<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbott-Interfast Corp</td>
<td>190 Abbott Dr</td>
<td>Wheeling, IL 60090</td>
</tr>
<tr>
<td>Acme Rivet &amp; Machine Corp</td>
<td>50 Emmett St</td>
<td>Bristol, CT 06010</td>
</tr>
<tr>
<td>Aero Mechanical Fastening Systems, Inc</td>
<td>15481 West 110th Street</td>
<td>Lenexa, KS 66219</td>
</tr>
<tr>
<td>A. J. Fasteners, Inc</td>
<td>252 Kruse Ave</td>
<td>Monrovia, CA 91016</td>
</tr>
<tr>
<td>Abbott Screw &amp; Mfg Co</td>
<td>6525 N. Clark St</td>
<td>Chicago, IL 60626</td>
</tr>
<tr>
<td>ABSCOA INDUSTRIES</td>
<td>1071 West Arbor Vitae St</td>
<td>Inglewood, CA 90301</td>
</tr>
<tr>
<td>Acme Screw Company</td>
<td>1201 W. Union Ave</td>
<td>Wheaton, IL 60189</td>
</tr>
<tr>
<td>Aerospace Products Div of Apcos Fasteners Inc</td>
<td>123 N. Pine St</td>
<td>Indianapolis, IN 46202</td>
</tr>
<tr>
<td>Akko Fasteners, Inc</td>
<td>6855 Cornell Rd</td>
<td>Cincinnati, OH 45242</td>
</tr>
<tr>
<td>Accurate Automatic Parts, Inc</td>
<td>2885 S. 163rd St</td>
<td>New Berlin, WI 53151</td>
</tr>
<tr>
<td>Accurate Precision Fasteners Corp</td>
<td>20 Honeck St</td>
<td>Englewood, NJ 07631</td>
</tr>
<tr>
<td>Adams Industries Inc</td>
<td>3 Bradley International Airport</td>
<td>PO Box 291</td>
</tr>
<tr>
<td>Air Industries Corporation</td>
<td>12570 Knott Street</td>
<td>Garden Grove, CA 92841</td>
</tr>
<tr>
<td>Albany Fasteners/Pawtucket Fastener Div</td>
<td>327 Pine St</td>
<td>Pawtucket, RI 02862</td>
</tr>
<tr>
<td>Allfast Fastening Systems</td>
<td>15200 Don Julian Rd</td>
<td>Industry, CA 91745</td>
</tr>
<tr>
<td>Accurate Threaded Fasteners, Inc</td>
<td>3550 West Pratt Avenue</td>
<td>Lincolnwood, IL 60645</td>
</tr>
<tr>
<td>ACIMET MFG.</td>
<td>1710 Clarkstone Road</td>
<td>Cleveland, OH 44112</td>
</tr>
<tr>
<td>ACIMET</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACIMET &amp; Manufacturing Inc</td>
<td>PO Box 941</td>
<td>Lodi, NJ 07644</td>
</tr>
<tr>
<td>Aerospace Manufacturing Inc</td>
<td>55 Contant Avenue</td>
<td>Lodi, NJ 07644</td>
</tr>
<tr>
<td>Allied Tubular Rivet</td>
<td>294 Carlton Dr</td>
<td>Carol Stream, IL 60188</td>
</tr>
<tr>
<td>Alloy &amp; Stainless Fasteners, Inc</td>
<td>11620 Charles St</td>
<td>Houston, TX 77041</td>
</tr>
<tr>
<td>Company</td>
<td>Type</td>
<td>Address</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>---------</td>
</tr>
<tr>
<td>California Screw Products</td>
<td>CS</td>
<td>14957 Gwen Chris Ave Paramount, CA 90723</td>
</tr>
<tr>
<td>AMSCO Products</td>
<td>Camcar Division of Textron Inc</td>
<td>345 East Marshall Street Wytheville, VA 24382</td>
</tr>
<tr>
<td>Taptite Products</td>
<td>Camcar Division of Textron Inc</td>
<td>826 East Madison Street Belvidere, IL 61008</td>
</tr>
<tr>
<td>Drillite Products</td>
<td>Camcar Division of Textron Inc</td>
<td>1301 Kerr Drive Decorah, IA 52101</td>
</tr>
<tr>
<td>Raycarl Products</td>
<td>Camcar Division of Textron Inc</td>
<td>600 Eighteenth Ave Rockford, IL 61101</td>
</tr>
<tr>
<td>CEM Co, Inc</td>
<td></td>
<td>PO Box 179 Danielson, CT 06239</td>
</tr>
<tr>
<td>Champion Rivet Div</td>
<td>Champion Commercial Industries, Inc</td>
<td>5137 Indianapolis Blvd East Chicago, IN 60632</td>
</tr>
<tr>
<td>Chandler Products, Inc</td>
<td></td>
<td>1491 Chardon Rd Cleveland, OH 44117</td>
</tr>
<tr>
<td>Cherry Commercial Fasteners</td>
<td>Cherry Aerospace Fasteners</td>
<td>1224 E. Warner Ave Santa Ana, CA 92707</td>
</tr>
<tr>
<td>Cinch-Monadnock</td>
<td></td>
<td>18301 Arenth Ave City of Industry, CA 91749</td>
</tr>
<tr>
<td>Clark Bros Bolt Co Inc</td>
<td></td>
<td>Canal St Milldale, CT 06467</td>
</tr>
<tr>
<td>Cleveland Cold Heading Corp</td>
<td></td>
<td>PO Box 36066 Cleveland, OH 44136</td>
</tr>
<tr>
<td>Coast Industrial Supply Co, Inc</td>
<td></td>
<td>15959 Pluma Ave Cerritos, CA 90701</td>
</tr>
<tr>
<td>Cobb and Drew, Inc</td>
<td></td>
<td>PO Box 3387 Plymouth, MA 02360</td>
</tr>
<tr>
<td>Cold Heading Co</td>
<td></td>
<td>4600 Bellevue Detroit, MI 48207</td>
</tr>
</tbody>
</table>

**Legend:**
- **CS**: For aircraft and commercial specialty externally threaded fasteners.
- **AMSCO**: Head marking.
- **Taptite**: Head marking.
- **Drillite**: Under head marking.
- **Raycarl**: Under head marking.
- **CEM**: Head marking.
- **Champion Rivet Div**: Rivets only.
- **Chandler**: |
- **Cherry Commercial Fasteners**: Mark.
- **Cherry Aerospace Fasteners**: Mark.
- **Cinch-Monadnock**: a dot.
- **Clark Bros Bolt Co Inc**: CB.
- **Cleveland Cold Heading Corp**: (Dot) or CC.
- **Coast Industrial Supply Co, Inc**: C Stainless and nonferrous hex bolts.
- **Cobb and Drew, Inc**: No standard mark.
- **Cold Heading Co**: CP.
Indented hex head
Optional ind hex head — two rings & two dots in indentation.

Greer-Smyrna Inc
A Microdot Co
PO Box 68
Smyrna, TN 37167

Green nylon insert identifies Greer-Smyrna as manufacturer of locknuts.

(6) equally spaced stakes plus notch in corner of hex identifies Grade C — inch.

(6) equally spaced stakes identifies Grade B — inch.

The letter “G” identifies Greer-Smyrna as manufacturer.

PROPERTY CLASS 5, 9 AND 10 MARKINGS PER ANSI/ASME B18.16.1M LOCATED ON BEARING SURFACE AND/OR HEX FLATS.

Gripco Crownlock
Grade C inch locknut

Twin Delta Crownlock
Class 9 metric locknut

Conelok inch locknuts

Grade markings per IFI Standard 100
(one or two small notches cut circumferentially into each of the six corners at about mid-height)

Gripco Crownlock
Grade B inch locknut

Twin Delta Crownlock
Class 10 metric locknut

Gripco Crownlock
Class 9 metric locknut

Conelok metric locknuts — Bearing surface

Emhart
Fastening Systems Group
Gripco Fastener Division
111 E. Broad Street
South Whitley, IN 46787

G.T. Special Products, Inc
2175 West Maple Rd
Walled Lake, MI 48088

Guardian Rivet and Fastener
70 Air Park Dr
Ronkonkoma, NY 11779

Haskell of Huntington Inc
300 Third Ave
Huntington, WV 25706

H. K. Metalcraft Mfg Corp
35 Industrial Rd
Lodi, NJ 07644

Produced washers are unmarked.

Hardware & Metal Specialties Inc
550 E. 19th St
Tucson, AZ 85701

HMS

Hardware Specialty Co Inc
48-75 36th St
Long Island City, NY 11101

HS

The Harrison Bolt & Nut Co
2781 Wilkens Ave
Baltimore, MD 21223

HB

John Hassall Inc
PO Box 698
Cantiague Rd
Westbury, NY 11590
<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Address</th>
<th>Marking Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metalcrafters Div of Keystone Consolidated Ind Inc</td>
<td>4500 Kishwaukee St Rockford, IL 61125</td>
<td>K symbol used on miscellaneous and general Kaynar products.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Indented hex &amp; hex washer heads</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hex cap screws - low carbon steel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Misc. markings for screws &amp; bolts</td>
</tr>
<tr>
<td>Michigan Rivet Corp</td>
<td>13201 Stephens Rd Warren, MI 48089</td>
<td>Δ MR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>K symbol used on sheet metal or stamped products.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stylized K symbol used on forged or foreign products.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Two parallel lines used on Spiralock® products only. (Spiralock® products have a patented thread form).</td>
</tr>
<tr>
<td>Microdot, Inc</td>
<td>431 Stephenson Highway Troy, MI 48083</td>
<td>K symbol used on sheet metal or stamped products.</td>
</tr>
<tr>
<td>Microdot Industrial Fastening Systems Group</td>
<td>3001 PO Box Fullerton, CA 92634-3001</td>
<td>K symbol used on sheet metal or stamped products.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stylized K symbol used on forged or foreign products.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Two parallel lines used on Spiralock® products only. (Spiralock® products have a patented thread form).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Special K symbol marking used on metric products.</td>
</tr>
<tr>
<td>Micro Plastics, Inc</td>
<td>Highway 178 N Flippin, AR 72634</td>
<td>MP</td>
</tr>
<tr>
<td>Micro Plastics, Inc</td>
<td>Highway 178 N Flippin, AR 72634</td>
<td>MAA</td>
</tr>
<tr>
<td>MNP Corporation</td>
<td>44225 Utica Rd Utica, MI 48087</td>
<td>MNP FASTENERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIGHLAND BOLT &amp; NUT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SMALL SCREW</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MIDWEST FASTENING CO 313 N Johns St Amanda, OH 43102</td>
</tr>
<tr>
<td>Midwest Fastener Corp</td>
<td>665 W. Armory Dr S. Holland, IL 60473</td>
<td>MFC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Miniature Nut &amp; Screw Corp 436 Hartford Ave Newington, CT 06111</td>
</tr>
<tr>
<td>Midwest Fastener Corp</td>
<td>665 W. Armory Dr S. Holland, IL 60473</td>
<td>Missouri Alloy Stud Inc 2511 North Ninth St St Louis, MO 63102</td>
</tr>
<tr>
<td>Missouri Alloy Stud Inc</td>
<td>2511 North Ninth St St Louis, MO 63102</td>
<td>M8 studs</td>
</tr>
<tr>
<td>Missouri Alloy Stud Inc</td>
<td>2511 North Ninth St St Louis, MO 63102</td>
<td>MNP FASTENERS</td>
</tr>
<tr>
<td>National Fasteners Inc</td>
<td>7192 Patterson Dr Garden Grove, CA 92641</td>
<td>N</td>
</tr>
<tr>
<td>National Molding Corp</td>
<td>5 Dubon Court Farmingdale, NY 11735</td>
<td>National Fasteners Inc 7192 Patterson Dr Garden Grove, CA 92641</td>
</tr>
<tr>
<td>National Rivet &amp; Mfg Co</td>
<td>21 E. Jefferson St Waupun, WI 53963</td>
<td>No standard mark.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nelson Stud Welding Div TRW Assemblies &amp; Fasteners Group E 28th and Toledo Ave Lorain, OH 44055</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VIKING FASTENERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Raised letter on a depressed pad for stud welded fasteners.</td>
</tr>
</tbody>
</table>
New England Bolt Corp
9 Charton St
Everett, MA 02149

N.E.B.

N.J. Rivet Co
1785 Haddon Ave
Camden, NJ 08103

No standard mark.

Non-Ferrous Bolt & Mig Co
4085 Newko Dr Suite C
Las Vegas, NV 89103

NF

Northwest Bolt & Nut Co
4250 Eighth Ave NW
Seattle, WA 98107

Y

Nova Machine Products Corporation
PO Box 30287
Middleburg Hts, OH 44130

N

Nucor Fastener
PO Box 6100, CR 60
St Joe, IN 46785

Standard fastener products

Nuts Incorporated
Route 724 & 23
Phoenixville, PA 19460

N

Nylofin Aerospace
1161 E. Sandhill Ave, #D
Carson, CA 90746

NK

Nylok Fastener Corporation
800 W University — Suite E
Rochester, MI 48063

NK

Nylosha Industries, Inc
6949 N. Hamlin
Chicago, IL 60645

Orange color nylon collar-insert identifies Nylosha as locknut manufacturer.

Ohio Nut & Bolt Co Division of Fastener Industries, Inc
33 First Avenue
Berea, OH 44017

O Small raised mark usually on underside of head.

Olympic Fastening Systems, Inc
11445 Dolan Ave
Downey, CA 90241

(indented circle)

Omark Industries Precision Fastening Subsidiary
1415 E Grand Ave
El Segundo, CA 90245

CM

Opus Ferrum
465 Signet Dr
Weston, Ontario,
Canada M9L 1V5


Parker Brass
300 Parker Dr
Otsego, MI 49078

Forgings.

Extruded bodies & nuts.

Air brake nuts.

Parker-Kalon
395 Roberts Rd
Campbellsville, KY 42718

Tapping screws

Non Countersunk Heads

Countersunk Heads

12 Impressed Triangles

6 Impressed Triangles

Hexagon Heads

Slotted drive

Cross recessed drive

Hardened masonry nails.

Patterson Industries Inc
Acimet Div
PO Box 1069
East Liverpool, OH 43920

A

Patterson Lake Products
PO Box 200
Pinckney, MI 48169

H. Paulin & Co Ltd
55 Milne Ave
Scarborough, Ontario,
Canada M1L 4N3

PB Fasteners
1700 W 132nd St
Gardena, CA 90249

PB

This identification precedes part number.

Pearson Fastener Corporation
1400 Samuelson Rd
Rockford, IL 61109

F

Peerless Industries
2800 Tyler Rd
Ypsilanti, MI 48197

P

Tube nuts

All other
SPS Technologies
Route 332
Newtown, PA 18940
The following characters (used alone or in combination with other digits/letters which designate material, size, strength grade or part number) indicate SPS as manufacturing source:

C  K  U
CCS K-5673 U130
EWB KS UNBRAKO
EWN S UNW
FNF SPS 56678
Hi PSI TJB 71938
Hi Ti TM9 80539
For "inch" socket head cap screws

---

Standco Industries, Inc
2701 Clinton Dr
Houston, TX 77020

SC or S

Stanley Hardware
367 Victoria St
New Hamburg, Ontario,
Canada NOB 2G0

No standard mark.

Star Expansion Company
Pleasant Hill Rd
Mountainville, NY 10953

☆ STAR

Star Heel Plate
187 Christie St
Newark, NJ 07105

Positive lock nut.

Steel City Bolt & Screw, Inc
PO Box 1747
Birmingham, AL 35201

SCB

Stelco Fastener and Forging Company
1250 Appleby Line
Burlington, Ontario,
Canada L7L 5G6

Bolts, including metric

Stillwater Fasteners, Inc
PO Box 128
East Freetown, MA 02717

SAE Gr 5
hex nuts
SAE Gr 8
hex nuts

E
Some nuts to designate
Swansea Works as originator.

S
Used on some like parts to
distinguish from other like parts
for sorting at Swansea Works.

Small square dot on parts too
small to accommodate dog
bone symbol.

Metric hex nuts and certain inch types

Grade B

Grade C

Conelok

Conelok — Bearing Surface

Class 5

Class 9

Class 10

St Louis Screw & Bolt Co
6900 N Broadway
St Louis, MO 63147

SL

Studwelding Systems Inc
15326 Proctor Ave
Industry, CA 91745

No standard mark.

Supreme Automotive Mfg
1149 McDonald Ave
Brooklyn, NY 11230

S

TEBCO Threaded Fasteners
Division of Tennessee Bolt & Screw
2700 Summer Ave
Memphis, TN 38112


TE-CO
109 Quinter Farm Rd
Union, OH 45322


Terry Machine Co
5331 Dixie Hwy
Waterford, MI 48095

New Products

Texas Bolt Company
3233 West 11th Street
Houston, TX 77008

TB
Headed bolts

T
Nuts & studs

TEXAS BOLT
Used on some A325 structural bolts.
Signifies standard bolts: MS, NAS, etc. as manufactured by the Screwcorp Manufacturing Facility.

Vulcan Rivet & Bolt Corp
PO Box 170129
Birmingham, AL 35217

Plant
1020 Pinson Valley Pkwy
Tarrant, AL 35217

V.

All fasteners marked with the letter "V" followed by a period (.)

V.

Fasteners manufactured from special alloy steels are identified with the letter "V" followed by a period (.) and a line under the letter "V"

304 V.

Stainless steel fasteners are marked with the letter "V" followed by a period (.) with the type of stainless

Wales Beech Corporation
4814 American Rd
Rockford, IL 61109

WB

Walker Bolt Mfg Co, Inc
PO Box 38502
Houston, TX 77238

WB

Warren Bolt & Screw Division
14325 E. Nine Mile Rd
Warren, MI 48089

For all headed products.

Warren Fastenings Corp
121 Hudson St
New York, NY 10013

WF

Wayne Bolt & Nut Co
14471 Livernois Ave
Detroit, MI 48238

West Coast Aerospace, Inc
812 Miraflora Ave
San Pedro, CA 90731

Westland Steel Products Ltd
PO Box 1052
Winnipeg, Manitoba,
Canada R3C 2X4

WC or W

Western Canada Steel Ltd
Fastener Division
450 S.E. Marine Dr
Vancouver, BC
Canada V5X 2T2

Whittet-Higgins Co
33 Higginson Avenue
Central Falls, RI 02863

Whitney Screw Corp
14A Broad St
Nashua, NH 03061

Western Washer Mfg, Inc
2100 South Bay St
Milwaukee, WI 53207

ASTM F436 Type 1
Structural Washer

ASTM F436 Type 3
Structural Washer

Used for low carbon washers only at customer request.

Xact Products, Inc
11530 Brooklyn Rd
Brooklyn, MI 49230

X in a circle.

Yardley Products Corp
10 W. College Ave
Yardley, PA 19068

No standard mark

This IFI-122 document lists manufacturer identification head markings for over 400 North American fastener producers. Companies not yet included in this compilation are kindly requested to send their head marks for future inclusion to: Industrial Fasteners Institute, 1505 East Ohio Building, Cleveland, OH 44114.