

Tab Weld Nuts – Metric Coarse Thread

1. SCOPE

The fasteners defined by this specification are metric coarse thread Tab Weld Nuts. There are no national or international standards for tab weld nuts. The specification is based on user requirements and available commercial products.

When a standard is referenced in a drawing or specification, it is understood that the reference is to the latest revision of the standard, unless stated otherwise.

2. PART DESCRIPTION

Typical part description for BOM's and CAD drawings entered by Standards.

NUT, WELD M12 STYLE 4 PLN

For cross-reference listing of company part numbers, go to [CNH Catalogue](#).

3. RELATED DOCUMENTS

3.1 REFERENCE STANDARDS

CNH STPA020—Fastener Finishes and Material Specifications

CNH MAT0310—Zinc Plating

SAE J122—Surface Discontinuities on Nuts

ANSI B18.16.1M—Mechanical and Performance Requirements For Prevailing-Torque Type Steel Metric Hex Nuts

3.2 REPLACED STANDARDS

Case EM-080—Tab Weld Nuts General Spec.

Case EM-081—Tab Weld Nuts Preferred

Case EM-082—Tab Weld Nuts Prevailing Torque Preferred

4. REQUIREMENTS

4.1 MATERIAL

Material as designated by part number per CNH STPA020. C1008-1010 high welding quality, low carbon steel.

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4.2 PREFERRED PARTS POLICY

Preferred parts are so designated to reduce variety of parts and assure maximum availability and cost savings:

Nominal Sizes: M4, 5, 6, 8, 10 and 12
 Material: Steel
 Finish: Plain (PLN)

4.3 MECHANICAL DIMENSIONS

All dimensions in this standard are in millimetres. All unspecified detail must conform to standards listed above.

4.4 SURFACE DISCONTINUITIES

All products under this specification shall be free from burrs, seams, laps, loose scale, irregular surfaces and any defects affecting their serviceability.

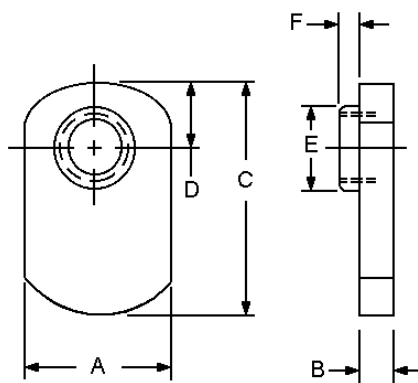
4.5 THREADS

Threads shall be standard (coarse) pitch ISO metric screw threads, tolerance class 6H.

4.6 PREVAILING TORQUE

When specified, prevailing torque weld nuts shall be all metal, one-piece construction. The prevailing torque characteristics are developed by controlled distortion of the nut thread and/or body on the upper portion of the dome of the nut and are to meet the prevailing torque requirements specified in ANSI B 18.16.1M

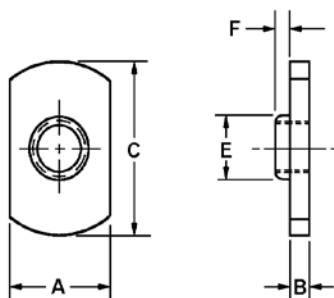
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Style 1M

Size	Pitch	Gripco Part Number	Part Number	Width		Thick	Length	Center Line Loc.	Pilot		Pilot Hole Dia.
				A					Dia.	Height	
				Max	Min.				E	F	
M4	0.7	S1-M4x0.7	---	11.4	10.8	2.4	15.9	4.7	5.2	0.8	5.6
M5	0.8	S1-M5x0.8	---	11.4	10.8	2.4	15.9	4.7	5.9	0.8	6.4
M6	1	S1-M6x1.0	---	13.4	12.4	2.7	20.6	6.4	7.5	1.2	8
M6	1	Versatile 43924	9672408	13.4	12.6	3.2	20.5	6.4	7.6	1.2	8
M8	1.25	S1-M8x1.25	87690469	16.4	15.6	3.4	28.6	8.7	9.1	2	9.6
M8	1.25	Versatile 43925	9672409	16.4	15.6	3.6	25	7.1	9.2	2	9.5
M10	1.5	*	87602938	16.4	15.6	3.6	28.5	8.7	11.8	2.4	12.2

* Ohio SNM10028. Part not made by Gripco.

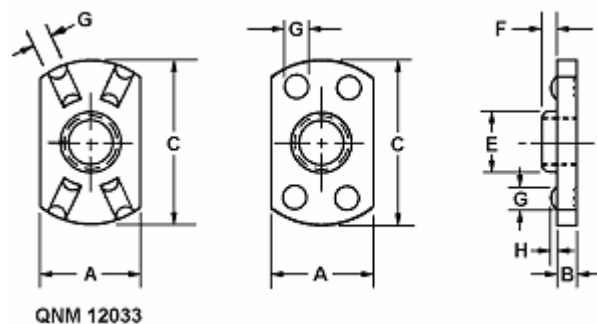


Dimensions in millimetres

Style 2M

Size	Pitch	Ohio Part Number	Part Number	Width		Thick	Length	Pilot		Projection		Hole in Sheet
				A	B			C	Dia.	Height	Width	
						E	F		G	H		
Tolerance				max	min	± 0.1	± 0.4	+ 0.2 - 0.3	+ 0.3 - 0.1	+ 0.1 - 0.15	+ 0.06 - 0.05	
M4	0.7	NDM 04022	---	11.3	10.8	2.4	22	5.2	0.8	---	---	5.6
M5	0.8	NDM 05022	87035500	11.3	10.8	2.4	22	6	0.8	---	---	6.4
M5 *	0.8	---	87301294	11.3	10.8	2.4	22	6	0.8	---	---	6.4
M6	1	NDM 06028	87030557	13.5	12.7	3.2	28.5	7.6	1.2	---	---	8
M6 *	1	---	87031295	13.5	12.7	3.2	28.5	7.6	1.2	---	---	8
M8	1.25	NDM 08038	87030558	16.5	15.7	3.6	38	9.2	2	---	---	9.6
M10	1.5	NDM 10038	86639232	16.5	15.7	3.6	38	11.8	2.4	---	---	12.2

* Prevailing Torque



Style 4M

Dimensions in millimetres

Size	Pitch	Ohio Part Number	Part Number	Width		Thick	Length	Pilot		Projection		Hole in Sheet
				A	B			C	Dia.	Height	Width	
						E	F		G	H		
Tolerance				max	min	± 0.1	± 0.4	+ 0.2 - 0.3	+ 0.3 - 0.1	+ 0.1 - 0.15	+ 0.06 - 0.05	
M4	0.7	QNM 04016	---	11.3	10.8	2.4	16	5.2	0.8	2.3	0.38	5.6
M5	0.8	QNM 05016	84139324	11.3	10.8	2.4	16	6	0.8	2.3	0.38	6.4
M6	1	QNM 06020	---	13.5	12.7	2.4	20.5	7.2	1.2	3.2	0.5	7.6
M8	1.25	QNM 08025	---	16.5	15.7	3.2	25	9.2	2	3.85	0.76	9.6
M10	1.5	QNM 10026	87301442	16.5	15.7	3.2	25	11.2	2.4	3.85	0.76	11.6
M12	1.75	QNM 12033	87690470	20.3	18.6	4.8	32	14	2.4	---	0.7	14.4

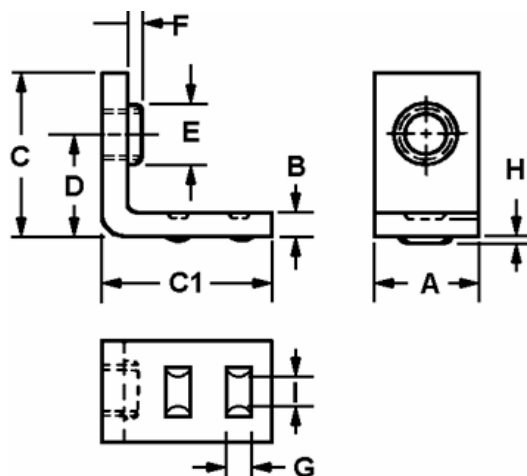
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Style 9M

Dimensions in millimetres

Size	Pitch	Ohio Part Number	Part Number	Width	Thick	Length of Leg		Center to Bend	Pilot		Projection		
				A	B	C	C1	D	E	F	G	H	I
Tolerance				+ 0.4 - 0.3	± 0.1	± 0.4	± 0.4	+ 0.3 - 0.5	+ 0.2 - 0.3	+ 0.3 - 0.1	+ 0.1 - 0.15	+ 0.08 - 0.07	± 0.4
M4	0.7	BTM 04011	47529339	13	3.2	15.1	16.6	10	none	none	2.4	0.3	2.4
M5	0.8	BTM 05011	---	13	3.2	15.1	16.6	10	none	none	2.4	0.3	2.4
M6	1	BTM 06012	---	13	3.2	19.1	19.1	12	7.6	1.2	2.8	0.5	3.2
M8	1.25	BTM 08016	---	16.1	3.6	25.4	25.4	16	9.2	2	3.6	0.63	3.6