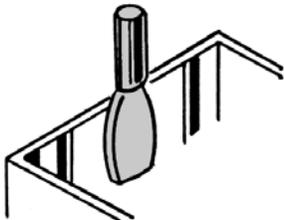
Part Number	Body Diameter D	Length Under Head L	Spade			Head Diameter E
			Width A (Ref.)	Thickness B	Length C (Ref.)	
KL 1905	0.195	0.327	0.406	0.068	0.438	0.323
	0.185	0.297		0.058		0.303
KL 1909	0.195	0.577	0.406	0.068	0.438	0.323
	0.185	0.547		0.058		0.303



The KL weld pin is to be attached with spotwelding equipment. Its body comes to a round head for use with a keyhole mating part. The narrow spade allow the KL weld pin to be used in confined areas. Functions well where adjustment of components is necessary from time to time.



Part Number	Body Diameter D	Length L	Spade			Projection	
			Width A (Ref.)	Thickness B	Length C (Ref.)	Dia. G	Height H
JD 2124	0.218	1.500	0.375	0.099	0.750	0.165	0.027
	0.212			0.089		0.155	0.021



A JD weld pin has two uniform weld projections on a flat offset spade. These two projections fuse in a neat weld leaving the exterior surface of the sheet virtually unmarred, yet is as strong as if the pin was a part of the sheet. Excellent when a pin must be attached to the edge or the end of the sheet. Functioning well as a hinge pin or a pivot point

Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified

Tensile Strength:60,000 psi
 Yield Point:30,000 psi
 Shear Strength:30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

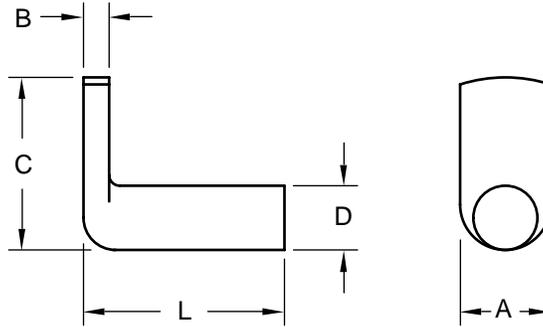
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Right Angle Spot Weld Pin



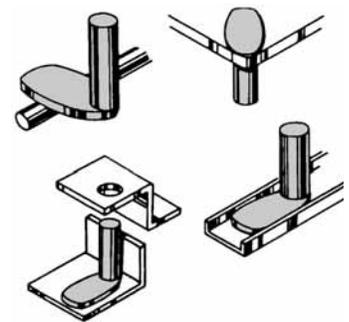
Product Specification Sheet

Body Diameter - D		0.117	0.144	0.163	0.190	0.218	0.250	0.277
	Tolerance	0.117	0.144	0.163	0.190	0.218	0.250	0.277
		0.113	0.139	0.158	0.185	0.212	0.244	0.271
Spade Width (Ref.)	A	0.218	0.250	0.312	0.406	0.375	0.410	0.437
Spade Thickness	B	0.052	0.068	0.068	0.068	0.099	0.120	0.130
		0.042	0.058	0.058	0.058	0.089	0.110	0.120
Spade Length Overall (Ref.)	C	0.562	0.625	0.688	0.688	0.750	0.750	0.875
Length - L (Overall) Tolerance +0.000 -0.031	3/8				SP 1906			
	1/2	SP 1108	SP 1408	SP 1608	SP 1908	SP 2108	SP 2508	
	5/8		SP 1410		SP 1910	SP 2110	SP 2510	SP 2710
	3/4		SP 1412		SP 1912	SP 2112	SP 2512	
	1		SP 1416		SP 1916	SP 2116	SP 2516	SP 2716



The SP spot weld pin, with its spot weld spade at a right angle to the body, makes it ideal for use as a sturdy hinge pin or bearing surface. SP pins are used extensively in confined areas, channels and other limited access areas where such a part with a long, narrow spade is to be spotwelded into place

These pins have been developed to be welded with the same tips and weld setups used to join light assemblies and sheets in other operations. In this way the speed, economy and efficiency of spotwelding for regular production is utilized to make highly dependable fastening foundations.



Material:..... C1010 High-Welding
 Quality, Low Carbon Steel
 Finish: Plain, Unless Specified

Tensile Strength:.....60,000 psi
 Yield Point:.....30,000 psi
 Shear Strength:30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

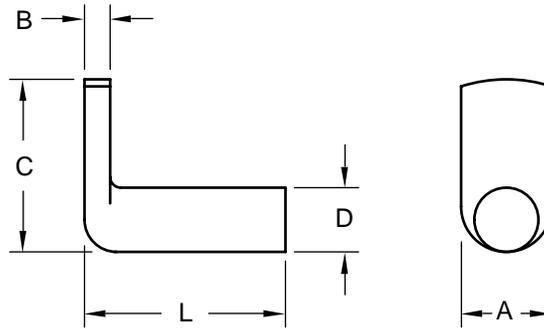
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Right Angle Spot Weld Pin



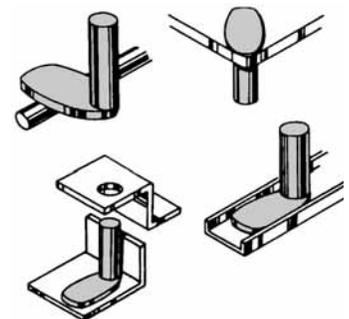
Product Specification Sheet

Body Diameter - D		0.119	0.144	0.163	0.190	0.218	0.250	0.277
Tolerance		0.119 0.113	0.144 0.139	0.163 0.158	0.190 0.185	0.218 0.212	0.250 0.244	0.277 0.271
Spade Width (Ref.)	A	0.218	0.250	0.312	0.406	0.375	0.410	0.437
Spade Thickness	B	0.052 0.042	0.068 0.058	0.068 0.058	0.068 0.058	0.099 0.089	0.120 0.110	0.130 0.120
Spade Length (Overall) (Ref.)	C	0.562	0.625	0.688	0.688	0.750	0.750	0.875
Length (Overall) Tolerance	3/8	SPZ 1106	SPZ 1406		SPZ 1906			
	1/2	SPZ 1108	SPZ 1408	SPZ 1608	SPZ 1908	SPZ 2108	SPZ 2508	
	5/8		SPZ 1410		SPZ 1910	SPZ 2110	SPZ 2510	SPZ 2710
	3/4		SPZ 1412		SPZ 1912	SPZ 2112	SPZ 2512	
	1		SPZ 1416		SPZ 1916	SPZ 2116	SPZ 2516	SPZ 2716



The stainless steel SPZ spot weld pin, with its spot weld spade at a right angle to the body, makes it ideal for use as a sturdy hinge pin or bearing surface. SPZ pins are used extensively in confined areas, channels and other limited access areas where such a part with a long, narrow spade is to be spotwelded into place

These stainless steel pins have been developed to be welded with the same tips and weld setups used to join light assemblies and sheets in other operations. In this way the speed, economy and efficiency of spotwelding for regular production is utilized to make highly dependable fastening foundations.



Material:..... 18-8 Stainless Steel
 Finish: Passivated

Tensile Strength:.....80,000 psi
 Yield Point:.....35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

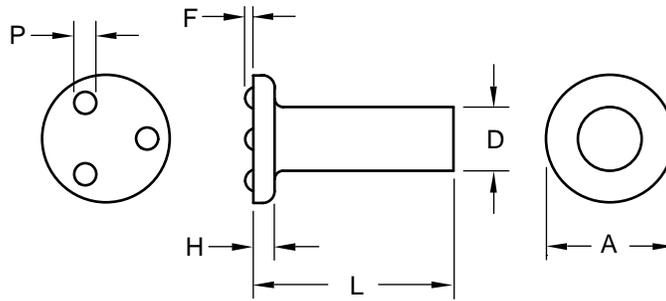
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Weld Pin
With 3
Projections
On Top Of
The Head**



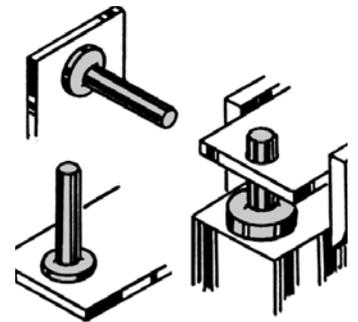
**Product
Specification
Sheet**

Body Diameter - D		0.117	0.144	0.163	0.190	0.250	0.335	0.375
Tolerance		0.117 0.114	0.144 0.140	0.163 0.159	0.190 0.185	0.250 0.244	0.335 0.328	0.375 0.367
Head	A-Diameter	0.260 0.240	0.323 0.303	0.385 0.365	0.448 0.428	0.510 0.485	0.755 0.725	0.755 0.725
	H-Height	0.046 0.036	0.052 0.042	0.068 0.058	0.068 0.058	0.083 0.073	0.114 0.104	0.114 0.104
Projection	P-Diameter	0.055 0.045	0.075 0.065	0.085 0.075	0.095 0.085	0.105 0.095	0.135 0.125	0.135 0.125
	F-Height	0.022 0.018	0.027 0.023	0.032 0.028	0.037 0.033	0.042 0.038	0.052 0.048	0.052 0.048
Length Overall - L	1/4				PG 1904			
	5/16	PG 1105				PG 2505		
	3/8		PG 1406					
Tolerance To 1" +.00 -.03	1/2	PG 1108	PG 1408		PG 1908	PG 2508		PG 3708
	5/8				PG 1910		PG 3310	
	3/4	PG 1112		PG 1612		PG 2512		
	1					PG 2516		PG 3716



The PG weld pin is manufactured to be welded permanently to the component surface. It also functions well in concealed locations and in blind applications. The cold-forged unit construction of the PG weld pin provides a bearing surface, hinge pin, stop or mounting pin, with great rigidity and strength.

Because the PG weld pin needs no mounting hole, it improves both product appearance and durability. Other benefits which can be gained are improved product design, performance and manufacturing economy.



Material:..... C1010 High-Welding
..... Quality, Low Carbon Steel
Finish: Plain, Unless Specified

Tensile Strength:.....60,000 psi
Yield Point:.....30,000 psi
Shear Strength:30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

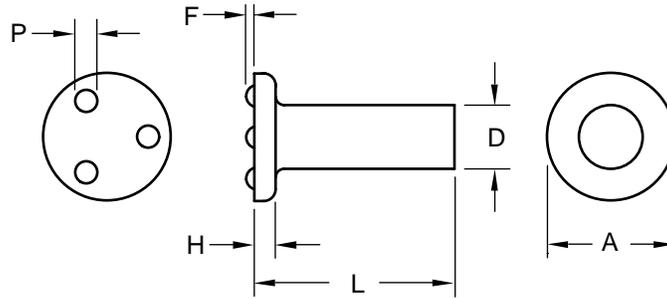
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Weld Pin With 3 Projections On Top Of The Head



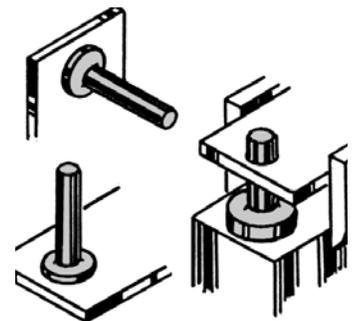
Product Specification Sheet

Size		3 mm	4 mm	5 mm	6 mm	8 mm	10 mm
Pin Diameter	D	3.00	4.00	5.00	6.00	8.00	10.00
		2.90	3.90	4.88	5.87	7.85	9.83
Head Diameter	A	7.0	8.0	10.0	12.0	16.0	20.0
	Tol.	± 0.25	± 0.25	± 0.25	± 0.30	± 0.30	± 0.40
Head Thickness	H ± 0.13	1.2	1.5	1.8	2.1	2.8	3.4
Projection Diameter	P ± 0.13	1.40	2.03	2.40	2.74	3.30	3.68
Projection Height	F ± 0.05	0.53	0.76	0.93	1.04	1.27	1.44
Length (L) (Overall) Tolerance ± 0.4	6.0	PGM 03006	PGM 04006				
	8.0	PGM 03008	PGM 04008	PGM 05008	PGM 06008		
	12.0	PGM 03012	PGM 04012	PGM 05012	PGM 06012		
	16.0	PGM 03016	PGM 04016	PGM 05016	PGM 06016	PGM 08016	
	20.0			PGM 05020	PGM 06020	PGM 08020	
	25.0				PGM 06025	PGM 08025	PGM 10025
	30.0				PGM 06030	PGM 08030	PGM 10030
	40.0				PGM 06040	PGM 08040	PGM 10040
	50.0				PGM 06050	PGM 08050	PGM 10050



The PGM metric weld pin is manufactured to be welded permanently to the component surface. It also functions well in concealed locations and in blind applications. The cold-forged unit construction of the PGM metric weld pin provides a bearing surface, hinge pin, stop or mounting pin, with great rigidity and strength.

Because the PGM metric weld pin needs no mounting hole, it improves both product appearance and durability. Other benefits which can be gained are improved product design, performance and manufacturing economy.



Material:..... C1010 High-Welding
 Quality, Low Carbon Steel
 Finish: Plain, Unless Specified

Tensile Strength:.....60,000 psi
 Yield Point:.....30,000 psi
 Shear Strength:30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

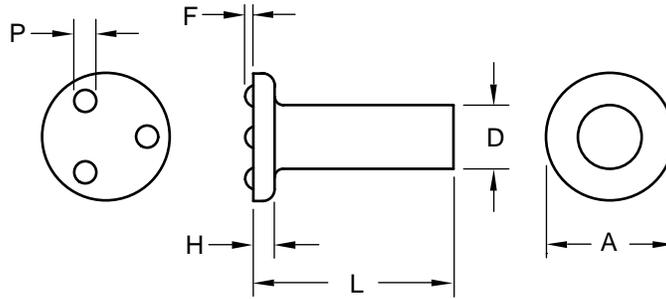
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Weld Pin With 3 Projections On Top Of The Head



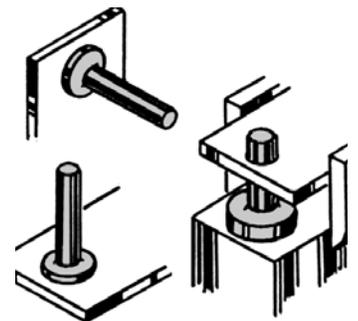
Product Specification Sheet

Body Diameter - D		0.119	0.144	0.163	0.19	0.25	0.335	0.375
Tolerance		0.119 0.114	0.144 0.140	0.163 0.159	0.190 0.185	0.250 0.244	0.335 0.328	0.375 0.367
Head	A-Diameter	0.260 0.240	0.323 0.303	0.385 0.365	0.448 0.428	0.510 0.485	0.755 0.725	0.755 0.725
	H-Height	0.046 0.036	0.052 0.042	0.068 0.058	0.068 0.058	0.083 0.073	0.114 0.104	0.114 0.104
Projections	P-Diameter	0.055 0.045	0.075 0.065	0.085 0.075	0.095 0.085	0.105 0.095	0.135 0.125	0.135 0.125
	F-Height	0.022 0.018	0.027 0.023	0.032 0.028	0.037 0.033	0.042 0.038	0.052 0.048	0.052 0.048
Length Overall Tolerance To 1" +.00 -0.03	1/4				PGZ 1904			
	5/16	PGZ 1105				PGZ 2505		
	3/8		PGZ 1406					
	1/2	PGZ 1108	PGZ 1408		PGZ 1908	PGZ 2508		PGZ 3708
	5/8				PGZ 1910		PGZ 3310	
	3/4	PGZ 1112		PGZ 1612		PGZ 2512		
	1					PGZ 2516		PGZ 3716



The PGZ stainless steel weld pin is manufactured to be welded permanently to the component surface. It also functions well in concealed locations and in blind applications. The cold-forged unit construction of the PGZ stainless steel weld pin provides a bearing surface, hinge pin, stop or mounting pin, with great rigidity and strength.

Because the PGZ stainless steel weld pin needs no mounting hole, it improves both product appearance and durability. Other benefits which can be gained are improved product design, performance and manufacturing economy.



Material:..... 18-8 Stainless Steel
 Finish: Passivated

Tensile Strength:.....80,000 psi
 Yield Point:.....35,000 psi
 Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

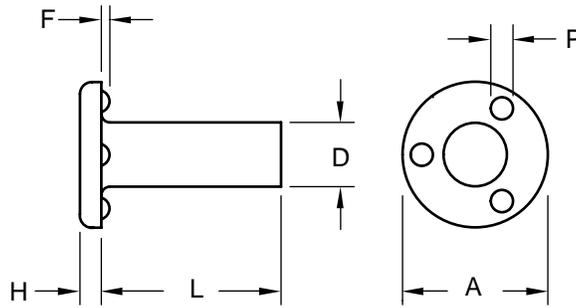
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Weld Pin
With 3
Projections
Under The
Head**

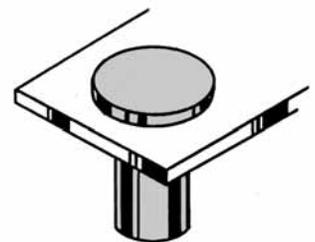


**Product
Specification
Sheet**

Body Diameter - D		0.117	0.144	0.163	0.190	0.218	0.250	0.277	0.335	0.375	0.500
	Tolerance	0.117 0.114	0.144 0.140	0.163 0.159	0.190 0.185	0.218 0.213	0.250 0.244	0.277 0.271	0.335 0.328	0.375 0.368	0.500 0.492
	Head	A-Diameter	0.323 0.303	0.385 0.365	0.448 0.428	0.510 0.490	0.575 0.550	0.635 0.610	0.755 0.725	0.880 0.850	0.880 0.850
		H-Height	0.052 0.042	0.068 0.058	0.068 0.058	0.083 0.073	0.083 0.073	0.083 0.073	0.099 0.089	0.114 0.104	0.130 0.120
Projections	P-Diameter	0.055 0.045	0.075 0.065	0.085 0.075	0.095 0.085	0.105 0.095	0.105 0.095	0.125 0.115	0.135 0.125	0.135 0.125	0.155 0.145
	F-Height	0.022 0.018	0.027 0.023	0.032 0.028	0.037 0.033	0.042 0.038	0.042 0.038	0.047 0.043	0.052 0.048	0.052 0.048	0.062 0.058
Length Under Head	1/4		PH 1404		PH 1904						
	5/16	PH 1105	PH 1405	PH 1605			PH 2505				
	3/8		PH 1406		PH 1906	PH 2106	PH 2506				
Tolerance +.00 -.03	1/2	PH 1108	PH 1408	PH 1608	PH 1908	PH 2108	PH 2508		PH 3308	PH 3708	
	5/8		PH 1410		PH 1910		PH 2510		PH 3310	PH 3710	
Over 1" to 2" (Inclusive) +.00 -.06	3/4				PH 1912		PH 2512	PH 2712		PH 3712	PH 5012
	1.0				PH 1916		PH 2516		PH 3316	PH 3716	
	1-1/8										PH 5018
	1-1/4				PH 1920		PH 2520			PH 3720	
	2.0						PH 2532			PH 3732	



The PH weld pin has three identical precision projections on the underside of the head permitting the pin to be used on through-hole applications. These projections also permit exact positioning and balance for optimum welds. In through-hole applications, the head of the pin is welded to the component's metal making a joint stronger than the surrounding area. This great strength makes the PH weld pin ideal for hinge pins, bearing surfaces, structural supports and stops.



Material:..... C1010 High-Welding
..... Quality, Low Carbon Steel
Finish: Plain, Unless Specified

Tensile Strength:.....60,000 psi
Yield Point:.....30,000 psi
Shear Strength:30,000 psi
Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

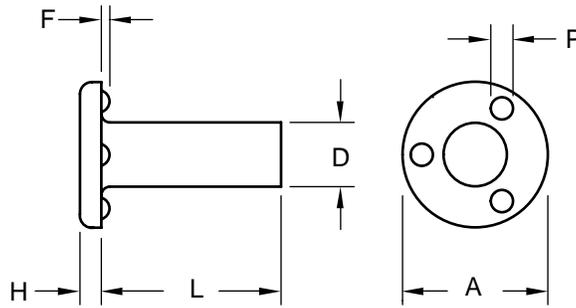
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Weld Pin With 3 Projections Under The Head

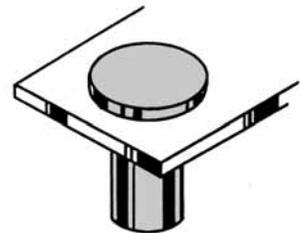


Product Specification Sheet

Size		3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
Pin Diameter	D	3.00	4.00	5.00	6.00	8.00	10.00	12.00
		2.90	3.90	4.88	5.87	7.85	9.83	11.82
Head Diameter	A	8.0	10.8	13.0	15.5	20.0	24.0	25.2
	Tol.	+ 0.2 - 0.3	+ 0.2 - 0.3	± 0.30	± 0.30	± 0.40	± 0.40	± 0.40
Head Thickness	H	± 0.13	1.2	1.5	1.8	2.1	2.8	3.4
Projection Diameter	P	± 0.13	1.40	2.03	2.40	2.74	3.30	3.68
Projection Height	F	± 0.05	0.53	0.76	0.93	1.04	1.27	1.52
Length (L) (Overall) Tolerance ± 0.4	6.0	PHM 03006	PHM 04006					
	8.0	PHM 03008	PHM 04008	PHM 05008	PHM 06008			
	12.0	PHM 03012	PHM 04012	PHM 05012	PHM 06012			
	16.0	PHM 03016	PHM 04016	PHM 05016	PHM 06016	PHM 08016		
	20.0			PHM 05020	PHM 06020	PHM 08020	PHM 10020	PHM 12020
	25.0				PHM 06025	PHM 08025	PHM 10025	
	30.0				PHM 06030	PHM 08030	PHM 10030	PHM 12030
	40.0				PHM 06040	PHM 08040	PHM 10040	
	50.0				PHM 06050	PHM 08050	PHM 10050	PHM 12050



The PHM metric weld pin has three identical precision projections on the underside of the head permitting the pin to be used on through-hole applications. These projections also permit exact positioning and balance for optimum welds. In through-hole applications, the head of the pin is welded to the component's metal making a joint stronger than the surrounding area. This great strength makes the PHM metric weld pin ideal for hinge pins, bearing surfaces, structural supports and stops.



Material:..... C1010 High-Welding
 Quality, Low Carbon Steel
 Finish: Plain, Unless Specified

Tensile Strength:.....60,000 psi
 Yield Point:.....30,000 psi
 Shear Strength:30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

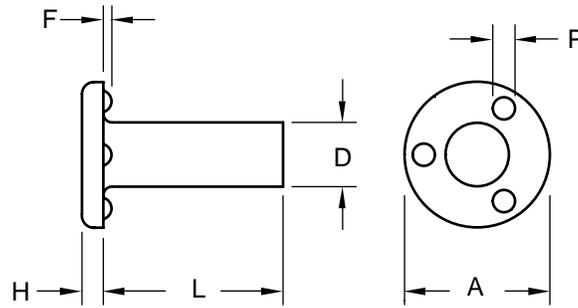
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Stainless Steel Weld Pin With 3 Projections Under The Head

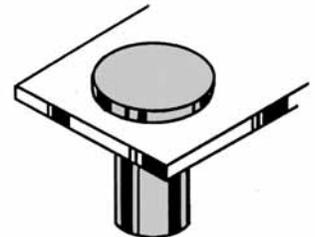


Product Specification Sheet

Body Diameter - D		0.119	0.144	0.163	0.190	0.218	0.250	0.277	0.335	0.375	0.500
Tolerance		0.119 0.114	0.144 0.140	0.163 0.159	0.190 0.185	0.218 0.213	0.250 0.244	0.277 0.271	0.335 0.328	0.375 0.368	0.500 0.492
Head	A-Dia.	0.323 0.303	0.385 0.365	0.448 0.428	0.510 0.490	0.575 0.550	0.635 0.610	0.755 0.725	0.880 0.850	0.880 0.850	1.005 0.975
	H-Height	0.052 0.042	0.068 0.058	0.068 0.058	0.083 0.073	0.083 0.073	0.083 0.073	0.099 0.089	0.114 0.104	0.130 0.120	0.146 0.136
Projections	P-Dia.	0.055 0.045	0.075 0.065	0.085 0.075	0.095 0.085	0.105 0.095	0.105 0.095	0.125 0.115	0.135 0.125	0.135 0.125	0.155 0.145
	F-Height	0.022 0.018	0.027 0.023	0.032 0.028	0.037 0.033	0.042 0.038	0.042 0.038	0.047 0.043	0.052 0.048	0.052 0.048	0.062 0.058
Length Under Head Tolerance +0.00 -0.03 Over 1" to 2" (Inclusive) +0.00 -0.06	1/4		PHZ 1404		PHZ 1904						
	5/16	PHZ 1105	PHZ 1405	PHZ 1605			PHZ 2505				
	3/8	PHZ 1106	PHZ 1406		PHZ 1906	PHZ 2106	PHZ 2506				
	1/2	PHZ 1108	PHZ 1408	PHZ 1608	PHZ 1908	PHZ 2108	PHZ 2508		PHZ 3308	PHZ 3708	
	5/8		PHZ 1410		PHZ 1910		PHZ 2510		PHZ 3310	PHZ 3710	
	3/4				PHZ 1912		PHZ 2512	PHZ 2712		PHZ 3712	PHZ 5012
	1				PHZ 1916		PHZ 2516		PHZ 3316	PHZ 3716	
	1-1/8										PHZ 5018
	1-1/4				PHZ 1920		PHZ 2520			PHZ 3720	
	1-1/2						PHZ 2524				
	2						PHZ 2532			PHZ 3732	



The PHZ stainless steel weld pin has three identical precision projections on the underside of the head permitting the pin to be used on through-hole applications. These projections also permit exact positioning and balance for optimum welds. In through-hole applications, the head of the pin is welded to the component's metal making a joint stronger than the surrounding area. This great strength makes the PHZ weld pin ideal for hinge pins, bearing surfaces, structural supports and stops.



Material:..... 18-8 Stainless Steel
Finish:..... Passivated

Tensile Strength:.....80,000 psi
Yield Point:.....35,000 psi
Elongation 2" 55%



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

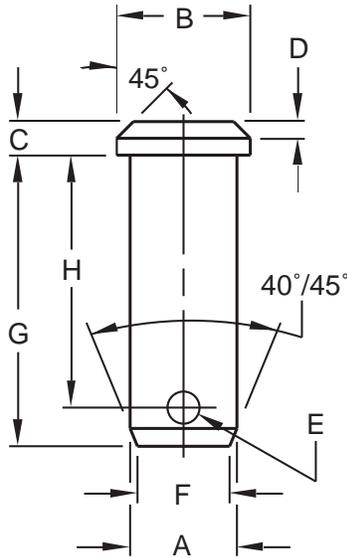
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**SAE
Standard
Clevis Pin**

**Product
Specification
Sheet**



Part Number	BFCP 250	BFCP 312	BFCP 375	BFCP 500
A	.243 / .248	.306 / .311	.368 / .373	.491 / .496
B	0.375	0.438	0.500	0.625
C	0.094	0.094	0.125	0.156
D	0.031	0.031	0.031	0.047
E	.073 / .088	.104 / .119	.104 / .119	.136 / .151
F	.209 / .214	.259 / .265	.321 / .327	.431 / .439
G: Standard Tol. +0.020 - 0.000	49/64	15/16	1/16	1 23/64
H: Standard Tol. +0.020 - 0.000	43/64	13/16	15/16	1 13/64



Pins are standard only when conforming to dimensions shown above. Length is measured from under the head to end of the shank. Drilled holes are chamfered on both sides.

Material: C1008 Low Carbon Steel
 Finish: Plain unless otherwise specified. Plating and/or hardening is available on request.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

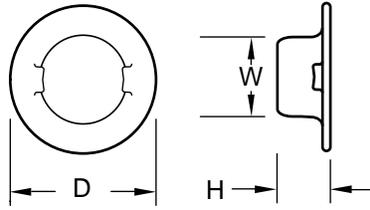
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Push On
Washer Base
Stud Caps**

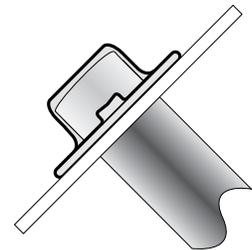


**Product
Specification
Sheet**

Part Number	Stud Diameter	Steel Thickness	Height - H	Cap Diameter - W	Washer Diameter - D
BFPW 188008	0.188	0.015	0.202	0.220	0.500
BFPW 250009	0.250	0.018	0.205	0.289	0.562
BFPW 312010	0.312	0.021	0.236	0.258	0.625
BFPW 375012	0.375	0.026	0.270	0.431	0.750
BFPW 500015	0.500	0.031	0.328	0.567	0.937



From toys to barbecues to copiers... anywhere an unthreaded stud needs fastening, the push on cap does the job. Easily with a common hammer, they are practical for use with products that are shipped knocked down. Available in several popular sizes.



Material: Spring Steel
 Finish: Zinc Plated With Clear Chromate

Tolerances: ± 0.015
 Unless
 Otherwise Stated



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

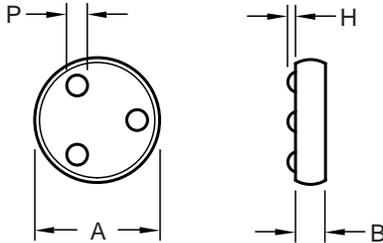
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



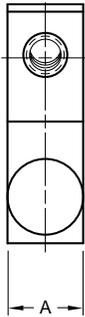
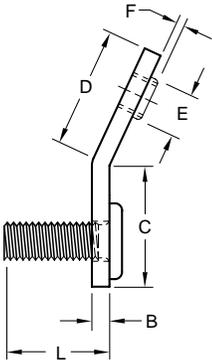
Special Purpose Parts

Product Specification Sheet



Part Number	Diameter	Thickness	Projection	
			Dia.	Height
	A	B	P	H
PC 0612	0.406	0.130	0.075	0.027
	0.344	0.120	0.065	0.023
PC 0618	0.406	0.193	0.075	0.027
	0.344	0.183	0.065	0.023
PC 1218	0.781	0.193	0.130	0.052
	0.719	0.183	0.120	0.048

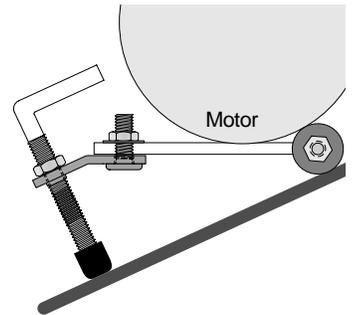
The PC weld pad is manufactured with three projections on one side. The PC pads are primarily used as spacers or as reinforcements in applications where additional metal is required for greater strength or to provide longer service at points of extreme wear.



Part Number	Size Screw & Nut	Width	Thickness	Screw Leg	Nut Leg Dia.	Pilot		Length Under Head
						Dia.	Height	
		A	B	C	D	E	F	L
BF 2712	5/16-18	0.625	0.140	1.000	1.000	0.359	0.078	0.750



The BF bracket is a special purpose product. It functions as a basic belt adjustment bracket. The BF bracket provides a strong, durable low carbon steel base which allows you to make a belt tensioner to fit your particular needs.



Material:..... C1010 High-Welding
 Quality, Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads (Nut): Unified Standard Class 2B
 ASME B 1.1-2003
 Threads (Screw): Unified Standard Class 2A ASME B 1.1-2003

Tensile Strength:.....60,000 psi
 Yield Point:.....30,000 psi
 Shear Strength:30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

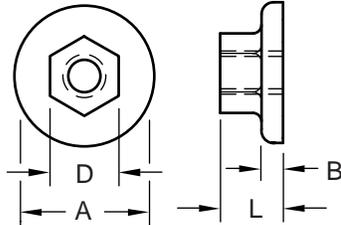
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



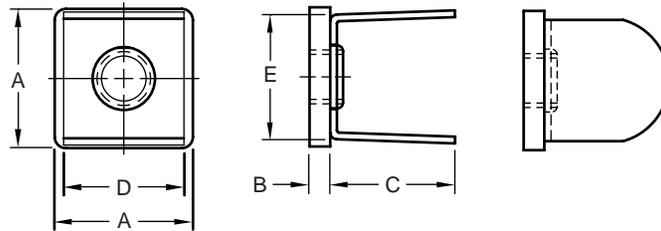
Special Purpose Parts

Product Specification Sheet



Part Number	Thread Size	Thickness (Overall) L	Flange		Hex Across The Flats D
			Diameter A	Height B	
HF 2707	5/16-18	0.375	1.000	0.125	0.500

Widely used as a hold down nut on springs, the HF nut features strong, one piece, cold forged construction which has a hexagon shaped body with a large round flange. The wide flange allows the HF nut to be ARC welded in place. It may also be used to bridge oversize holes or where extra bearing surface is required for additional strength, or to prevent embedding.



Part Number	Thread Size	Base		Leg		Width Of Stamping E
		Width A	Thickness B	Length C	Width D	
		LN 2788	5/16-18	0.968	0.125	
LN 3388	3/8-16	0.968	0.125	0.875	0.843	0.870 0.860

The LN insert fits inside a 1 inch, 16 gage square tube, snapping easily into place. The threaded base is slightly larger than the U shaped stamping to provide a strong bearing surface on the tubing edge.

Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified
 Threads:Unified Standard Class 2B ASME B1.1-2003

Tensile Strength:60,000 psi
 Yield Point:30,000 psi
 Shear Strength:30,000 psi
 Elongation 2"30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

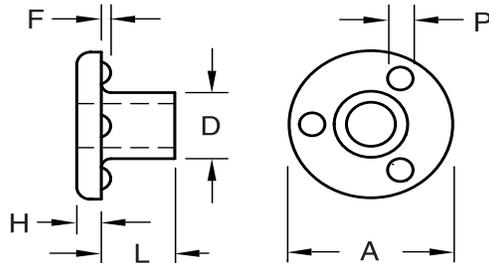
buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



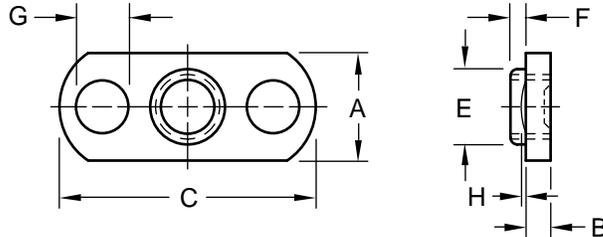
Special Purpose Parts

Product Specification Sheet



Part Number	Hole Dia.	Thickness Under Flange	Body Dia.	Flange		Projection	
				Dia.	Height	Dia.	Height
				A	H	P	F
RB 3108	0.318	0.515	0.500	1.005	0.146	0.155	0.062
	0.312	0.495	0.492	0.970	0.136	0.145	0.058

The RB boss can be used as a bushing, guide or a bearing. It has no threads and three projections on the underside of the head to insure accuracy in positioning the RB boss.



Part Number	Thread Size	Width	Thickness	Length	Pilot		Projection		Hole In Sheet
					Dia.	Height	Dia.	Height	
					E	F	G	H	
WN 2724	5/16-18	0.655	0.145	1.515	0.369	0.08	0.317	0.029	0.375
		0.620	0.139	1.485	0.349		0.307	0.025	

A dual tab projection weld nut, the WN is manufactured for use in locations requiring additional strength and where the tension is against the weld. The location of the twin tabs enables the WN nut to be used in bridging corners and on convex surfaces. The two large button projections on the WN provide great strength and are ideal for use with heavy gage material. A pilot speeds hand feeding and provides full thread engagement.

Material:C1010 High-Welding Quality, Low Carbon Steel
 Finish:Plain, Unless Specified
 Threads:Unified Standard Class 2B ASME B1.1-2003

Tensile Strength: 60,000 psi
 Yield Point: 30,000 psi
 Shear Strength: 30,000 psi
 Elongation 2" 30% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

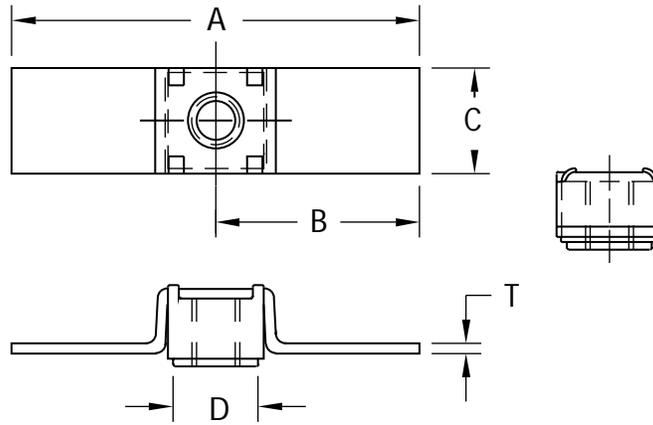
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**Floating
Nut
Retainer**



**Product
Specification
Sheet**

Part Number	Thread Size	A	B	C	D	T
		Length	Half Length	Width	Pilot Diameter	Plate
NR 1420	1/4-20	1.750	0.875	0.562	0.398	0.045 0.050
NR 51618	5/16-18	2.000	1.000	0.781	0.523	0.045 0.050
NR 3816	3/8-16	2.000	1.000	0.781	0.523	0.045 0.050
NR 1213	1/2-13	2.250	1.125	0.937	0.750	0.050 0.060



Sturdy, dependable fasteners referred to as floating nut retainers. The design of this fastener allows the nut to “float” within the steel cage which is ideal for hole misalignment and blind assembly. These nuts are commonly used in fork trucks, rail cars, ocean containers, automobile and office furniture, appliances and numerous other applications.

Material:..... Retainer: C1008 - C1018 Low Carbon Steel
 Nut: C1008 - C1010 Low Carbon Steel
 Finish: Plain, Unless Specified
 Threads:..... Unified Standard Class 2B
 ASME B 1.1-2003



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

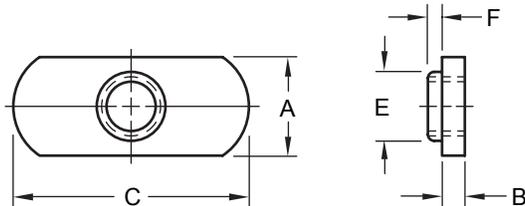
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



**NDZ
Stainless
Steel Metric
Weld Nut**



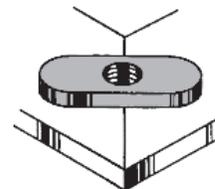
**Product
Specification
Sheet**

Part Number	Thread Size	Width		Thick.	Length	Pilot		Hole In Sheet
				Tol.	Tol.	Dia.	Hgt.	
				+ 0.1 - 0.1	+ 0.4 - 0.4	+ 0.2 - 0.3	+ 0.3 - 0.1	
		A	Tol. "A"	B	C	E	F	
NDZ 06025	M6 x 1-6H	11.1	+0.4 -0.1	2.4	25.4	7.6	0.76	8.0
NDZ 06028	M6 x 1-6H	13.0	+ 0.4 - 0.3	3.2	28.5	7.6	1.2	8.0
NDZ 08038	M8 x 1.25-6H	16.0	+ 0.4 - 0.3	3.6	38.0	9.2	2	9.6
NDZ 10038	M10 x 1.5-6H	16.0	+ 0.4 - 0.3	3.6	38.0	11.8	2.4	12.2



The NDZ stainless steel metric weld nut is a dual-tab spot weld nut manufactured for applications requiring additional strength where tension is against the weld. The location of the twin-tabs enables the NDZ to be used in bridging corners and recessed areas. A precision pilot speeds location and provides a full thread engagement.

The NDZ can use the same electrodes, equipment and settings used in production, thus eliminating setup and changeover time, thereby lowering in-place-fastener cost.



Material:..... 18-8 Stainless Steel
 Finish: Passivated
 Threads:..... ASME B 1.13M-2005

Tensile Strength:.....80,000 psi
 Yield Point:.....35,000 psi
 Elongation 2" 55% Max.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

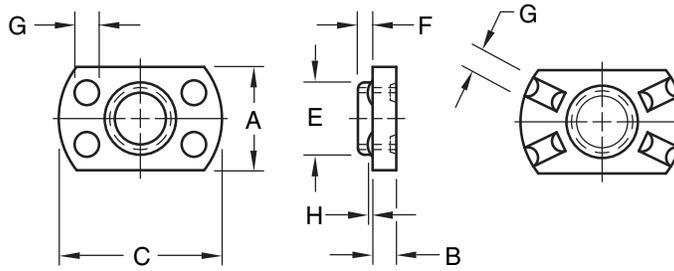
(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Four Projection Tab Weld Nut



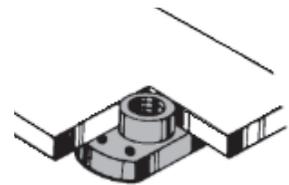
Product Specification Sheet

Part Number	Thread Size	Width A	Thickness B	Length C	Pilot		Projection		Hole In Sheet
					Dia.	Height	Diameter	Height	
					E	F	G	H	
QNZ 2113	1/4-20	0.520	0.097	0.827	0.291	0.05	0.130	0.022	0.312
		0.495	0.091	0.797	0.271		0.120	0.018	
QNZ 2716	5/16-18	0.655	0.128	0.999	0.369	0.08	0.155	0.032	0.375
		0.620	0.122	0.969	0.349		0.145	0.028	
QNZ 3316	3/8-16	0.655	0.128	0.999	0.448	0.09	0.155	0.032	0.453
		0.620	0.122	0.969	0.428		0.145	0.028	



The QNZ weld nut has four identical precision projections. They are positioned to fuse simultaneously so each projection flows and seats properly for maximum weld strength. The four projections provide additional weld area coverage with maximum strength.

The pilot on the QNZ weld nut provides additional thread engagement and prevents any possible shunting of the projections onto the threads. This eliminates the necessity of retapping filled threads.



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2008 Buckeye Fasteners, Inc. All Rights Reserved



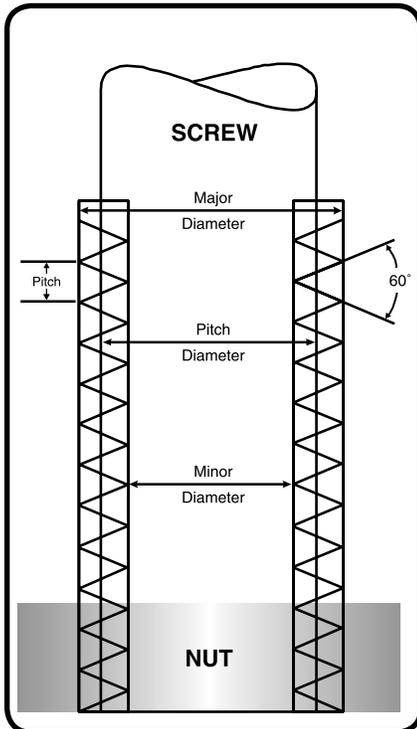
Inch Thread Data

OHIO screws are furnished with rolled threads. The threads are formed to within one full thread of the underside or the top of the weld projections, which ever is applicable. Considerably stronger threads are produced by cold working during the thread rolling operation than can be made by a cut thread process. The grain fibers of the steel are elongated and present unbroken flow lines, which follow the contour of the thread. With thread cutting, the fibers are severed by a cutting operation, thus reducing the tensile and shearing strength of the threads.

Coarse Threads

OHIO standard parts are furnished primarily with coarse threads in accordance with the recommendation of the **American National Standards Institute, Inc.**, which reads as follows:

“The coarse thread series is recommended for general use in engineering work, in machine construction where conditions are favorable to the use of bolts, screws and other threaded components where quick and easy assembly of the parts is desired and for all work where conditions do not require the use of fine-pitch threads.”



Fine Threads

Some of our weld fasteners are available in fine threads as shown in the respective parts listing.

Screw Threads

OHIO screw threads are Unified Standard Class 2A. The ends of all OHIO screws have the first thread undersized to facilitate entry into a threaded hole; therefore, no chamfering or pointing of an OHIO screw is required. OHIO weld and adjusting screws are threaded the entire length.

Nut Threads

OHIO nut threads are Unified Standard Class 2B. The Unified Form is shown in detail in the booklet B1.1 2003 issued by The American National Standard Institute. The threads shown in the following table are for reference only.

Plating Information

To be guaranteed gaugeable to the basic pitch diameter, a plating thickness of .0002 is the maximum amount of coating that can be applied to a standard threaded fastener.

Gauging Plated Fasteners

When gauging plated fasteners, a light oil lubricant must be applied to the gauge and to the threaded product due to the inherent abrasiveness of electroplating. In all cases, a standard plated fastener is to be gauged to the basic pitch diameter.

Inch Thread Data

External Threads						
Thread Size	Thread Symbol	Major Diameter		Pitch Diameter		UNR Minor Dia. Max. (Ref.)
		Minimum	Maximum	Minimum	Maximum	
# 6-32	UNC-2A	.1312	.1372	.1141	.1169	.1000
# 8-32	UNC-2A	.1571	.1631	.1399	.1428	.1259
#10-24	UNC-2A	.1818	.1890	.1586	.1619	.1394
#10-32	UNF-2A	.1831	.1891	.1658	.1688	.1519
1/4-20	UNC-2A	.2408	.2489	.2127	.2164	.1894
1/4-28	UNF-2A	.2425	.2490	.2225	.2258	.2064
5/16-18	UNC-2A	.3026	.3113	.2712	.2752	.2452
5/16-24	UNF-2A	.3042	.3114	.2806	.2843	.2618
3/8-16	UNC-2A	.3643	.3737	.3287	.3331	.2992
3/8-24	UNF-2A	.3667	.3739	.3430	.3468	.3243
1/2-13	UNC-2A	.4876	.4985	.4435	.4485	.4069
Internal Threads						
Thread Size	Thread Symbol	Minor Diameter		Pitch Diameter		Major Diameter Minimum
		Minimum	Maximum	Minimum	Maximum	
# 6-32	UNC-2B	.104	.114	.1177	.1214	.1380
# 8-32	UNC-2B	.130	.139	.1437	.1475	.1640
#10-24	UNC-2B	.145	.156	.1629	.1672	.1900
#10-32	UNF-2B	.156	.164	.1697	.1736	.1900
1/4-20	UNC-2B	.196	.207	.2175	.2224	.2500
1/4-28	UNF-2B	.211	.220	.2268	.2311	.2500
5/16-18	UNC-2B	.252	.265	.2764	.2817	.3125
5/16-24	UNF-2B	.267	.277	.2854	.2902	.3125
3/8-16	UNC-2B	.307	.321	.3344	.3401	.3750
3/8-24	UNF-2B	.330	.340	.3479	.3528	.3750
1/2-13	UNC-2B	.417	.434	.4500	.4565	.5000



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved



Metric Thread Data

Basic Information

OHIO metric screws are furnished with rolled threads. The threads can be formed to within one full thread of the underside or the top of the weld projections, which ever is applicable. Considerably stronger threads are produced by cold working during the thread rolling operation than can be made by a cut thread process. The grain fibers of the steel are elongated and present unbroken flow lines, which follow the contour of the thread. With thread cutting, the fibers are severed by a cutting operation, thus reducing the tensile and shearing strength of the threads.

Screw Threads

OHIO metric screw threads are 6g per ANSI B1.13M-2005. The ends of all OHIO screws have the first thread undersized to facilitate entry into a threaded hole; therefore, no chamfering or pointing of an OHIO screw is required. OHIO weld and adjusting screws are threaded the entire length.

Plating Information

To be guaranteed gaugeable to the basic pitch diameter, a plating thickness of .0002 is the maximum amount of coating that can be applied to a standard threaded fastener.

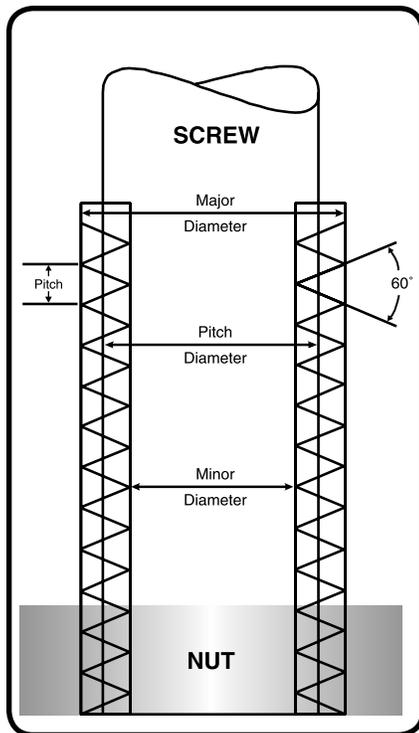
Nut Threads

OHIO nut threads are 6H per ANSI B1.13M-2005. The metric threads are shown in detail in the booklet B1.13M-2005 issued by The American National Standard Institute, Inc. The threads shown in the following table are for reference only.

Gauging Plated Fasteners

When gauging plated fasteners, a light oil lubricant must be applied to the gauge and to the threaded product due to the inherent abrasiveness of electroplating. In all cases, a standard plated fastener is to be gauged to the basic pitch diameter.

Metric Thread Data



External Threads						
Thread Size	Thread Pitch	Major Diameter		Pitch Diameter		UNR Minor Dia. Max. (Ref.)
		Minimum	Maximum	Minimum	Maximum	
M3.5-6g	0.6	3.354	3.479	3.004	3.089	2.829
M4-6g	0.7	3.838	3.978	3.433	3.523	3.220
M5-6g	0.8	4.826	4.976	4.361	4.456	4.110
M6-6g	1	5.794	5.974	5.212	5.324	4.891
M8-6g	1.25	7.760	7.972	7.042	7.160	6.619
M10-6g	1.5	9.732	9.968	8.862	8.994	8.344
M12-6g	1.75	11.701	11.966	10.679	10.829	10.072
Internal Threads						
Thread Size	Thread Pitch	Minor Diameter		Pitch Diameter		UNR Major Dia. Max. (Ref.)
		Minimum	Maximum	Minimum	Maximum	
M3.5-6H	0.6	2.850	3.010	3.110	3.222	3.699
M4-6H	0.7	3.242	3.422	3.545	3.663	4.219
M5-6H	0.8	4.134	4.334	4.480	4.605	5.240
M6-6H	1	4.917	5.153	5.350	5.500	6.294
M8-6H	1.25	6.647	6.912	7.188	7.348	8.340
M10-6H	1.5	8.376	8.676	9.026	9.206	10.396
M12-6H	1.75	10.106	10.441	10.863	11.063	12.453



Buckeye Fasteners, Inc.

5250 West 164th Street • Brook Park, Ohio 44142-1597

(800) 437-1689 • Fax: (216) 267-3228

buckeyefasteners.com • info@buckeyefasteners.com

© 2007 Buckeye Fasteners, Inc. All Rights Reserved

