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MILITARY HANDBOOK

LISTING OF FASTENER MANUFACTURERS' IDENTIFICATION SYMBOLS



MIL-HDBK-57B(IS)

**DEPARTMENT OF DEFENSE
WASHINGTON, D.C. 20301**

Listing of Fastener Manufacturers' Identification Symbols

MIL-HDBK-57B(IS)

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2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Defense Industrial Supply Center, ATTN: DISC-ESA, 700 Robbins Ave., Philadelphia, PA 19111-5096, by using the self addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document, or by letter.
3. Copies of this Military Handbook may be obtained from Naval Publications and Forms Center (NPFC), Code 1032, 5801 Tabor Road, Philadelphia, PA 19120, PH. # (215) 697-1187.

FOREWORD

This handbook is a compilation of the identifying symbols of fastener manufacturers as provided by the manufacturers themselves. This issue contains the names, addresses, and the symbols of all fastener manufacturers whose identifying symbols were received by August 31, 1990. For the purpose of this handbook, manufacturer is defined as the source which substantially makes the supplies, either by hand or machinery out of raw materials. Fasteners, as defined for the purpose of this handbook, refer to those threaded items included in Federal Stock Code (FSC) 5305 - Screws, 5306 - Bolts, 5307 - Studs and 5310 - Nuts. As additional manufacturers submit their markings, the handbook will be updated.

All requests to be listed in the handbook shall be addressed to:

Defense Industrial Supply Center
Attention: DISC-ESA
700 Robbins Avenue
Philadelphia, PA 19111-5096
USA

In addition to the alphabetic index of manufacturers (Index A), this revision of the handbook incorporates a listing of manufacturers indexed by their identification symbol (Index B).

At the back of this handbook is Registration Form FL-207. Manufacturers wishing to be listed must complete this form and return it to DISC. The submittal must be accompanied by a reproducible copy of the symbol used on the fastener. All submittals must be in the English language.

DISC does not "approve", "rate", or "endorse" any item, construction, proprietary device, or activity.

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DISC reserves the right to monitor this document to ensure that it contains the listing of only bona-fide fastener manufacturers.

DISC has solicited the assistance of the Defense Contract Administration Services (DCAS) and the Defense Contract Management Command International (DCMCI) in an effort to identify non-manufacturers and remove them from the manufacturers' listing. DCAS/DCMCI's evaluation of a company's status is based on an inhouse capability to manufacture fasteners (screws, bolts, studs and nuts), with respect to space, equipment and trained personnel. On an on-going basis, any company identified by DCAS/DCMCI as a non-manufacturer will be removed from the manufacturers' database and MIL-HDBK-57A(IS).

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
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




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







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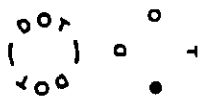

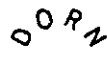


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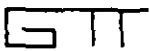

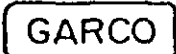
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





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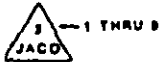






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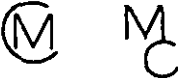





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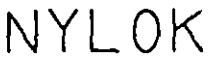





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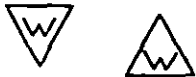




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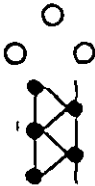











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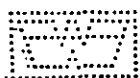
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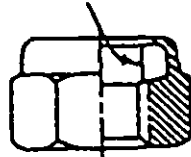

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LOGO	MIL-HDBK-57B(1S)	MANUFACTURER	PAGE
		INDUSTRIAL FASTENERS CORP.	50
		INDUSTRIAL FASTENERS CORP.	50
		LEWIS SCREW CO.	59
		MACLEAN-FOGG CO.	62
		LINREAD PUBLIC LIMITED CO.	59,60
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		MICRODOT, INC.	67
		MICRODOT, INC.	67
		PIONEER SCREW & NUT CO.	79
SEE PAGES		RB & W CORP.	84,85
		ROCKFORD PRODUCTS CORP.	87
		BOULONNERIE DE THIA NT	98,99
		SOUTHERN FASTENING SYSTEMS	92
SEE PAGES		STELCO FASTENER & FORGING CO.	94,95
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MIL-HDBK-57B(1S)		
<u>LOGO</u>	<u>MANUFACTURER</u>	<u>PAGE</u>
CATEGORY - NUMBERS		
1ST	FIRST AMERICAN SALES CO.	38
1EM77	GS AEROSPACE TECH, INC.	43
F87	BOULONNERIE DE THIA NT	98,99
887	BOULONNERIE DE THIA NT	98,99
MFR06320	PYE & HOGAN MACHINE CO.	82
05141	MCMELLON BROS., INC.	65
15077	NORTHBRIDGE FASTENERS	72
20733	NORTHBRIDGE FASTENERS	72
3D531	JEFFREY ALAN MFG. & ENGR.	5
30633	C & H MFG. CO., INC.	20
32219	NORTHBRIDGE FASTENERS	72
4J952	GENERAL AVIATION MFG., INC.	41
4J976	REGAL AIR, INC.	85
4N133	CHATHAM PRECISION, INC.	25
5T572	NORTHBRIDGE FASTENERS	72
54878	ROTAIR INDUSTRIES, INC.	88
56878	SPS TECHNOLOGIES	93

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60529	STERLING MFG. & SUPPLY CO.	95
61062	COMET MFG. CO., INC.	26
71838	SPS TECHNOLOGIES	93
80539	SPS TECHNOLOGIES	93
84256 [Ⓐ]	AVIBANK CO.	11
8M938	PRODUCTS DESIGN & MFG. CORP.	82
8F781	STEVENS MFG. CO., INC.	96

MIL-HDBK-57B(1S)**LISTINGS**

<p>A & G ENGINEERING CO. II INC. 4640 East LaPalma Anaheim, CA 92807</p> 	<p>A & W SCREW MACHINE PRODUCTS, INC. 1504 Columbia Avenue Unit #1 Riverside, CA 92507</p> 
<p>A & N PRECISION INDUSTRIES 65 First Street New Rochelle, NY 10801-6118</p> 	<p>ABBOTT-INTERFAST CORP. 190 Abbott Drive Wheeling, IL 60090</p> <p>Yellow nylon insert identifies Abbott-Interfast Corp. as manufacturer.</p> 
<p>A & R MFG CO., INC. P.O. Box 241 South Windsor CT 06074-203</p> <p>Plant - 1281 John Fitch Blvd. South Windsor CT 06074</p> 	<p>PETER ABBOTT & CO. (AEROSPACE) 1982 LTD. 6 Repton Close Burnt Mills Basildon, Essex SS13 1LE GREAT BRITAIN</p> <p>PAM PAM PAM</p>

MIL-HDBK-57B(1S)

ACCUFORM, INC.
Bus. Hwy 36 West
P.O. Box 307
Macon, MO 63552



ACCURATE AUTOMATIC PARTS INC.
2885 S. 163rd Street
New Berlin, WI 53151

AP

ACCURATE PRECISION FASTENERS CORP.
20 Honeck Street
Englewood, NJ 07631

A

ACCURATE THREADED FASTENERS, INC.
3550 West Pratt Avenue
Lincolnwood, IL 60645



ACE GRINDING & MFG. OF TEXAS
3612-N South Cooper
Arlington, TX

Plant
ACE GRINDING & MFG. CO.
4937 E. Slauson
Maywood, CA 90270

AGC

AGM










ACE PRECISION INDUSTRIES, INC.
850 Noe Drive
Akron, OH 44310



ACI
P. O. Box 398
Ottawa, KS 66067



MIL-HDBK-57B(1S)

<p>ACME MACHINE PRODUCTS 500 South Varney Street Burbank, CA 91502</p> <p> Lower case "a" inside circle 1/16 in. dia.</p>	<p>AERO ENGINEERING AND MANUFACTURING CO. P. O. Box 3985 Glendale, CA 91201-0985</p> <p><i>Plant</i> 6655 San Fernando Road Glendale, CA 91201-0985</p> <p></p>
<p>ADAMS, EARL M. CO. Peck Hill Rd. Johnston, RI 02919-4599</p> <p> </p>	<p>AEROFAST SUPPLY 479 West 6th Street San Pedro, CA 90731</p> <p></p>
<p>ADC INC. 17528 Studebaker Road Cerritos, CA 90701</p> <p></p>	<p>AEROQUIP CORPORATION Aerospace Division 300 S. East Avenue Jackson, Michigan 49203</p> <p></p>
<p>AERO COMPONENTS CO. 419 West Fork Dr. P.O. Box 120157 Arlington, TX 76012</p> <p></p>	<p>AEROSPACE MANUFACTURING INC. P. O. Box 941 Lodi, NJ 07644</p> <p><i>Plant</i> 55 Contant Avenue Lodi, NJ 07644</p> <p></p>

MIL-HDBK-57B(15)

AEROSTAR FASTENER CORP.
P.O. Box 2201
Palestine, TX 75802

Plant
712 W. Lacy St.
Palestine, TX 75801



AIRCRAFT ENGINEERING PRODUCTS, INC.
2 Ackerman Avenue
Clifton, NJ 07011

AEP AEP

AIRCRAFT FUELSEAL FASTENERS, INC.
Aerotite Blind Rivet Division
5271 Argosy Avenue
Huntington Beach, CA 92649

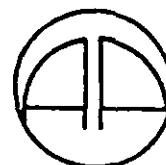


AFI INDUSTRIES, INC.
P. O. Box 88060
Carol Stream, IL 60188

Plant
475 East Kehoe Boulevard
Carol Stream, IL 60188



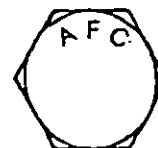
AIRDROME PARTS CO.
3251 Airport Way
Long Beach, CA 90806



AIR-COM, INC.
18105 S. Hobart Blvd.
Gardena, CA 90248-3617

AIR-CO
1945
/ NC.

AIRFASCO, INC.
207 Schneider Road S. E.
North Canton, OH 44720



MIL-HDBK-57B(1S)

<p>AIR INDUSTRIES CORP. 12570 Knott Street Garden Grove, CA 92641</p> <p><i>A</i></p>	<p>ALBAR MACHINE CORPORATION RD 2, Box 2463 Effort, PA 18330</p> <p>AMC</p>
<p>ALCO MACHINE CO. 227 Greylock Parkway Belleville, NJ 07109</p> <p>A-1</p>	<p>ALLFAST FASTENING SYSTEMS, INC. P.O. Box 3166 City of Industry, CA 91745-1098</p> <p>Plant 15200 Don Julian Road City of Industry, CA 91745-1098</p> <p><i>A</i></p>
<p>ALAN, JEFFREY, MFG. & ENGR. 8625 Lapeer Road P.O. Box #8 Goodells, MI 48027-0008</p> <p>3D531</p>	<p>ALLIED PRECISION PRODUCTS, INC. 600 San Christopher Drive Dunedin, FL 34698-5098</p> <p>APP</p>

MIL-HDBK-57B(1S)

ALL-POWER MFG. CO.
13141 Molette Street
Santa Fe Springs, CA 90670-5500

AP

ALL-PRO FASTENER & RIVET MFG. CO.
P.O. Box 1525
Rancho Cucamonga, CA 91730

Plant
10406 Enterprise St.
Rancho Cucamonga, CA 91730

AP

ALL-STATES INC.
1801 West Foster Avenue
Chicago, IL 60640



ALL-STATES LOGO



ALL-STATES
IDENTIFICATION MARK

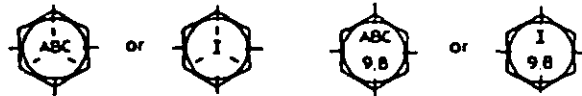
AS ALL-STATES

ALL-STATES
SIGNATURE

ALL-STATES

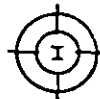
ALL-STATES
ABBREVIATED SIGNATURE

ALPHA BOLT CO.
1524 East 14 Mile Road
Madison Heights, MI 48071

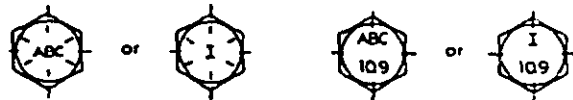


GRADE 5 BOLT

PROPERTY CLASS 9.8
METRIC BOLTS



Roman numeral "I" shown on special bolts



GRADE 8 BOLT

PROPERTY CLASS 10.9
METRIC BOLTS

ALPINE MACHINE & TOOL CORP.
42 Bergenline Ave.
Westwood, NJ 07675

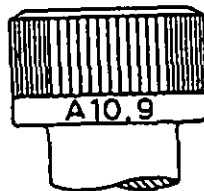
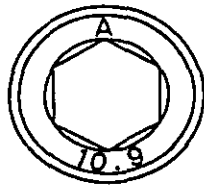
AMT-I

AMTxxxx-xxxx



MIL-HDBK-57B(1S)

ALPS SEIKO CO., LTD.
41 Higashi-Kanae, Kanae
Iida-Sbi, Nagano-Ken



AMCO TOOL & DIE CO., INC.
110 W. Turbo Dr.
San Antonio, TX 78216



AMERICAN ELECTRIC
Construction Materials Group
1555 Lynnfield Road
Memphis, TN 38119

Plant
Route 1, Congress Pkwy.
Athens, TN 37303

Plant
8735 Hamilton Road
Southhaven, MS 38671



AMANDA BENT BOLT CO.
P.O. Box 1027
Logan, OH 43138-4027

Plant
1120 C.I.C. Drive
Logan, OH 43138



AMERICAN-MONARCH CORP.
5900 Park Avenue
Cleveland, OH 44105

AM

AMATOM ELECTRONIC HARDWARE
(Division of Quincy Technologies, Inc.)
446 Blake Street
New Haven, CT 06515

A
M
A
T
O
M

AMATOM

AMERICAN QUALITY INDUSTRIES
Fastener Division
35 Thomas Street
East Hartford, CT 06108







GRADE 8 BOLT



GRADE 5 BOLT

MIL-HDBK-57B(1S)

<p>AMERIFAST, CORP. 355 Dalziel Road Linden, NJ 07036</p> <p style="text-align: center;">A</p> <p>The letter "A" is placed in one chamfered corner on one side of the nut.</p>	<p>ANILLO INDUSTRIES, INC. P. O. Box 5586 Orange, CA 92613-5586</p> <p><i>Plant</i> 2090 North Glassell Street Orange, CA 92665-3391</p> 
<p>ANATASE PRODUCTS P.O. Box 271 Tehachapi, CA 93581</p> <p><i>Plant</i> 1314-C Goodrick Dr. Tehachapi, CA 93561</p> 	<p>APCOA FASTENERS INC. Aerospace Products Company Aerospace Engine Parts Group P.O. Box 796 Indianapolis, IN 46206-0796</p> <p><i>Plant</i> 123 North Pine Street Indianapolis, IN 46202</p> <p style="text-align: center;">AP</p>
<p>ANDERSON FORGE & MACHINE 18500 S. W. Pacific Highway Sherwood, OR 97140-9148</p> 	<p>APEL LTD. Countess Avenue, Stanley Green Trading Estate, Cheadle Hulme, Cheshire SK8 6QU GREAT BRITAIN</p> 

MIL-HDBK-57B(1S)

APEX MFG. CO., INC.
P.O. Box 9369
N. Hollywood, CA 91609

Plant
7358 Radford Ave.
N. Hollywood, CA 91605

Am

ARCO SALES CO.
2211 Wakeling Street
Philadelphia, PA 19137-1299

ASC

Radial marking

ASC

Straight marking

ARDOR MFG. INC.
400 S. 1100 W.
Provo, UT 84601



ARMSTRONG ATLAS BOLT (Darlaston)
P. O. Box 6, Station Street
Darlaston, West Midlands WS10 8UL
GREAT BRITAIN



ARMSTRONG FASTENING SYSTEMS
Clough Road
Hull HU6 7PR
GREAT BRITAIN



Symbol may
be depressed
or raised

L. & C. ARNOLD GmbH
Schraubenfabrik Ernsbach
Sindringer Strasse
7119 Forchtenberg-Ernsbach
FEDERAL REPUBLIC OF GERMANY

A

MIL-HDBK-57B(1S)

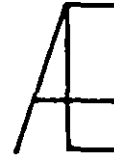
ARVAN, INC.
1520 W. 139th Street
Gardena, CA 90249

ARVAN, INC.

TANSEY

A/I

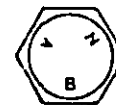
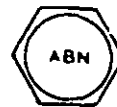
ATLAS ENGINEERING, INC.
173 Osceola Ave.
Tallmadge, OH 44278-2700



ASAHI SCREWS MANUFACTURING CO.,
LTD.
101 Kawamata
Higashiosaka
JAPAN

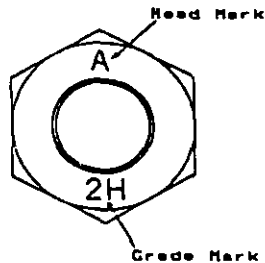


AUTO BOLT AND NUT CO.
4619 Perkins Avenue
Cleveland, OH 44103



ASAI TEKKO CO., LTD.
2-14 Tajika Shodai
Hirakata-shi Osaka
573 JAPAN

A



AUTO SCREW, INC.
Lynbrook Rd. & Eastern Blvd.
P.O. Box 4968
Baltimore, MD 21220



MIL-HDBK-57B(1S)

AUTOMATED MANUFACTURING
11265 Goodnight Ln. #1024
Dallas, TX 75229

AM

**AUTOMATIC SCREW MACHINE
PRODUCTS CO.**
P. O. Box 1608
Decatur, AL 35602

Plant
709 2nd Avenue SE
Decatur, AL 35601

PLAIN:



AD

SLOTTED:



OR



AD

DRILLED:



AD

The letters AD on top or hex flat surfaces may be continuous markings if on hex flat; may be depressed or raised.

AVDEL INTERNATIONAL
Avdel Ltd.,
Mundells, Welwyn Garden City
Hertfordshire AL7 1EZ
GREAT BRITAIN

U.S. Plant
Avdel, Division of N.I.I.
50 Lackawanna Avenue
Parsippany, NJ 07054



AVIBANK MANUFACTURING, INC.
P. O. Box 391
Burbank, CA 91503

Plant
210 South Victory Boulevard
Burbank, CA 91503

ET ETC.

Structural panel fasteners

AVILOK®

Structural panel fastener



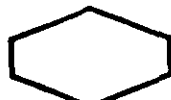
Rivet nut marking and other special products

"84256®"

Manufacturer's code

"HI-TORQUER®"

Manually operated placing tool



Special part markings and rivet nut marking

BALL-LOK®

Quick release pin

AVIBANK

Name of manufacturer — name marked on parts



Threaded insert



Threaded insert



Threaded insert



Threaded insert



Threaded insert



Threaded insert

MIL-HDBK-57B(1S)

AZTECH ENGINEERING, INC.
5020 Chase Ave.
Downers Grove, IL 60515



B & E MANUFACTURING CO., INC.
P. O. Box 2156
Garden Grove, CA 92642

Plant
7562 Orangewood Street
Stanton, CA 90680



B & B SPECIALTIES INC.
4321 E. LaPalma
Anaheim, CA 92807



Raised BB is for new manufactured parts.
Depressed BB is for old stock parts.

B & G MANUFACTURING CO., INC.
P. O. Box 269
3067 Unionville Pike
Hatfield, PA 19440



or



Grade 5

JB7 Grade B7
JB16 Grade B16
JNC Alloy 400

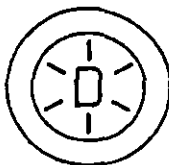


Alloy 500

J4 Grade 4
J2H Grade 2H

B & D THREAD ROLLING, INC.
P.O. Box 275
Wayne, MI 48184

Plant
36820 Van Born Rd.



B & N TOOL CO., INC.
151 John Downey Drive
New Britain, CT 06051



MIL-HDBK-57B(1S)

BARCAR FASTENING PRODUCTS (Division
of McHugh Screw Inc.)
P. O. Box 1381
Willow Grove, PA 19090



BAUER & SCHAURTE KARCHER GmbH
Furthcr Strasse 24 - 26
Postfach 10 01 55
D-4040 Neuss 1
FEDERAL REPUBLIC OF GERMANY

 **INBUS®**

VERBUS® KARRO®

BARCO ENGINEERING COMPANY, INC.
P.O. Box 328
Tilton, NH 03276



BBC FASTENERS, INC.
4210 Shirley Lane
Alsip, IL 60658



BARRE AEROSPACE PRODUCTS, INC.
199 Hop River Road Rte 6
Bolton, CT 06043



MIL-HDBK-57B(1S)

BEAVER PRODUCTS CORP.
P.O. Box 17279
Anaheim, CA 92817-7279

Plant
1080 North Shepard Street
Unit D
Anaheim, CA 92806

B.P.C.

BEC MACHINE PRODUCTS COMPANY
171 Ruth Rd.
Harleysville, PA 19438

BEC

BEK LEVEL 1 FASTENERS
721 East Compton Boulevard
Compton, CA 90220-1190



BELL FASTENERS
Albany Fasteners/Pawtucket Fastener Division
327 Pine Street
Pawtucket, RI 02862

Stillwater Plant

S

STILLWATER

B

BELL

PMC

PAWTUCKET MANUFACTURING CO.

P

PAWTUCKET

A

ALBANY

SW

On top of screws

• •

(two dots) On the top of or bearing surface
of the screw

BELL-MEMPHIS, INC.
P. O. Box 13187
1650 Channel Avenue
Memphis, TN 38113



MIL-HDBK-57B(1S)

BELL PRECISION, INC.
131 N. Dillor Ave.
San Jacinto, CA 92383-3909

BP

BEOTOOL CORP.
201 W. Clymer Ave.
Sellersville, PA 18960

BOT

RICHARD BERGNER GmbH & CO.
Bahnhofstrasse 8 - 16
P. O. Box 1180
D - 8540 Schwabach
FEDERAL REPUBLIC OF GERMANY



RIBE

Where required and applicable, these fasteners types are also marked with the logo "RIBE" and/or capital "B" with screw in circle.

RIBE *multiform*

RIBE *kumbr*

RIBE *triform*

RIBE *triformed*

RIBE *plastoform*

RIBE *spenform*

BETA CORP.
2340 South Delaware Street
Denver, CO 80223



BETA ENGINEERING, INC.
P.O. Box 80
Arlington, TX 76010

Plant
602 E. South Street
Arlington, TX 76010



J. GEORG BIERBACH
Werdohler Strasse 23
D-5990-Altena
FEDERAL REPUBLIC OF GERMANY

GEBI

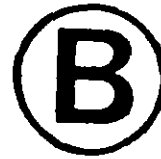


MIL-HDBK-57B(1S)

BINTCLIFFE TURNER LTD.
Cramptons Road
Sevenoaks
Kent TN14 5DS
GREAT BRITAIN



BLANC AIRCRAFT FASTENERS, INC.
12691 Footbill Blvd.
Sylmar, CA 91342-5393



BAF

BLAINE TOOL CORP.
3730 East 10th Street
P. O. Box 11001
Indianapolis, IN 46201



THE BLAND CO.
55 Brook Street
West Hartford, CT 06110

BL

BLANC AERO INDUSTRIES
15, rue Lasson
75012 Paris
FRANCE

Saint Chamond Granat (Subsidiary of B.A.I.)
18,20, rue St.Hilaire
95310 Saint Ouen L'Aumone
FRANCE

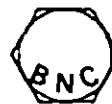
T

DeColletage General Moderne
5 bis, PLACE LEON BLUM
75020 - PARIS
FRANCE

DDG

THE BOLT & NUT CO. (TIPTON) LTD.
Park Lane East
Tipton, West Midlands DY4 8RF
GREAT BRITAIN

Samuel Marsden & Son
Wellington Road
Ashton Under Lyne, Lancashire OL6 7EG
GREAT BRITAIN



THE BOLT AND
NUT COMPANY



SAMUEL MARSDEN
PLANT

MIL-HDBK-57B(IS)

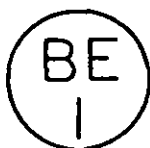
BOLT FASTENER STUD/TECHNOLOGY
 210 East Avenue L
 Lancaster, CA 93535-4616



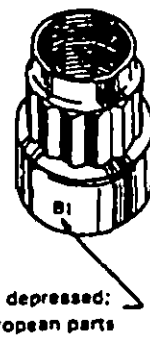
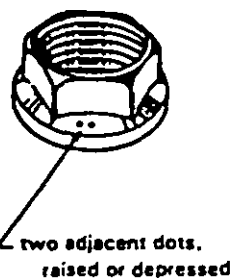
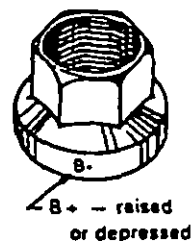
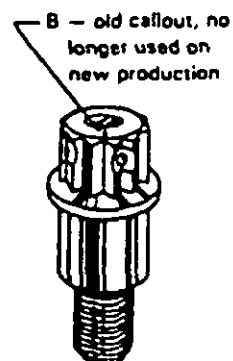
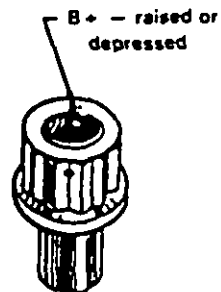
BRIARWOOD FASTENERS, INC.
 9701 Owensmouth Ave.
 Unit 8
 Chatsworth, CA 91311

BFI

BOMAR ENGINEERING, INC.
 12029 Vose Street
 N. Hollywood, CA 91605



BRISTOL INDUSTRIES
 630 East Lambert Road
 Brea, CA 92621-4119



BRACALENTE MANUFACTURING CO. INC.
 P. O. Box 570 West Creamery Road
 Trumbauersville, PA 18970

Plant
 West Creamery Road
 Trumbauersville, PA 18970

BMC INC.

BRANCH MACHINE PARTS, INC.
 2419 Empire Avenue
 Burbank, CA 91504



MIL-HDBK-57B(1S)

BRISTOL LOCKNUT CO.
Nut Division
32451 N. Avis Drive
Madison Heights, MI 48071

//

Screw Division
630 E. Lambert Rd.
Brea, CA 92622

A+

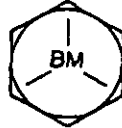
EBERHARD BRÜNINGHAUS
Postfach 12 06
Im Duda 2
D 5982 Neuenrade
FEDERAL REPUBLIC OF GERMANY



EBM

BRUNNER DRILLING & MFG. CO., INC
P.O. Box 137
Elroy, WI 53929

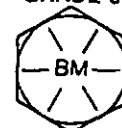
GRADE 5



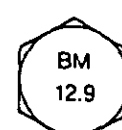
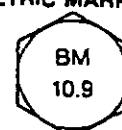
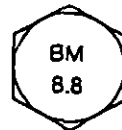
GRADE 8



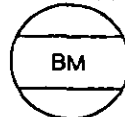
GRADE 8



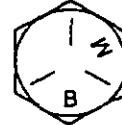
METRIC MARKING



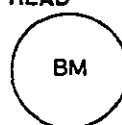
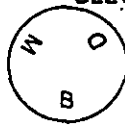
HITCH PIN



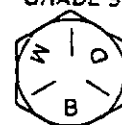
GRADE 5



SAE J1102

ROUND, FLAT, OR
CLEVIS PIN HEAD

GRADE 5



BUCKEYE FORGE, INC.
5171 East 71 Street
Cleveland, OH 44125



BUFFALO PUMPS, INC.
Subsidiary of Ampco-Pittsburgh Corp.
874 Oliver Street
North Tonawanda, NY 14120

BP

MIL-HDBK-57B(IS)

BULA FORGE, INC.
2987 E. 87th St.
Cleveland, OH 44104

BULA

BURROWES RESEARCH MACHINING, INC.
43 Bradford Street
P.O. Box 1130
Concord, MA 01742

BRM

BULTEN AB
Box 516
734 01 Hallstahammar
SWEDEN

Bulten Stainless AB
Åshammar Works
810 25 Åshammar
SWEDEN

Bulten Stainless AB
Svartå Works
710 11 Svartå
SWEDEN

BH

BULTEN AB

BUFO

BULTEN AB

SÅ

BULTEN STAINLESS AB

BUSAN INDUSTRIAL MACHINERY CO., LTD.

Bolt Division
456-9, Nae-Dong, Changwon
Kyeongsangnam-Do
REPUBLIC OF KOREA

BM

BIM

MIL-HDBK-57B(1S)

BUTECH PRESSURE SYSTEMS
4928 Pittsburgh Ave.
Erie, PA 16509

BPS

C & H MFG., INC.
10767 Monte Vista Ave.
Ontario, CA 91762

30633

BUTLER, INC.
1600 West 166th Street
Gardena, CA 90247

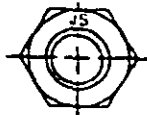
JB

CALIFORNIA SCREW PRODUCTS CORP.
P. O. Box 228
Paramount, CA 90723

Plant
14957 Gwenchris Avenue
Paramount, CA 90723

B. V. FABRIEK VAN KLINKNAGELS EN
SCHROEFBOUTEN V/H JOH. SMIT
P. O. Box 4075
2980 GB Ridderkerk
THE NETHERLANDS

Plant
Ringdijk 400
2983 GS Ridderkerk
THE NETHERLANDS



Hot forged nuts to all international standards; sizes 1/2 in.
(M12) - 4 in. (M100) blanks for lock nuts.

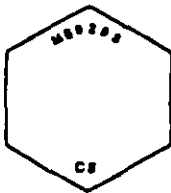
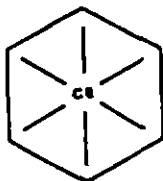
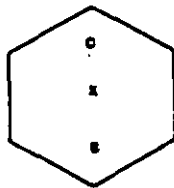
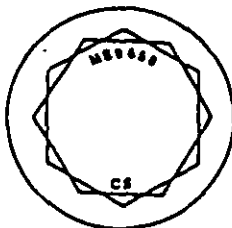
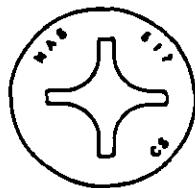
Low/medium carbon steel
Low/medium alloy steel

CS

C S

(CONT'D)

MIL-HDBK-57B(1S)

CALIFORNIA SCREW PRODUCTS CORP.
(CONT'D)HEX. HEADHEX. HEADHEX. HEADTWELVE POINTS

FLAT HEAD
PAN HEAD
ROUND HEAD
(ALL TYPES OF RECESSES)

CAMBRIDGE SPECIALTY COMPANY, INC.
31 Cambridge Heights
P.O. Box 188
Kensington, CT 06037-2310



CAMCAR DIVISION OF TEXTRON INC.
600 18th Ave.
Rockford, IL 61101

Plant
Amsco Products
345 East Marshall Street
Wytheville, VA 24382

HEAD
MARKINGS

VENDOR IDENTIFICATION 'A' OR FOUR DOTS
RAISED OR DEPRESSED LOCATED AS SHOWN

UNDER HEAD
MARKINGS

VENDOR IDENTIFICATION, FOUR DOTS RADIALY LOCATED
AS SHOWN, DEPRESSED.

Plant
Drilltite Products
1301 Kerr Drive
Decorah, IA 52101



VENDOR IDENTIFICATION
4 IN-LINE DOTS, RAISED
OR DEPRESSED

VENDOR & CUSTOMER
IDENTIFICATION FOR
STAINLESS STEEL DRILL
SCREWS, RAISED OR
DEPRESSED.

HEAD
MARKINGS

VENDOR/PRODUCT IDENTIFICATION
RAISED OR DEPRESSED
IDENTIFIES CAMCAR SELF-DRILLING
FASTENER

UNDER HEAD
MARKINGS

VENDOR IDENTIFICATION, FOUR RADIAL DOTS OR
THREE EQUALLY SPACED RADIAL LINES, DEPRESSED

Plant
Raycarl Products
600 18th Ave.
Rockford, IL 61101

HEAD
MARKINGS

VENDOR IDENTIFICATION 'CAMCAR' OR FOUR
IN-LINE DOTS, RAISED OR DEPRESSED.

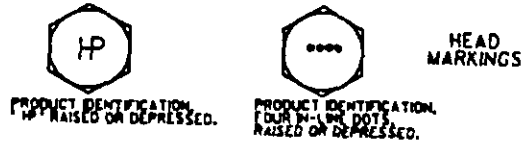
UNDER HEAD
MARKINGS

VENDOR IDENTIFICATION, FOUR RADIAL DOTS OR
THREE EQUALLY SPACED RADIAL LINES, DEPRESSED.

MIL-HDBK-57B(1S)

CAMCAR DIVISION OF TEXTRON INC.
(CONT'D)

Plant
Rockford Headed Products
4814 American Rd.
Rockford, IL 61109



Plant
Sems Products
1818 Christina St.
Rockford, IL 61104



PRODUCT TRADEMARK MARKINGS



Plant
Socket Screw Products
1302 Kerr Drive
Decorah, IA 52101



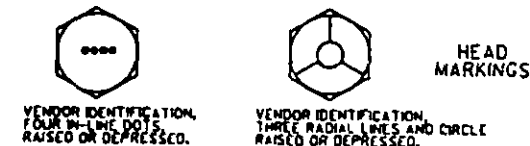
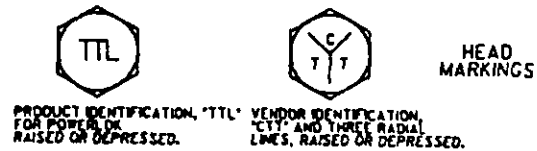
LETTERS 'TORX' PLUS TWO DOTS RAISED OR DEPRESSED ON RECESS COMPENSER, LOCATE AS ILLUSTRATED (PRODUCT TRADEMARK)

OPTIONAL IDENTIFICATION, 'CAMCAR' RAISED OR INDENTED, LOCATED AS ILLUSTRATED.

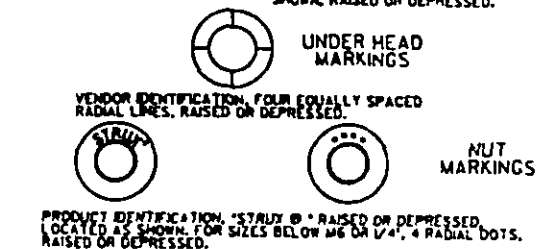
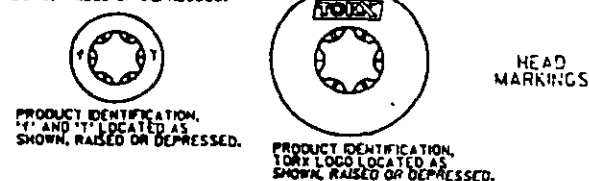
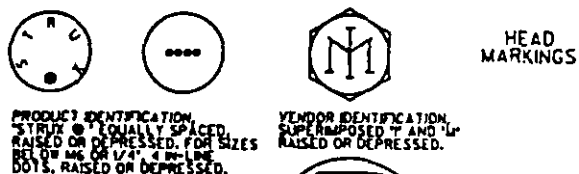
VENDOR IDENTIFICATION, FOUR RADIAL DOTS RAISED OR INDENTED, LOCATED AS ILLUSTRATED.

CAMCAR DIVISION OF TEXTRON INC.
(CONT'D)

Plant
Taptite Products
826 East Madison St.
Belvidere IL 61008



Plant
Torx Products
P.O. Box 607
Rochester, IN 46975



MIL-HDBK-57B(1S)

CAPRICE ENGINEERING CO., INC.
509 So. Hindry Ave.
Inglewood, CA 90301-2070



CARDINAL FASTENER & SPECIALTY CO.,
INC. (CONT'D)



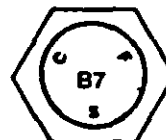
ASTM A325 TYPE III



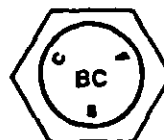
SAE J429 GR 5



ASTM A449



ASTM A193-B7



ASTM A354-BC



ASTM A307B

Area within circle is depressed,
with markings raised level with
head surface

CARDINAL FASTENER & SPECIALTY CO.,
INC.
5185 Richmond Road
Bedford Heights, OH 44146



ASTM A490



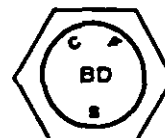
ASTM A490 TYPE III



SAE J429 GR 8



ASTM A354 BD
(1/4 in. through 1 1/2 in.)



ASTM A354 BD
(1 1/2 in. and over)



ASTM A325

CARDINAL INDUSTRIAL PRODUCTS, INC.
3873 West Oquendo
Las Vegas, NV 89118

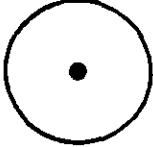


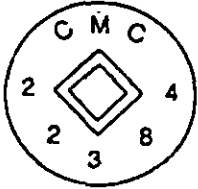




C

A capital "C" to be applied to all standard ASME/ASTM
bolting material.

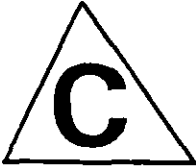
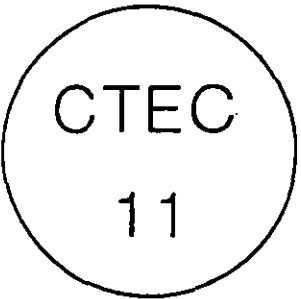

MULTI-C

The word "MULTI" followed by a capital "C" to be ap-
plied to all ASME bolts manufactured to Nuclear Standards
Associates or Cardinal Industrial Products, Inc. Standards.

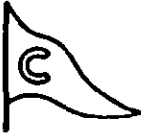



MIL-HDBK-57B(IS)

<p>CARR CO. The United Carr Div of TRW 31 Ames St. Cambridge, MA 02142</p> 	<p>CER-MAC INC. 971 Horsham Rd. Horsham, PA 19044</p> 
<p>CBS FASTENERS INC. 1345 North Brasher Street Anaheim, CA 92807</p> 	<p>CERNY MFG. CO. 4057 West 147th Street P.O. Box 489 Lawndale, CA 90260</p>  <p>CMC \diamond 22384.</p>
<p>CELTECH ENTERPRISE 1075 Nevada Street Long Beach, CA 90806-3429</p> 	<p>CHAMPION COMMERCIAL INDUSTRIES, INC. <i>Champion Rivet Division</i> P. O. Box 398 East Chicago, IN 46312-0398</p>  <p>Rivets only</p>
<p>CENTURY METAL PARTS CORP. 230 South Fehrway Bay Shore, NY 11706-1208</p> 	<p>CHANCE, A.B. COMPANY 210 N. Allen Street Centralia, MO 65240-1395</p> 

MIL-HDBK-57B(IS)

<p>CHANDLER PRODUCTS, INC. 1491 Chardon Road Cleveland, OH 44117-1598</p> <p>CP</p>	<p>CHIEF MFG., INC. 427 B. West Fork Drive Arlington, TX 76012</p> <p></p>
<p>CHATHAM PRECISION, INC. P.O. Box 510 Commerce St. Hinesburg, VT 05461</p> <p>4N133</p>	<p>CHRIS MACHINE CO., INC. 256 N. West St. Doylestown, PA 18901</p>
<p>CHEROKEE TOOL & ENGINEERING CO., INC. P.O. Box 227 Canton, GA 30114</p> <p></p>	<p></p>
<p>CHICAGO HARDWARE & FIXTURE CO. 9100 Park Lane Franklin Park, IL 60131</p> <p>CHF</p>	<p>CINCH - MONADNOCK 18301 Arenth Ave. City of Industry, CA 91749</p> <p>. (a dot)</p>

MIL-HDBK-57B(1S)

<p>COAST INDUSTRIAL SUPPLY CO., INC. 15959 Piuma Avenue Cerritos, CA 90701</p>  <p>On head of silicon bronze and aluminum hex head cap screws</p> <p>C</p> <p>On head of stainless steel, monel, brass, naval bronze, chrome alloy, hex head cap screws, and the end of alloy steel studs</p>	<p>COOPER POWER SYSTEMS McGraw Edison Power Systems North Burson Street East Stroudsburg, PA 18301</p> <p>M</p>
<p>COLD HEADING CO. 4600 Bellevue Detroit, MI 48207</p> 	<p>COPELAND MFG. CORP. James Division 11222 E. Pine St. Tulsa, OK 74116</p>  
<p>COMET MFG. CO., INC. 315 John Downey Drive New Britain, CT 06051-2907</p> <p>61062</p>	<p>CORPUS CHRISTI GASKET & FASTENER INC. P.O. Box 4074 Corpus Christi, TX 78414</p> <p>CCG</p>
<p>CO-OP SCREW-MANUFACTURING CORP. 60 Sindle Avenue Little Falls, NJ 07424</p> <p>C</p>	

MIL-HDBK-57B(1S)

CRESCENT MANUFACTURING CO.
P. O. Box 531
Unionville, CT 06085

Plant
700 George Washington Turnpike
Burlington, CT 06013



EDWARD W. DANIEL CO.
4049 St. Clair
Cleveland, OH 44103



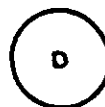
**CWR MANUFACTURING CO. (Division of
A. J. Murphy Co. Inc.)**
P. O. Box 2669
Syracuse, NY 13220

Plant
7000 Fly Road
Syracuse, NY 13220



DANIEL INDUSTRIES, INC.
Bolt & Gasket Division
P. O. Box 292
Houston, TX 77001-0292

Plant
725 North Drennan
Houston, TX 77003



STUDS



HEX NUTS

DACK INDUSTRIES, INC.
P. O. Box 393
Bristol, CT 06010

Plant
100 Broderick Road
Bristol, CT 06010



DAVIES PRECISION MACHINING, INC.
2400 Colebrook Rd.
Lebanon, PA 17042

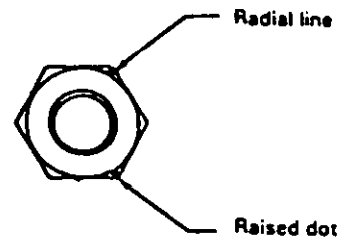
DPM

MIL-HDBK-57B(1S)

DAVIS AIRCRAFT PRODUCTS CO., INC.
1150 Walnut Avenue
Bohemia, NY 11716

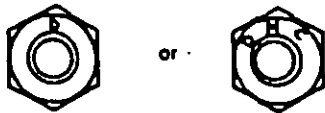


DECKER MANUFACTURING CORP. (CONT'D)

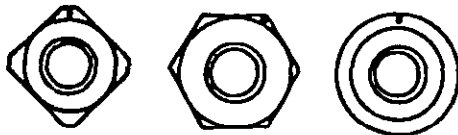


GRADE 5
HEX NUTS
(ONE RAISED RADIAL LINE 120 DEG.
COUNTERCLOCKWISE FROM ONE
RAISED DOT ON CHAMFER)

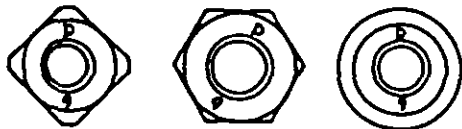
DECKER MANUFACTURING CORP.
703 North Clark Street
P. O. Box 410
Albion, MI 49224



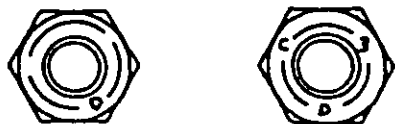
HEX WHEEL NUTS
(DEPRESSED)



AMERICAN STANDARD
SQUARE, HEX, AND ROUND WELD NUTS
(SMALL RAISED DOT ON CHAMFER)



METRIC
SQUARE, HEX, AND ROUND WELD NUTS
(DEPRESSED LETTER D AND CLASS NO.)



A-563
STRUCTURAL NUTS
(DEPRESSED)

DEERE & CO.
John Deere Harvester Works — Moline Fastener Division
John Deere Road
Moline, IL 61265-8098

*John Deere Harvester Works —
Moline Fastener Division*
501 3rd Avenue
Moline, IL 61265-1121



DEFENSE QUALITY MFG.
40 Sacco Road
Linfield, PA 19468-1030



DQ

MIL-HDBK-57B(1S)

DEHOUSSE (USINES)
64007 Pau,
FRANCE

D

DEL-VAL FASTENER MANUFACTURING
CO. INC.
105 Industrial Drive
Northampton Industrial Park
Ivyland, PA 18974

DV

DELL MFG. CO., INC.
Right Lane
Farmington, CT 06032



DEMAT
Zone Industrielle
B.P. 9
27190 Conches
FRANCE



DT M

DELTA MACHINE & TOOL CO., INC.
Parkmount Road
P.O. Box 351
Glen Riddle, PA 19037



DETROIT HEADING COMPANY
4651 Beaufait
Detroit, MI 48207

DEPENDABLE MACHINE CO., INC.
1846 E. 30th St.
Indianapolis, IN 46218



MIL-HDBK-57B(IS)

DEUTSCH FASTENER CORP.
 3969 Paramount Boulevard
 Lakewood, CA 90712-4193



DOMESTIC FORGING, INC.
 P.O. Box 693
 New Haven, MI 48048

Plant
 58181 Main St.
 New Haven, MI 48048

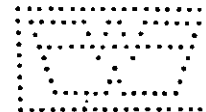


DIESEL PARTS COMPANY OF CALIFORNIA
 1900 East 12th Street
 Oakland, CA 94606



DRESSER INDUSTRIES, INC.
Dresser Pump Division
 270 Sheffield Street
 Mountainside, NJ 07092

Dresser Pump Division
 401 Worthington Avenue
 Harrison, NJ 07029



DIHARD COMPANY
 P.O. Box 50246
 Fort Worth, TX 76105

Plant
 6701 Brentwood Stair Rd.
 Fort Worth, TX 76112



D.S.O. PLASTICS, INC.
 1220 Rock St.
 Rockford, IL 61101

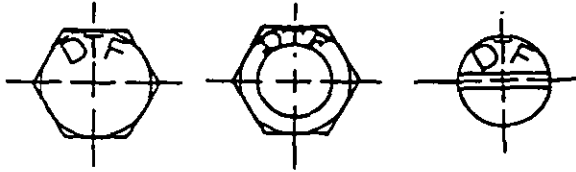


DO-ALL PRECISION, INC.
 9 Union Avenue
 Mount Vernon, NY 10550



MIL-HDBK-57B(1S)

DTF MANUFACTURING, INC.
Division of Federal Screw &
Supply Co.
146 Albany Ave.
Lindenhurst, NY 11757



Standard: DTF
Large Dia: DTF
DTF
Micro Dia: d

DUFFY ELECTRONICS & MFG. CO.
701 Seventh Avenue
Belmar, NJ 07719



DUNCAN INDUSTRIES, INC.
2900 Supply Ave.
Los Angeles, CA 90040



G. B. DuPONT CO., INC.
500 West Long Lake Road
Troy, MI 48098-4599



DUSEVOIR METAL PRODUCTS, INC.
1751 S. Telegraph Rd.
P.O. Box 2158
Dearborn, MI 48124



DUVE GmbH & CO. KG
P. O. Box 1240
D-5982 Neuenrade
FEDERAL REPUBLIC OF GERMANY

D

— All hexagon head screws and bolts
made of high tensile steel grade 8.8
up to 12.8, and sealing fasteners
made of case-hardened carbon steel

DX

— Hexagon head sealing fasteners
made of stainless steel

DUVEX








— Hexagon head screws and bolts
made of stainless steel (A2 + A4)

DUVE

— DUVE DRIL-KWICK Self-Drilling
Fasteners (Screws)

DUVE

MIL-HDBK-57B(1S)

<p>DYNACAST <i>Industrial Fasteners Division</i> 1401 Front Street Yorktown Heights, NY 10598</p> 	<p>EAGAN MACHINE CORP. 135 Center Street Bristol, CT 06010-5025</p> 
<p>JOS. DYSON & SONS, INC. P.O. Box 228 Painesville, OH 44077-0228</p> <p>Plant 53 Freedom Rd. Painesville, OH 44077-0228</p> 	<p>EAST COAST METALS INC. 171 Ruth Road Harleysville, PA 19438</p> 
<p>DZUS FASTENER CO. INC. 425 Union Boulevard West Islip, NY 11795</p> 	<p>EASTERN SCREW CO. INC. 71 Mill Street Johnston, RI 02919</p>  <p>EASTWOOD MFG. CO. P.O. Box 231102 Houston, TX. 77223</p> <p>Plant 5626 Lawndale Houston, TX 77023</p> 

MIL-HDBK-57B(1S)

ECENARRO S. COOP. LTDA.
c/ Amillaga, 15.
20500 Bergara — Guipúzcoa
SPAIN



E.D.S. ORDNANCE
644 C Anchors St.
Ft. Walton Bch, FL 32548



ELASTIC STOP NUT (Division of Harvard
Industries, Inc.)

Plant
2330 Vauxhall Road
Union, NJ 07083

2nd Plant
3200 Country Club Road
P. O. Box 988
Pocahontas, AR 72455

E, EN, or ESNA Red nylon insert in locknuts

Red nylon insert in locknuts identifies Esna as
manufacturer

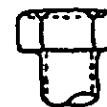


ELLIS PRECISION INDUSTRIES
3133 Ramona Drive
Fort Worth, TX 76116



EMHART CORP.
Parker-Kalon Division

Plant
395 Roberts Road
Campbellsville, KY 42718



"TRIANGLE" MARKING

Gripco Fastener Division
111 East Broad Street
South Whitley, IN 46787



G_N raised or
indented on
flange or
bearing
surface



G_N raised on
head, both
inch and
metric series



G_N raised or indented on flange or bearing
surface

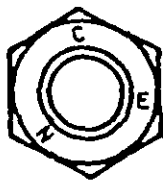
MIL-HDBK-57B(1S)

ENGINEERED BOLTING PRODUCTS, INC.
P.O. Box 7067
Shreveport, LA 71137

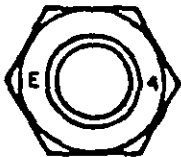
Plant
301 Montgomery St.
Shreveport, LA 71107

EBP

ENGINEERING MATERIALS CO., INC.
Fastener Manufacturing Division
2055 West Cowles Street
Long Beach, CA 90813



Mfr. Symbol/Logo embossed or indent marked
Letter "E" as shown on nut crown spaced
120 degrees from material symbol marking.



Mfr. Symbol/Logo letter "E" shown, opposite
material symbol marking code on nut crown
at corners.



Mfr. Symbol/Logo letter "E", as shown on
nut crown, 180 degrees opposite material
symbol marking.

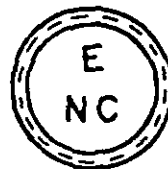
ENGINEERING MATERIALS CO., INC.
(CONT'D)



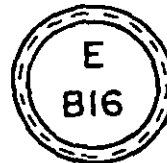
Mfr. Symbol/Logo letter "E" marked opposite
material symbol code marking on nut crown
at one corner location.



Mfr. Symbol/Logo Letter "E" marked on crown,
180 degrees opposite thread designation letter.



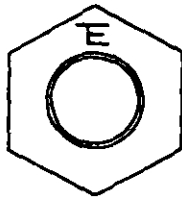
Mfr. Symbol/Logo Letter "E" indent marked
above material symbol.



Mfr. Symbol/Logo Letter "E" as shown indent
marked above material symbol marking on
stud or rod end.

MIL-HDBK-57B(1S)

ENOMOTO INDUSTRIES CO., LTD.
3-26 Takasago, Takaishi-Shi,
Osaka, 592 JAPAN



ERICO FASTENING SYSTEMS INC.
301 New Albany Road
Moorestown, NJ 08057



ERIE BOLT CORP.
1325 Liberty Street
Erie, PA 16502



ESMET, INC.
1406 - 5th Street, S.W.
Canton, OH 44702-2062



EVERLOCK FASTENING SYSTEMS
Everlock Detroit Division
6567 South Sterling Drive
Sterling Heights, MI 48077

Microlok



Hi-Hex Microlok



Prevailing torque surface

Flange Hi-Hex Microlok



Prevailing torque surface

Flange Toplock



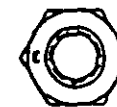
Flange Nut



Nut and Washer Assembly



Standard Hex Nut

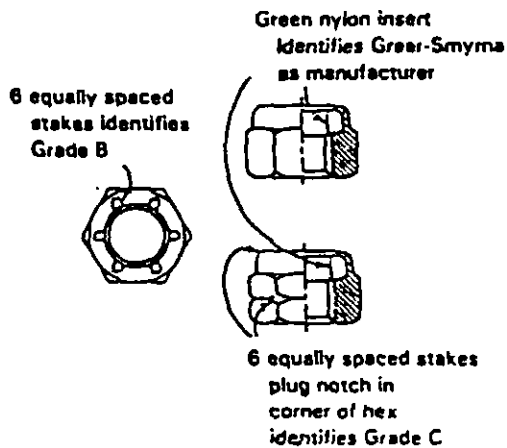


(CONT'D)

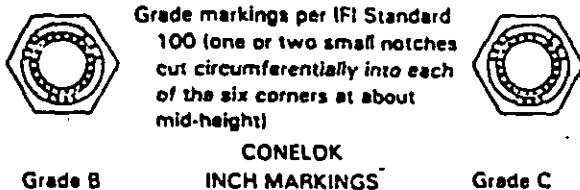
MIL-HDBK-57B(IS)

EVERLOCK FASTENING SYSTEMS
(CONT'D)

Greer-Smyrna Division
Mayfield Drive
P. O. Box 68
Smyrna, TN 37167



NYLON INSERT



Green nylon insert identifies
Greer-Smyrna as manufacturer
per IFI 514

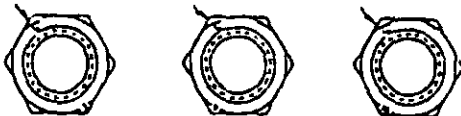


Property Class 5, 9 and 10 markings per IFI 514 located
on bearing surface and/or hex flats



NYLON INSERT

Manufacturer's I.D. — letter "G" stamped on one hex flat
or on bearing surface



CONELOK — BEARING SURFACE

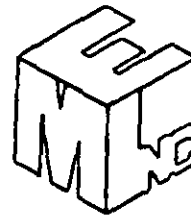
Class 5 METRIC MARKINGS Class 10
Class 9

EVERLOCK FASTENING SYSTEMS
(CONT'D)

International Screw Division
50631 East Russell Schmidt Boulevard
Mount Clemens, MI 48045



EXPERIMENTAL MACHINE, INC.
1412 Shoemaker Rd.
Baltimore, MD 21209












FABER ENTERPRISES, INC.
Canoga Park, CA 91340



FABSCO CORP.
1745 West 124th Street
Calumet Park, IL 60643



MIL-HDBK-57B(IS)

<p>GEORGE E. FAILING CO. P. O. Box 872 Enid, OK 73702</p> <p></p>	<p>FASTENER INNOVATION TECHNOLOGY, INC. 13215 South Western Avenue Gardena, CA 90249</p> <p></p>
<p>FALL RIVER MANUFACTURING CO., INC. 1075 Airport Road Fall River, MA 02722</p> <p></p>	<p>FASTENER TECHNOLOGY CORP. 7415 Fulton Avenue North Hollywood, CA 91605</p> <p></p>
<p>FARLO MACHINE & TOOL CO., INC. 340 Constance Dr. Bldg #7 Warminster, PA 18974</p> <p></p>	<p>FASTENING PRODUCTS CO., INC. P.O. Box 552 Secane, PA 19018</p> <p>Plant Aldan Industrial Park Merrion Terrace Aldan, PA 19018</p> <p></p>
<p>(FASSCO) FASTENER & STEEL SUPPLY CO., LTD. Quality Assurance Dept. P.O. Box 236 Hatfield, PA 19440</p> <p>Plant 2294 North Penn Road Hatfield, PA 19440</p> <p> </p> <p>Latest marking used on fasteners after August 1, 1988</p> <p>Previous marking used on fasteners</p>	<p>FASTENRATH BEFESTIGUNGSTECHNIK GmbH Herscheider Strasse 105 Postfach 51 42 5970 Plettenberg-Holthausen FEDERAL REPUBLIC OF GERMANY</p> <p></p>

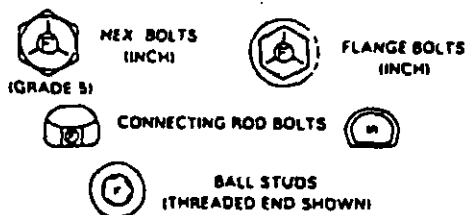
MIL-HDBK-57B(1S)

FEDERAL MANUFACTURING CORP.
6910 Farmdale Avenue
North Hollywood, CA 91605

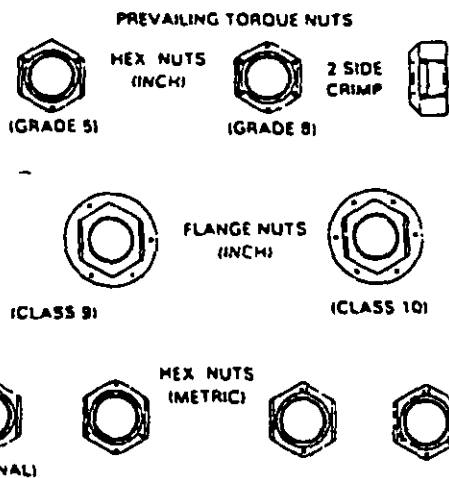
F M C

FEDERAL SCREW WORKS
2400 Buhl Building
Detroit, MI 48226

Big Rapids Division
400 North Dekraft
Big Rapids, MI 49307

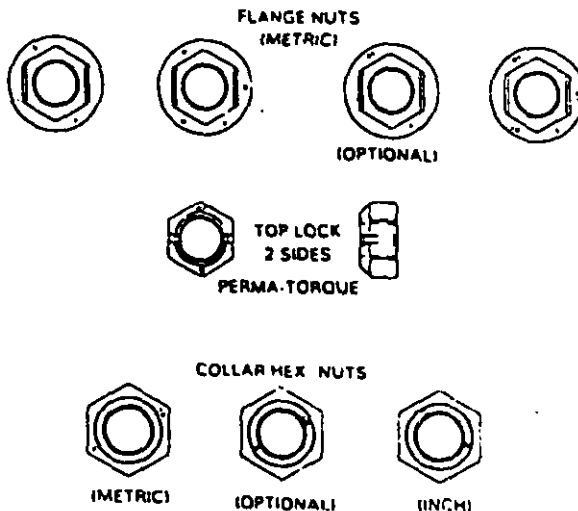


Romulus Division
34846 Goddard Road
Romulus, MI 48174



FEDERAL SCREW WORKS (CONT'D)

Romulus Division
34846 Goddard Road
Romulus, MI 48174



THE FERRY CAP & SET SCREW CO.
2151 Scranton Road
Cleveland, OH 44113

F C F-C

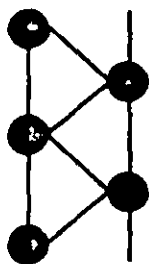
B P G

FIRST AMERICAN SALES CO.
721 East Compton Blvd.
Compton, CA 90220

1st

MIL-HDBK-57B(1S)

FISCHER SPECIAL MFG. CO.
111 Industrial Rd.
Cold Spring, KY 41076



FLUIDONICS INC.
135 Dale Street
West Babylon, NY 11704



FLUIDYNE CORPORATION
9016 Collins Ave.
Pennsauken, NJ 08110

FDC

FLEXALLOY INC.
26000 Richmond Road
Cleveland, OH 44146



GRADE 5
HEX HEAD
CAP SCREW



GRADE 8
HEX HEAD
CAP SCREW



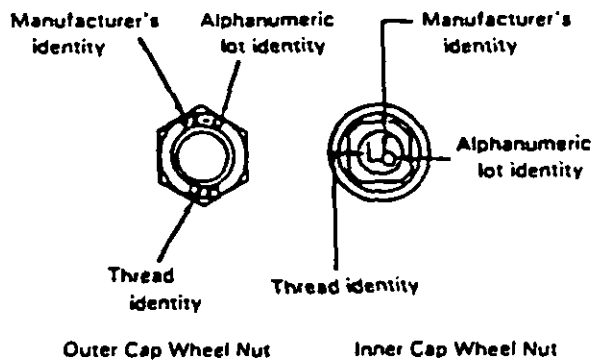
FX-180 HEX HEAD
CAP SCREW
(180,000 PSI
MINIMUM TENSILE
STRENGTH)



FX-180 HEX NUT
PROOF LOAD =
180,000 PSI



METRIC CAP SCREW,
PROPERTY CLASS 10.9



Outer Cap Wheel Nut

Inner Cap Wheel Nut

WHEEL NUTS



HEX FLANGE SCREW GRADE 8


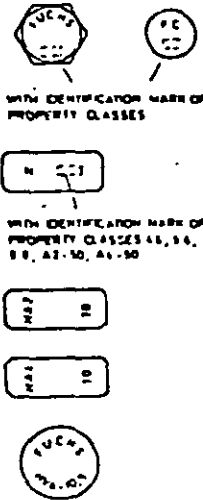
FOLSOM TOOL & MOLD CORP.
#12 Mt. Pleasant Dr.
Aston, PA 19014




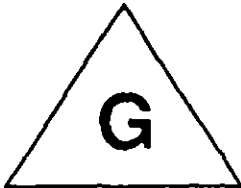

FONTANA LUIGI S.p.A.
Via Piave 29
20050 — MI
ITALY







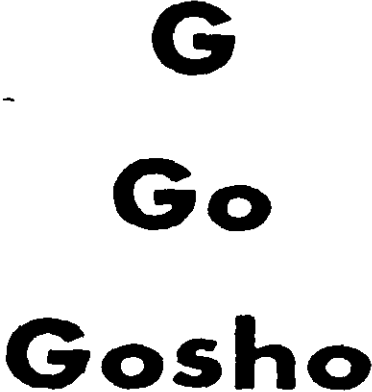


MIL-HDBK-57B(1S)

<p>FOREST FASTENERS Treforest Industrial Estate Pontypridd, Mid. Glamorgan South Wales CF37 5YG GREAT BRITAIN</p> 	<p>FREETO CO., INC. 60 Farwall St. Waltham, MA 02154</p> <p>JF</p>
<p>FPA MANUFACTURING 4206 Glencoe Ave. Marina Del Rey, CA 90292</p> <p>FPA</p>	<p>FRISBY AIRBORNE HYDRAULICS, INC. 417 South Main Street Freeport, NY 11520</p> <p>FAH</p>
<p>FRANROE PRECISION MACHINE COMPANY 12 Champion Rd. Gloucester City, NJ 08030-1553</p> <p>F.R. F.R.P</p>	<p>FUCHS SCHRAUBENWERK GmbH Bismarckstrasse 38 5900 Siegen FEDERAL REPUBLIC OF GERMANY</p>  <p>HEX HEAD/ROUND HEAD BOLTS. STUD BOLTS</p> <p>T-HEAD BOLTS, HAMMER HEAD / HOOK HEAD BOLTS</p> <p>HIGH STRENGTH STRUCTURAL BOLTS (TENSION CONTROLLED/TWIST OFF)</p>
<p>THE FREEMAN CO. 8th & Walnut Streets P. O. Box 57 Yankton, SD 57078</p> <p>F</p>	

MIL-HDBK-57B(1S)

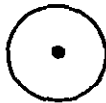
<p>G & R SCREW MACHINE PRODUCTS 2016 W. Adobe Drive Phoenix, AZ 85027</p> <p>G&R</p>	<p>GENERAL MACHINE PRODUCTS, INC. 3525 E. Vickery Blvd. Ft. Worth, TX 76105-1696</p>  
<p>G & S MACHINE INC. 2804 Renee Drive Bedford, TX 76021</p> <p>G-S</p>	<p>GENERAL SCREW & SPECIALTY CO INC. 14 N. Blecker Street Mt. Vernon, NY 10550-1892</p> <p>GS</p>
<p>GARDINER MFG. CO. P.O. Box 1499 Oakland, CA 94604-1499</p> <p>Plant 1920 Union Street Oakland, CA 94607</p> <p>GARCO</p>	<p>G.F.D. Zone Industrielle P. O. Box 63 90140 Bourogne FRANCE</p> <p>Plant 15, Impasse G. Thivollet P. O. Box 26 42011 Saint Etienne CEDEX 2 FRANCE</p> 
<p>GENERAL AVIATION MFG., INC. P.O. Box 712 Huntingdon Valley, PA 19006</p> <p>4J952</p>	

MIL-HDBK-57B(1S)

<p>GMJ MACHINE COMPANY, INC. Rt. 1, Box 152A Wilmer, AL 36587</p> 	<p>GRADON SCREW MACHINE CORP. 1411 East Street New Britain, CT 06053-2136</p> 
<p>THE B F GOODRICH CO. RIVNUT® ENGINEERED FASTENERS <i>Aerospace and Defense Division</i> 250 North Cleveland-Massillon Road Akron, OH 44313-0501</p> <p><i>Plant</i> 150 Springside Drive Akron, OH 44313-0501</p> 	<p>GRANDEUR FASTENERS, INC. P. O. Box 658 Danville, AR 72833</p> <p><i>Plant.</i> Route 1, Highway 10 Danville, AR 72833</p> 
<p>GOSHO WORKS, LTD. 3-8-1 Taru-machi Kohoku-ku, Yokohama 222 Japan</p> 	<p>GRAUCH ENTERPRISES 5312 Westminister Ave. Phila., PA 19131</p>  <p>GREATER MARYLAND TOOL & MFG. CORP. Route 219 Accident, MD 21520-0241</p> 

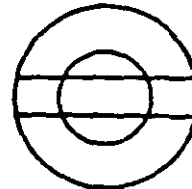
MIL-HDBK-57B(1S)

GREEN BAY DROP FORGE
DIV. OF CLEVELAND HARDWARE &
FORGING
 1341 S. State St.
 P.O. Box 11797
 Green Bay, WI 54307-1797



Circle with center dot

GROOV-PIN CORPORATION
 1125 Hendricks Causeway
 Ridgefield, NJ 07657



GREENFIELD MANUFACTURING CO. INC.
 920 Levick Street
 Philadelphia, PA 19111-5498

GFM

GS AEROSPACE TECHNOLOGY, INC.
 1307 Wanamaker Ave.
 Ontario, CA 91761

GRIPCO, DIVISION OF BLACK & DECKER
 111 E. Broad St.
 South Whitley, IN 46787

Twin Delta
Crownlock Gr BGripco
Crownlock Gr CToplock
(3-6 Indentations)

Centerlock

Twin Delta Crownlock
Class 9 metric locknutGripco Crownlock
Class 10 metric locknut




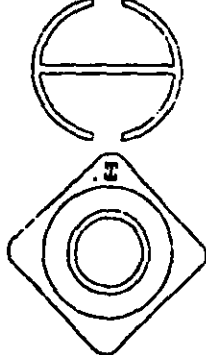

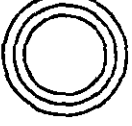

1) PRIMARY - 1EM77

2) SECONDARY - GSAT

3) SECONDARY - GS

4) SECONDARY - GSI
 (OBSOLETE AS OF
 JAN 1, 1988)

MIL-HDBK-57B(1S)

<p>GSF FASTENINGS (Armstrong Fastenings Ltd.) Midland Road Darlaston Wednesbury, West Midlands WS10 8JN GREAT BRITAIN</p> 	<p>HALLSIMS INDUSTRIAL COMPONENTS, INC. 946 Rosa Avenue Croydon, PA 19020</p> <p>HIC</p>
<p>GUARDIAN RIVET & FASTENER Guardian Mfg. Division 70 Air Park Drive Ronkonkoma, NY 11779</p> <p>Plant 201 Trade Zone Drive Ronkonkoma, NY 11779</p>  	<p>HAMANAKA NUT MFG. CO., LTD. 770 Shirahana-Cho, Himeji, Japan</p> 
<p>GUNNISON-INTERNATIONAL INC. 861 Gibbsboro Road Lindenwold, NJ 08021</p> 	<p>HANDI GADETS CORP. 1230 Clinton St. La Crosse, WI 54603-2427</p>  <p>HANSAN SCREW CO., LTD. Exporting Department 974-7 Yang Duk-Dong Masan 610-00 REPUBLIC OF KOREA</p> 

MIL-HDBK-57B(1S)

THE HARRISON BOLT & NUT CO.
2781 Wilkens Avenue
Baltimore, MD 21223



HASSALL, JOHN, INC.
P.O. Box 698
Cantiagui Rock Rd.
Westbury, NY 11590



HARTFORD AIRCRAFT PRODUCTS, INC.
94 Old Poquonock Road
Bloomfield, CT 06002

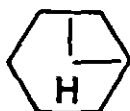


HAYDON BOLTS, INC.
Adams Ave., & Unity St.
Philadelphia, PA 19124

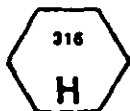


HASKELL OF HUNTINGTON, INC.
P.O. Box 119
Huntington, WV 25706-0119

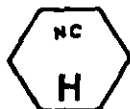
Plant
300 Third Avenue
Huntington, WV 25701



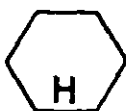
300 Series Stainless Steel



Type 316 Stainless Steel

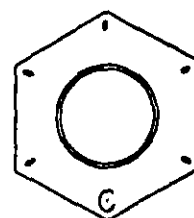


Nickel Copper (Monel)



Silicon Bronze

HAZE SEIKO CO., LTD.
Ko 402 Shirahama-Cho
Himeji-Shi. Hyougo-Ken
672 JAPAN





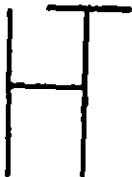
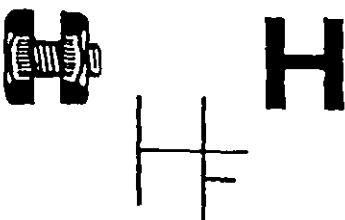


HC PACIFIC
P. O. Box 709
Culver City, CA 90232

Plant
3235 Helms Avenue
Culver City, CA 90232

HC HCP

MIL-HDBK-57B(IS)

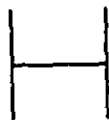
<p>HENWAY, INC. 1314 Goodrick Drive P. O. Box 1276 Tehachapi, CA 93561</p> 	<p>HILL INDUSTRIES, INC. Hill Aerospace & Defense 19734 Dearborn Street Chatsworth, CA 91311</p> 
<p>HEXAGON ENTERPRISES, INC. 256 Minnesota Avenue Troy, MI 48083-4671</p> 	<p>HI-SHEAR CORP. 2600 Skypark Drive Torrance, CA 90509</p> 
<p>HIGHLAND THREADS, INC. Fastener Manufacturing Division 708 E. Tidwell Houston, TX 77022</p> 	<p>HILL FASTENER CORP. P. O. Box 399 Rock Falls, IL 61071-0399</p> <p><i>Plant</i> McNeil Road Rock Falls, IL 61071-0399</p> <p>Plant Toronto Fasteners Industries, Inc. Subsidiary of Hi-Shear Corp., USA 19 Constellation Court Rexdale, Ontario M9W 1K4, CANADA</p> 

MIL-HDBK-57B(1S)

HILTI, INC.
5400 S. 122nd E. Ave.
Tulsa, OK 74146-2404

DX Division

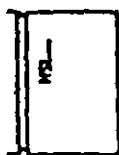
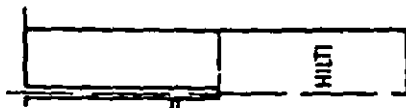
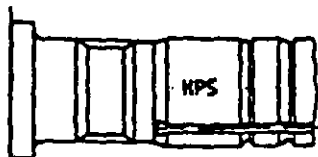
HILTI



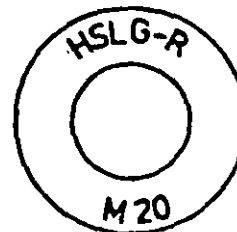
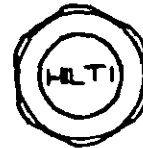
Anchor Division

HILTI
HEA M24 x 210 (1" x 8 1/4")

HILTI
HEA 3/4" x 6 3/8"



HILTI, INC. (CONT'D)
Anchor Division



HOLLYWOOD MANUFACTURING INC.
11915 Vose Street
North Hollywood, CA 91605

H

MIL-HDBK-57B(15)

HOLO-KROME CO.
 Brook Street
 West Hartford, CT 06110

HK

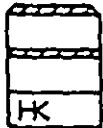
On some socket screw products



1960 series cap screws — present design



1960 series cap screws — new design



Metric socket cap



HORSPOL & ROMINE MANUFACTURING CO., INC.
 5850 Marshall Street
 Oakland, CA 94608

HR

HR

HORST ENGINEERING AND MANUFACTURING CO.
 P. O. Box 8066
 East Hartford, CT 06108

Plant
 36 Cedar Street
 East Hartford, CT 06108

HEM

HE

HE

HOWE MACHINE & TOOL CORP.
 236 Park Avenue
 Bethpage, NY 11714-3709



HOWIE MFG. CO., INC.
 P.O. Box 426
 Collingswood, NJ 08108

Plant
 1227 Mechanic St.
 Camden, NJ 08104

hmc

MIL-HDBK-57B(1S)

HUCK MANUFACTURING CO. (Subsidiary of
Federal-Mogul Corp.)
Industrial Fastener Division
P. O. Box 8117
Waco, TX 76714

Plant
8001 Imperial Drive
Waco, TX 76714



HURON AUTOMATIC SCREW CO.
P.O. Box 66
Port Huron, MI 48060

Plant
4918 Gratiot Road
Marysville, MI 48040



HUGO DURHOLT GmbH & CO. KG
Schraubendreh-Und PreBwerk
Postfach 16-80
D-5632 Wermelskirchen 1

Plant
Dabringhauser Str. 19
D-5632 Wermelskirchen 1



HYDRO FITTING MFG. CORP.
P.O. Box 1558
733 E. Edna Place
Covina, CA 91722



HUNTINGTON VALLEY INDUSTRIES,
INC.
5142 Bolsa Avenue, Suite 105
Huntington Beach, CA 92649



IDEAL FASTENERS INC.
1270 North Red Gum Street
Anaheim, CA 92806



MIL-HDBK-57B(1S)

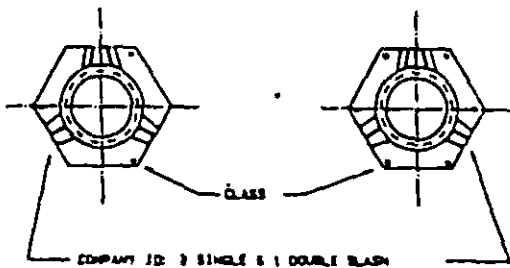
IMPERIAL, INC.
P.O. Box 11008
Green Bay, WI 54307-1008



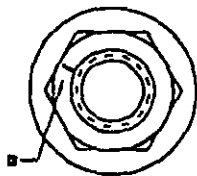
GRADE 8

INDUSTRIAL & AUTOMOTIVE
FASTENERS
Division of Key Manufacturing Group, Inc.
3200 W. Fourteen Mile Rd.
Royal Oak, MI 48073

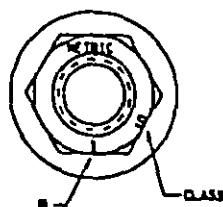
1/2" CONELOCK NUTS



1/2" WHEELNUT

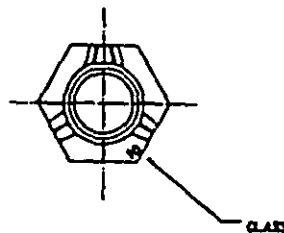


METRIC WHEELNUT



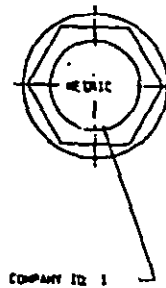
INDUSTRIAL & AUTOMOTIVE
FASTENERS (CONT'D)
Division of Key Manufacturing Group, Inc.

METRIC CONELOCK NUT

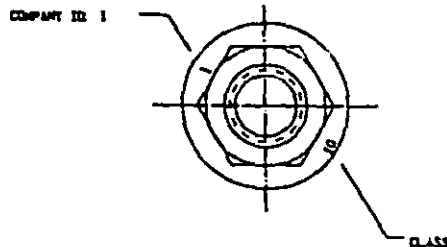


COMPANY ID: 2 SINGLE & 1 DOUBLE SLASH

METRIC CAPPED WHEELNUT



METRIC FLANGE
HEX NUT



INDUSTRIAL FASTENERS CORP.
7 Harbor Park Drive
Port Washington, NY 11050

Plant
57 Denton Avenue
New Hyde Park, NY 11040



Under head




Top of head



Slotted hex head
(top of head)

MIL-HDBK-57B(1S)

INDUSTRIAL NUT CORP.
1425 Tiffin Avenue
Sandusky, OH 44870

 or **INC**

Blue nylon insert
identifies INC
as manufacturer



6 equally spaced stakes
plus notch in
corner of hex
identifies Grade C

6 equally spaced
stakes identifies
Grade B



**INCH NYLON
INSERT LOCKNUTS**

The blue insert is a trademark of Industrial Nut Corp. registered in
the U.S. Patent & Trademark Office

Blue nylon insert
identifies INC
as manufacturer
per IFI 514



2 equally spaced
stakes identifies
property Class 5
per IFI 514



3 equally spaced
stakes identifies
property Class 9
per IFI 514

4 equally spaced
stakes identifies
property Class 10
per IFI 514



**METRIC NYLON
INSERT LOCKNUTS**

IN-SPECK CORP.
1528 Belfield Avenue
Philadelphia, PA 19141-2196

ISI

INSTRUMENT MACHINING SERVICE LTD.
Howlett Way
Thetford, Norfolk IP24 1HZ
GREAT BRITAIN



IRVING MACHINE SERVICE, INC.
451 Main Street
P.O. Box 94
Irving, NY 14081

IM

INLAND MACHINE CO.
8365 Beech Ave.
Fontana, CA 92335

IM





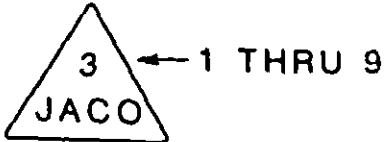
INFOFAST MANUFACTURING INC.
1370 Industry Rd.
Hatfield, PA 19440

IN









**ITT HARPER AEROSPACE FASTENER
OPERATIONS**
*ITT Aerospace Controls Division, ITT Fluid
Technology Corp.*
1200 South Flower Street
Burbank, CA 91502

AOL

MIL-HDBK-57B(1S)

<p>ITW BUILDEX 1349 West Bryn Mawr Avenue Itasca, IL 60143</p> <p>B_X</p>	<p>J & S PRECISION PRODUCTS 8 Evesboro Rd. Medford, NJ 08055</p> <p>J-S</p>
<p>IVACO INC. <i>Infasco Division</i> 700 Ouellette Street Marieville, Québec JOL 1J0 CANADA</p>  <p><i>Infasco Nut Division</i> 7283 Torbram Road Mississauga, Ontario L4T 1G8 CANADA</p>  <p><i>Ingersoll Fasteners Division</i> P. O. Box 40 Thomas Street Ingersoll, Ontario N5C 3K1 CANADA</p>  	<p>JACO ENGINEERING, INC. 879 So. East Street Anaheim, CA 92805-5256</p>  <p>JAM TECH CORP. P. O. Box 327 Essington, PA 19029</p> <p><i>Plant</i> 1260 East Woodland Avenue Springfield, PA 19064</p> <p>JT</p> <p>JAY BEE MACHINE WORKS, INC. 120 South Keswick Avenue P. O. Box 485 Glenside, PA 19038-0485</p> <p>B</p>

MIL-HDBK-57B(IS)

<p>JJ SCREW PRODUCTS, INC. 21519 Parthenia Street Canoga Park, CA 91304</p> 	<p>J.P. PRODUCTS, INC. DBA Specialites, Unlimited P.O. Box 427 Willoughby, OH 44094</p> <p>Plant 33220 Lakeland Blvd. Eastlake, OH 44095</p> 
<p>J.M. PRECISION, INC. Fastener Division 9640-G Topanga Canyon Place Chatsworth, CA 91311</p> 	<p>JUPITER WASHERS, INC. 10-01 37th Avenue Long Island City, NY 11101</p> 
<p>JOLICO/J-B TOOL INC. 4325 22 Mile Road Utica, MI 48087-2998</p> 	<p>KAMAX-WERKE Rudolf Kellermann GmbH & Co. KG P.O. Box 1460 D-3360 Osterode am Harz WEST GERMANY</p> <p>KAMAX</p> <p>KX</p>
<p>JOSLYN CORP. <i>Utility Systems Division (USD)</i></p> <p>Plant 3700 South Morgan Street Chicago, IL 60609</p>  <p>Carriage bolts</p>  <p>Machine bolts</p>	<p>KAPCO INDUSTRIES, INC. 12405 Woodruff Avenue Downey, CA 90241</p> 

MIL-HDBK-57B(IS)

KATSURAGAWA MACHINE SCREW CO., LTD.

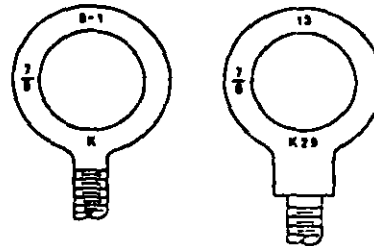
3-24-1
Yaguchi Ohta-ku
Tokyo 146
JAPAN

Plant
366-1, Kogosyo.
Kakegawa-shi
Shizuoka-ken 436
JAPAN

**KEN FORGING, INC.**

P.O. Box #277
Jefferson, OH 44047

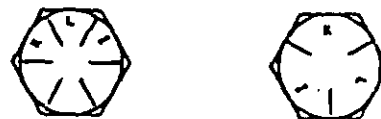
Plant
Griggs Rd. Rt 1
Jefferson, OH 44047



KAYGOR, INC.
1243 Transit Street
P. O. Box 2950
Pomona, CA 91766

**KERR LAKESIDE INC.**

26841 Tungsten Road
P. O. Box 32220
Euclid, OH 44132-2680



KELLER ENGINEERING
136 W. 157th Street
Gardena, CA 90248

**KEYSTONE BOLT & NUT COMPANY**

Keystone Threaded Products Division
P.O. Box 31059
Independence, OH 44313

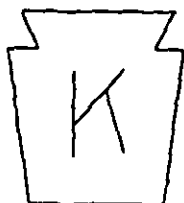
Plant
7621 Old Rockside Rd.
Independence, OH 44131



MIL-HDBK-57B(1S)

KEYSTONE TOOL & MACHINE CO.
P.O. Box 249
Colwyn, PA 19023-0249

Plant
500 South 7th St.
Colwyn, PA 19023



KNIPPING-DORN GmbH
KALTUMFORMTECHNIK
4690 Herne 1
Postfach 1229
FEDERAL REPUBLIC OF GERMANY

D O R N

In connection with the identification mark of property class 3.6 up to and including 12.9

Ko Am MACHINE CO.
831 N. Lake St. #3
Burbank, CA 91502

KO

KILBOURN ENGINEERING CO.
9226 West Flagg Avenue
Milwaukee, WI 53225

K

KOBE FASTENER LIMITED
654 Hishie
Higashi Osaka, 577
Japan

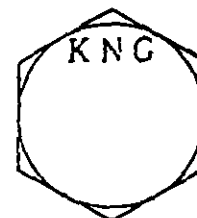
α

KLINCHER LOCKNUT CORP.
2030 N. Oxford St.
P.O. Box 18100
Indianapolis, IN 46218








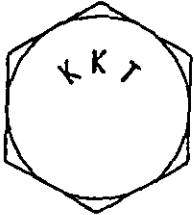
KL

KONGO BYORA CO., LTD.
2-1-27 Shitennoji
Tennoji-Ku
Osaka 543 JAPAN

Plant
3-31 Nagata-Nishi
Higashiosaka-Shi, Osaka
577 JAPAN



MIL-HDBK-57B(IS)

<p>KOREA BOLT IND. CO., LTD. Foreign-Trading Department 620-34 Guro-Dong, Guro-KU Seoul, Korea</p> <p>Plant 731-3 Wonsi-Dong, Ansan-City Gyunggi-DO, Korea</p> 	<p>K-TECH MFG., INC. 288 Holbrook Drive Wheeling, IL 60090-5810</p>     
<p>KORODY COLYER A CR INDUSTRIES COMPANY 700 West Artesia Blvd. Compton, CA 90224-9059</p> <p>K</p>	<p>KYOEI SEISAKUSHO CO., LTD. 4-5-11 Nunoichi-cho, Higashiosaka-shi, Osaka 579 Japan</p> <p>Plant 1-1 Minamishinozaki Kazo-shi, Saitama-ken 347 Japan</p> 
<p>E. KOZAK PRECISION PRODUCTS CO. 45 Woodland Ave. Rockaway, NJ 07866</p> <p>KPP</p>	<p>KYOKUTO MFG. CO., LTD. 3-5-29 Wakaehonmachi Higashiosaka-Shi Osaka 578 JAPAN</p> <p>Plant 1109-5 Shibade Kuramochi-Cho, Nabari-Shi, Mie-Ken 518-04 JAPAN</p> 
<p>KREIS TOOL & MFG. CO., INC. 575 Lively Blvd. Elk Grove Village, IL 60007-2013</p> <p>KTM</p>	

MIL-HDBK-57B(1S)

L & H THREADED RODS CORP.
3050 Dryden Road
Dayton, OH 45439

L

LAKE ERIE SCREW CORP.
13001 Athens Avenue
Cleveland, OH 44107



ASTM A 307



ASTM A 449



SAE J429 GR 2

SAE J429 GR 5

SAE J429 GR 5.1



ASTM A 354 BD

ASTM F 568
CLASS 8.8

SAE J429 GR 6

SAE J429 GR 8

SAE J1199
CLASS 8.8



ASTM F 568
CLASS 9.8

ASTM F 568
CLASS 10.9

ASTM F 568
CLASS 12.9

SAE J1199
CLASS 9.8

SAE J1199
CLASS 10.9



ASTM A 325



ASTM A 325
TYPE 3
CLASS A



ASTM A 490



ASTM A 490
TYPE 3
CLASS A

LAMSON AND SESSIONS OF CANADA LTD.
RB & W Corp. Metal Forming Division
8341 Tyler Boulevard
Mentor, OH 44060

Manufacturer Nuts — Sales Office
Lamson & Sessions of Canada Ltd.
Toronto Plant — Canada
5190 Bradco Boulevard
Mississauga, Ontario L4W 1G7
CANADA

STOVER® PREVAILING TORQUE LOCKNUTS



Grade A



Grade B



Grade C

Hex Automation — Imperial



Grade F

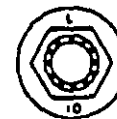


Grade G

Hex Flange — Imperial



Class 9



Class 10

Hex Flange — Metric



Hex Automation — Metric

LANARKSHIRE BOLT LTD.
Burnbank
Hamilton, Lanarkshire ML3 0QU
SCOTLAND



Raised letters

MIL-HDBK-57B(1S)

LAND-SEA-AIR MACHINED PRODUCTS,
INC.
P. O. Box H
Fleming Pike
Winslow, NJ 08095

L-S-A

LELAND-POWELL FASTENERS, INC.
P. O. Box 260
Martin, TN 38237

Plant
Highway 45 East South
Martin, TN 38237



LANIS MACHINE & MFG. CO.
2506 S. Cooper #A-9
Arlington, TX 76015



THOMAS WILLIAM LENCH LTD.
P. O. Box 31
Excelsior Works, Rowley Regis
Warley, West Midlands B65 8BZ
GREAT BRITAIN



Raised letters



Indented letters



Raised or indented
letters

LANUM METAL PRODUCTS, INC.
4100 N. 16th Street
Philadelphia, PA 19140-3093



LM.T.

LENTERN (AIRCRAFT) LTD.
Main Road, Hawkwell,
Nr. Hockley, Essex SS5 4JJ
GREAT BRITAIN

LAH LAH

MIL-HDBK-57B(1S)

LEWIS SCREW COMPANY
Division of Columbia General Corp.
4300 South Racine Avenue
Chicago, IL 60609



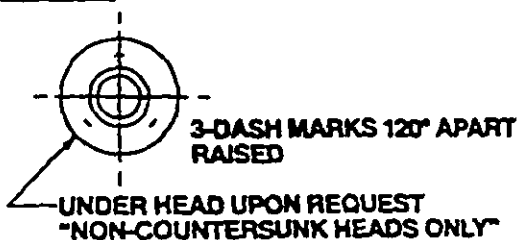
LEWIS SCREW COMPANY
THE FASTENER SPECIALIST

120° INCLUDED ANGLE
RAISED.

INDENTED HEX HDS. AND
INDENTED HEX WASHER HDS.



LEWIS SCREW COMPANY
THE FASTENER SPECIALIST



LFC INDUSTRIES INC.
1221 Corporate Drive West
Arlington, TX 76006

LFC

L. H. INDUSTRIES, INC.
Tip Top Tool Co.
443 Iryington Road
Drexel Hill, PA 19026

Tip Top Tool Co.
3513 North 10th Street
Philadelphia, PA 19140

LH

LINREAD PUBLIC LIMITED CO.
Aircraft Products Division
P. O. Box 28, Crossgate Road
Park Farm Industrial Est.
Redditch, Worcestershire B98 7TD
GREAT BRITAIN



Illustration
No.

Notes

1, 2

Y = Unified S quality

WWE = Linread Keeley St. (was
Warne Wright Engineering
and which no longer trades
under that name)

M = Metric screws and bolts
8.8 or 8.8 = Grade 8.8. Alternative mark-
ings such as 10.9 or 10.9
may appear as appropriate.

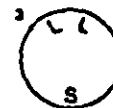


Illustration
No.

Notes

3, 4

LL or L = Linread Ltd
S = Unified S quality. Alternative
letters such as R and T may
appear as appropriate.

M = Metric screws and bolts
8.8 or 8.8 = Grade 8.8. Alternative mark-
ings such as 10.9 or 10.9
may appear as appropriate.

Illustration
No.

Notes

3, 4,
(Cont'd)

L = Linread Pic



(CONT'D)

MIL-HDBK-57B(15)

LINREAD PUBLIC LIMITED CO. (CONT'D)


Aircraft Products Division (CONT'D)

Illustration

No.

Notes

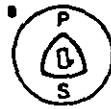
5, 6

 = Linread Plc

S = Unified S quality. Alternative letters such as R and T may appear as appropriate.

M = Metric screws and bolts

88 or 8.8 = Grade 8.8. Alternative markings such as 10.9 or 10.9 may appear as appropriate.




Illustration

No.

Notes

7, 8

 = Trilobular screws and bolts. Various letters may appear, viz

M = Metric. Absence of other letters indicate Duo-Tapite or Tapite parts.

P = Powerlok

C = Carbon restored surface, i.e., with no decarburization permitted but not case hardened.

N = Neutral or through hardened

I = Induction hardened lead threads

S = Unified S quality. Alternative letters such as R and T may appear as appropriate.

88 or 8.8 = Grade 8.8. Alternative markings such as 10.9 or 10.9 may appear as appropriate.

LITTLE WORLD MANUFACTURING, INC.

1083 Forest Road

West Chester, PA 19382

Plant

525 West South Street

Kennett Square, PA 19348

L < W > M

LOBO S.p.A.

Via Edison, 2 — 20010 Cornaredo

Milan

ITALY.



LIPPISCHE EISENINDUSTRIE GmbH

Alter Weg 57

D-4930 Detmold

West Germany

LE

MIL-HDBK-57B(IS)

LONE STAR SCREW CO. OF HOUSTON, INC.
P. O. Box 1149
Spring, TX 77383

Plant
24131 Hardy Road
Spring, TX 77373

L

Precedes grade marking
(example: LB7)

LORD CORPORATION
Aerospace Products Division
1635 West 12th Street
Post Office Box 10039
Erie, PA 16514-0039

L

Plant
4644 Wadsworth Road
Dayton, OH 45414

L1

LONG-LOK FASTENERS CORP.
10630 Chester Road
Cincinnati, OH 45215

Plant
10630 Chester Road
Cincinnati, OH 45215

2nd Plant
13709 South Normandie Avenue
Gardena, CA 90249

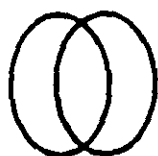
LL or **LONG** or **L_L**
LOK

M-MANUFACTURING
P.O. Box 897
Roanoke, TX 76262

Plant
Hyw. 114 & Dove Rd.
Roanoke, TX 76262

M

LOOS & CO., INC.
Aerospace Fastener Division
Route 101
Pomfret, CT 06258



M. A. A. CORP.
Mid America Aerospace Division
16201 West 110th Street
Lenexa, KS 66219

MA

MIL-HDBK-57B(IS)

MAC FASTENERS, INC
 1544 South Main St.
 Ollawa, KS 66067



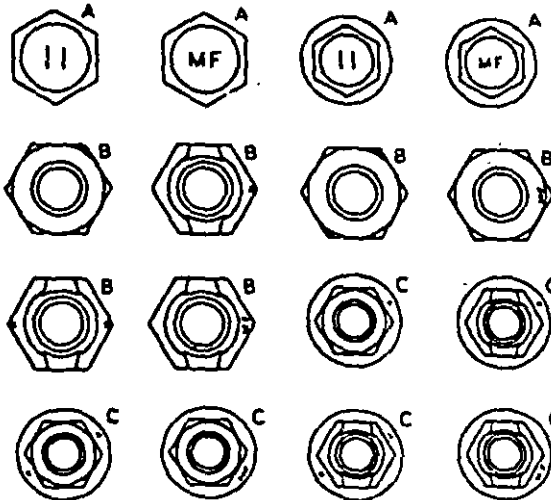
THE MACHINE SHOP, INC.
 235 W. Evelyn
 Mt. View, CA 94040

TMS

MACKO INDUSTRIES
 P.O. Box 24445
 Ft. Worth, TX 76124-1445

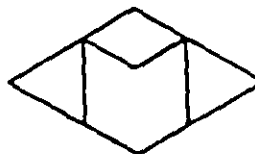
M

MACLEAN-FOGG CO.
 1000 Allanson Road
 Mundelein, IL 60060



A = Hex end flange screws and bolts
 B = Hex nuts and U-nuts
 C = Flange nuts less lock and with U-nut







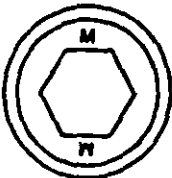

MAGNUS TOOL & DIE CO., INC.
 256 Sheffield St.
 Mountainside, NJ 07092



MAIN MACHINE & TOOL CO.
 116 Marine St.
 Farmingdale, NY 11735

MMT

MIL-HDBK-57B(1S)

<p>MANUFACTURING ENG. TECH. 340-F Turtle Creek Ct. San Jose, CA 95125</p> 	<p>MARUKYO NUT CO., LTD 2-4-15 Nakano-cho, Higashi Tondabayashi-shi Osaka 584 JAPAN</p> 
<p>MAPECO PRODUCTS, INC. 725 Glen Grove Ave. P.O. Box 6 Glen Head, NY 11545</p> 	<p>MARYLAND BOLT & NUT CO., INC. P. O. Box 65187 1340 Smith Avenue Baltimore, MD 21209</p> <div data-bbox="922 830 1019 934">  </div> <p>SAE J429 Grade 5 ASTM A448 MIL-B-857-A Grade 5</p> <p>NOTE: Also covers round head bolts, i.e., carriage-plow and countersunk styles, etc.</p> <div data-bbox="914 1100 1011 1203">  </div> <p>ASTM A193 Grade B-7 Alloy steel high temperature service bolting Tempered to 125 KSI tensile strength</p> <p>NOTE: Also covers sq. head and countersunk styles. Heavy head hex or regular configura- tions</p> <div data-bbox="922 1462 1019 1566">  </div> <p>ASTM A490 Type 1</p> <p>NOTE: Also covers round head bolts, i.e., carriage-plow and countersunk styles, etc.</p>
<p>MAR-BRO MFG., INC. 5717 W. Washington Phoenix, AZ 85043-3650</p> 	<p>(CONT'D)</p>
<p>MARTIN-CHANDLER, INC. 122 East Alondra Boulevard Gardena, CA 90248</p> 	

MIL-HDBK-57B(1S)

MARYLAND BOLT & NUT CO., INC.
(CONT'D)

ASTM A394 Type T-0

Tower bolts: hex head, square head

Head markings also include: T-1 for medium carbon and T-3 for weathering alloy steel. Both require heat treating

NOTE: Round head step bolts require manufacturing head identification and proper markings as above, except length size



SAE J429 Grade 8

ASTM A354 Grade BD

Also (optional) that A354 is exhibited on top of head

MIL-B-857-A Grade 8

NOTE: Also covers round head bolts, i.e., carriage-plow and countersunk styles, etc.



ASTM A325 Type 1

NOTE: Also covers round head bolts, i.e., carriage-plow and countersunk styles, etc.



ASTM A325 Type 3

NOTE: Also covers round head bolts, i.e., carriage-plow and countersunk styles, etc.

With line under A325 mark



SAE J429 Grade 2

ASTM A307 Grades A & B

MIL-B-857-A Type 2 (ADM/5)

NOTE: Also covers round head bolts, i.e., carriage-plow and countersunk styles, etc.

No Grade mark — only manufacturer's symbol



ASTM A490 Type 3

NOTE: Also covers round head bolts, i.e., carriage-plow and countersunk styles, etc.

With line under A490 mark

MARYLAND BOLT & NUT CO., INC.
(CONT'D)

Letters B7M on head

ASTM A193 Grade B-7-M

Alloy steel high temperature service bolting

Tempered to 100 ksi tensile strength

NOTE: Also covers SQ head and countersunk styles

Heavy head hex or regular configurations

Manufacturer's symbol and the number 3 or DH3 on face

For Grade C-3 three radial lines are also required

Heavy hex applications for C-3 and heavy or regular for DH3

Nuts for bolt applications

ASTM A325 type 3

ASTM A563 Grade DH3

Also covers square nut configurations



Heavy hex for type C-3

Regular or heavy for DH3



Manufacturer's symbol and the 2H or DH marking

Also can be supplied in regular configurations

Suitable for all Grade 8 and A325 or A490 bolts

Nuts for bolt applications

ASTM A194 Grade 2H

ASTM A563 Grade DH

Also covers square nut configurations

Heavy or regular



Manufacturer's symbol and three radial lines

Heavy hex applications only

Nuts for bolt applications

ASTM A563 Grade C

For ASTM A325 bolts

Also covers square nut configurations

Heavy hex only

MIL-HDBK-57B(1S)

<p>MAUI MEGA Jay-Cee Industrial Park River Rd. Bldg. PP-1 Tullytown, PA 19007</p> <p>O MP</p>	<p>MECAERO CANADA INC. 2250 Coben Ville St-Laurent Quebec, Canada H4R 9Z7</p> <p>MC</p>
<p>McLANE CO. 7110 East Rosecrans Avenue Paramount, CA 90723</p> <p>ML</p>	<p>MEL-BA MANUFACTURING CORP. P. O. Box 060 North Ridgeville, OH 44039</p> <p><i>Plant</i> 6295 Lear Nagle Road North Ridgeville, OH 44039</p> <p>..MEL-BA..</p>
<p>McMELLON BROS INC. 915 Honeyspot Rd. Stratford, CT 06497</p> <p>05141</p> <p>MCM 7</p> <p>MCM 7</p>	<p>MERCER PRODUCTS & MFG. CO., INC. 5472 West Mercer Way P.O. Box 777 Mercer Island, WA 98040</p> <p>MP</p>
<p>MECAERO Zone Industrielle Bd du Grand Castaing B. P. 86 Roques 31120 Portet/Garonne FRANCE</p> <p>A</p>	<p>MERCURY AEROSPACE INC. P. O. Box 9759 11800 Sherman Way North Hollywood, CA 91609-9759</p> <p>M M</p> <p>M - Mercury A - Aerospace</p>

MIL-HDBK-57B(1S)

MERCURY TOOL & MACHINE, INC.
P.O. Box 5190
Waco, TX 76708

Plant
Airport Dr. & Zoo Park
Waco, TX 76708



METAL-TECH MFG. INC.
1445 South 18th St.
Clinton, IA 52732

MT

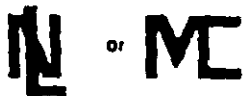
METRIX MFG. CO.
840 Brittan Ave.
San Carlos, CA 94070-4181



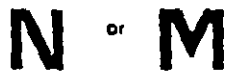
METRI

METRIX

METALCRAFTERS (Division of Keystone
Consolidated Industries)
4500 Kishwaukee Street
P. O. Box 7005
Rockford, IL 61125-7005



Indented hex and hex
washer heads



Hex cap screws — low
carbon steel

Misc. markings for screws and bolts



MICRO SCREW MACHINE PRODUCTS,
INC.
158 Webster Ave.
Jersey City, NJ 07307



MIL-HDBK-57B(1S)

MICRODOT INC.
431 Stephenson Highway
Troy, MI 48083

Kaynar Manufacturing Division
800 South State College Boulevard
P. O. Box 3001
Fullerton, CA 92634-3001



Used on sheet metal or stamped products



Used on forged or formed products



Two parallel lines — Spirallock® products only



Used on metric products



Used on all Kaynar products

Microdot Inserts Division
10 S. LaSalle Street
Suite 3500
Chicago, IL 60603

Plant
190 W. Crowther Avenue
Placentia, CA 92670



THREE PARALLEL LINES
SPIRALLOCK® INSERT PRODUCTS ONLY

MID CONTINENT SCREW PRODUCTS CO.
3701 West Lunt
Lincolnwood, IL 60645



MIDWEST ACORN NUT CO.
256 Minnesota Avenue
Troy, MI 48083-4671













MILLIPART, INC.
412 W. Carter Drive
Glendora, CA 91740



**A.P. MILLS INDUSTRIES FOR THE
BLIND**
346 St. Paul Avenue
P.O. Box 2175
Memphis, TN 38101-2175



MIL-HDBK-57B(IS)

<p>MIL-SPEC FASTENERS CORP. Route 30, Box 59A Hampstead, MD 21074</p> <p>MSF</p>	<p>MITSUBOSHI INDUSTRIES, LTD. Osaka Division 4-16 1 Chome, Midorigi, Suminoe-Ku, Osaka 559 JAPAN</p> <p>N NK NKYM</p>
<p>MI. ME. AF. S.r.l. C.so Europa, 240 24032 Calozioforte (BG) ITALY</p> 	<p>MIX TOOL CO. 212 East Cedar Street Compton, CA 90220</p>  
<p>MINEBEA CO., LTD. <i>Tokyo Rashi Fastener Division</i> 1-1-1 Katase, Fujisawa Kanagawa 251 JAPAN</p>  <p>Trademark, Tokyo Rashi</p>    	<p>M.L.W. MANUFACTURING CO. P.O. Box 8445 New Haven, CT 06530</p> <p>Plant 240 Sargent Drive New Haven, CT 06511</p> 
	<p>MNP CORP. 44225 Utica Rd. P.O. Box 131 Utica, MI 48087</p> <p>MNP Fastener Division</p>  <p>MNP</p>

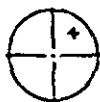
MIL-HDBK-57B(1S)

MODFORM, INC.
800 — 13th Street
East Moline, IL 61244



MONOGRAM AEROSPACE FASTENERS
3423 South Garfield Avenue
Los Angeles, CA 90040

FASTENER HEAD MARKINGS



Used on Jo-Bolts and Visu-Lok®
permanent blind fasteners



Used on Composi-Loks®, Double
Flush Bolts, Lock Bolts and new
products in the permanent fastener
product line

BODY MARKINGS

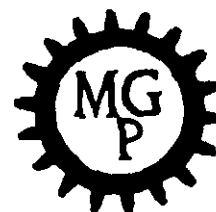


Trademark "Wedgelock" or "Mono-
gram", depressed. Used on tempo-
rary fasteners

MORTON MANUFACTURING
12729 Foothill Boulevard
Sylmar, CA 91342

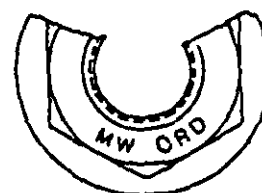


MOSTAR GEAR & MACHINE MFG. CO.
201 E. Franklin
Palestine, IL 62451



MOTOR WHEEL CORP.
4000 Collins Rd.
Lansing, MI 48910

Plant
1600 N. Larch Street
Lansing, MI 48906







MRL MANUFACTURING CORP.
P. O. Box 8440
Haledon, NJ 07538

Plant
525 Lafayette Avenue
Hawthorne, NJ 07506



MIL-HDBK-57B(IS)

<p>H. MULLINS, LTD. Bade Industrial Estate Jarrow Co Durham ENGLAND</p> <p>HM</p>	<p>NATIONAL FASTENER CO., LTD. #973 Yang Duck-Dong Masan REPUBLIC OF KOREA</p> <p>O</p>
<p>NAFCO INDUSTRIES, INC. P.O. Box 1893 Carson City, NV 89702</p> <p>Plant 26 Stokes Dr. Carson City, NV 89701</p> <p>N</p>	<p>NATIONAL THREADED FASTENERS CORP. 630 Lively Boulevard Elk Grove Village, IL 60007</p> <p>NT</p>
<p>NARRAGANSETT SCREW CO. P. O. Box 2242 Providence, RI 02905</p> <p>Plant 82 Aldrich Street Providence, RI 02905</p> <p>NS</p>	<p>NEDSCHROEF <i>Nedschroef Helmond B. V.</i> Post Box 29 5700 AA Helmond THE NETHERLANDS</p> <p>Plant Kanaaldijk NW71 5707 LC Helmond THE NETHERLANDS</p> <div data-bbox="808 1357 917 1460">  </div> <p>Standard hexagon high tensile bolts and screws of all property classes</p> <div data-bbox="808 1502 917 1605">  </div> <p>High strength friction grip bolts for structural bolting property class 10.9</p> <div data-bbox="808 1626 917 1730">  </div> <p>Socket screws</p> <div data-bbox="808 1750 917 1854">  </div> <p>Nuts and all other bolts and screws</p>
<p>NASU DENKI-TEKKO CO., LTD. 1-1-14 Shinjuku, Shinjuku-ku Tokyo 160 JAPAN</p> <p>NT</p>	

MIL-HDBK-57B(1S)

NELSON AERO SPACE INC.
P. O. Box 6216
Burbank, CA 91510

Plant
3305 Burbank Boulevard
Burbank, CA 91505

NA

NICE TOOL MFG., INC.
3280 Diana Dr.
Fort Worth, TX 76118

T

ERICH NEUMAYER GmbH
Postfach 1160
D-7613 Hausach
FEDERAL REPUBLIC OF GERMANY

N

NIPPON STEEL BOLTEN CO., LTD.
4-3-2 Nishizumi
Yukuhashi, Fukuoka
JAPAN



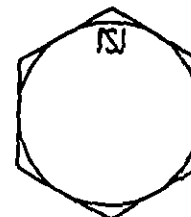
NEVILLE MACHINE SHOP
P.O. Box 22
Ranger, TX 76470

Plant
406 E. Hiway 80
Ranger, TX 76470

ND

NISCO, INC.
5F Shiga Bldg. 1-3-10,
Umebayashi Otsu-Shi
Shiga-Ken 520 JAPAN

Plant
1018-1 Rokujo Chuzu-Cho
Yasu-Gum Shiga-Ken
520-24 JAPAN



MIL-HDBK-57B(1S)

NISSAN SCREW CO., LTD.
Sales Dept., Foreign Trade Section
5-6-508 Shinkanaoka-Cho
Sakai-Shi-, Osaka 591 JAPAN

Plant
8-4-41 Miyake-Naka
Matsubara-Shi, Osaka 580 JAPAN

N

NON-FERROUS BOLT & MANUFACTURING CO.

4085 Nevso Drive, Suite C
Las Vegas, NV 89103

Plant
3850 West Ponserosa Lane
Las Vegas, NV 89118

NF

NORTHBRIDGE FASTENERS
Viking Road
Wigston, Leicester
GREAT BRITAIN

NB



E — The plain letter E is used for Rolls Royce, UK supply and Europe and will be used in the absence of any customer allocated identification.

NORTHBRIDGE FASTENERS (CONT'D)



32219 — Allocated by Pratt & Whitney, East Hartford for supply to Pratt & Whitney, East Hartford



15077 — Allocated by Pratt & Whitney, Canada for supply to Pratt & Whitney, Canada



5T572 — Milscap No. for items supplied to U.S. Government



20733 — Allocated by Avco-Lycoming for supply to Avco-Lycoming





NTF99 — Allocated by General Electric for supply to Rolls Royce for joint projects with General Electric

NORTHEAST METAL CO., INC.
P.O. Box 445
Westfield, MA 01086

PLANT
Airport Drive
Westfield, MA 01085

NET

MIL-HDBK-57B(IS)

<p>NOVA MACHINE PRODUCTS CORPORATION 18685 Sheldon Road Middleburg Heights, OH 44130</p> 	<p>NUCOR CORP. 4425 Randolph Rd. Charlotte, NC 28211</p> <p>Plant NUCOR Fastener Division P.O. Box 6100, County Road 60 St. Joe, IN 46785</p>  <p>n</p>
<p>N.S.S. INDUSTRIES 9075 General Dr. Plymouth, MI 48170</p> <p>N</p>	<p>NUMERIC MACHINE PRODUCTS 1769 West Ave. K-11 Lancaster, CA 93534</p> <p>NMP</p>
<p>NT ENGINEERING, INC. 1050 "C" Independence Avenue Mountain View, CA 94043</p> <p>NT</p>	<p>NUTS, INC. Route 724 & 23 Phoenixville, PA 19460</p> <p>N</p>

MIL-HDBK-57B(1S)

NYLOK FASTENER CORP.
800 West University Drive — Suite E
Rochester, MI 48063



Blue nylon locking element



Blue nylon locking element



Blue nylon locking element



Blue nylon locking element



Blue nylon locking element



Blue nylon locking element

NK

NK

NYLOK

OAKTREE FASTENERS CO.
12262 1/2 Woodruff Ave.
Downey, CA 90241

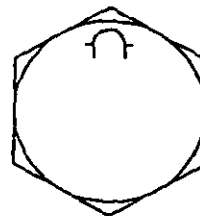
OTF

THE OHIO NUT & BOLT CO.
Div. of Fastener Industries, Inc.
33 First Ave.
Berea, OH 44017-1293

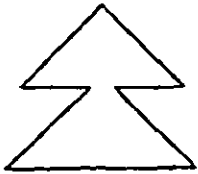


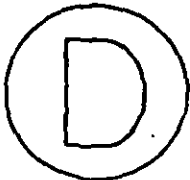


OHKAWA SCREW MFG. CO., LTD.
2-25-16 Midorigaoka,
Meguro-Ku, Tokyo
152 JAPAN

Plant
6357-1 OBA, Ohmiya-Machi,
Naka-Gun, Ibaragi-Ken
319-21 JAPAN



MIL-HDBK-57B(1S)

<p>ONEIDA TOOL & MACHINE CORP 987 Air Park Rd. Rhineland, WI 54501</p> 	<p>ORC-O TOOL & MACHINE, INC. 75 Shamrock Drive Sullivan, MO 63080</p> <p>ORC-O</p>
<p>ONO MANUFACTORY, INC. 602 Fujita Okayama-shi, Okayama-ken 701-02 Japan</p> <p>Plant 3-800-46 Tamahara Tamano-shi, Okayama-ken 706 JAPAN</p> 	<p>ORDNANCE PARTS & ENGINEERING CO. P.O. Box 8035 Fort Worth, TX 76124</p> <p>Plant 6200 W. Pioneer Parkway Fort Worth, TX 76112</p> 
<p>ONTIC ENGINEERING & MANUFACTURING, INC. P.O. Box 7044 7230 Coldwater Canyon Ave. North Hollywood, CA 91609-0510</p> 	<p>ORLOTRONICS CORPORATION 1001 Washington St. Conshohocken, PA 19428-2398</p> <p>[OTC]</p>

MIL-HDBK-57B(15)

OSAKA SEIKI CO., LTD.
1-19-14, Mitejima
Nishiyodogawa-Ku
Osaka 555
JAPAN



OTT BROTHERS MACHINE CO., INC.
P. O. Box 16314
331 East 37th Street South
Wichita, KS 67216

OB
OBMC

OSTEEN MACHINE SHOP
4113 Murray Ave.
P.O. Box 161008
Ft. Worth, TX 76161-1008



P & I ASSOCIATES, INC.
26 West Waverly Road
P.O. Box 413
Glenside, PA 19038-4012

Plant
#1 Limekiln Pike
Glenside, PA 19038
(No mail to this address)






OTO MELARA S.p.A.
Via Valdilocchi 15
19100 La Spezia
ITALY



PABCOR, INC.
925 North Cedar Street
P.O. Box 7528
New Castle, PA 16102

PABCOR

MIL-HDBK-57B(IS)

<p>PACER ALLOYS, INC. 6201 Dixie Dr. Houston, TX 77087</p> <p>V</p>	<p>PATEREX, LTD. Cray Avenue, Orpington Kent BR5 3RR UNITED KINGDOM</p> <p>P</p> <p>PTX</p>
<p>PACIFIC SCIENTIFIC 22715 Savi Ranch Parkway P.O. Box 87019 Yorba Linda, CA 92686-7019</p> <p>P S</p>	<p>PATTERSON LAKE PRODUCTS Subsidiary of Columbus Auto Parts P.O. Box 200 Pinckney, MI 48169</p> <p>Plant 1600 Patterson Lake Road Pinckney, MI 48169</p> <p>BP</p>
<p>THE PALNUT CO. A United Carr Div of TR, Inc. Glen Road Mountainside, NJ 07092</p> <p>PAL</p>	<p>H. PAULIN & CO. LTD. <i>Capital Metal Industries Division</i> 55 Milne Avenue Scarborough, Ontario M1L 4N3 CANADA</p> <p> </p>
<p>PARK PRECISION CORPORATION 2 Birch Rd. P.O. Box 847 Middleton, MA 01949</p> <p>-PPC-</p>	<p>PB FASTENERS 1700 West 132nd Street Gardena, CA 90249</p> <p></p>

MIL-HDBK-57B(15)

P.C.M., INC.
 Bethlehem Pike Industrial Center
 204 Progress Dr.
 P.O. Box 840
 Montgomeryville, PA 18936

P

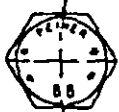
PEERLESS SCREW PRODUCTS
 286 Sandbank Rd.
 P.O. Box 13
 Cheshire CT. 06410-1537

P

PEINER UMFORMTECHNIK GmbH
 Woltorfer Strasse 20-24
 D-3150 Peine
 FEDERAL REPUBLIC OF GERMANY



Identification
mark



Grade
marking

Identification
mark



Grade
marking

Identification
mark



Grade
marking Lot no.

Identification
mark



Grade
marking

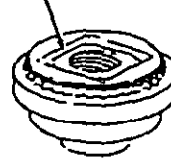
Identification
mark



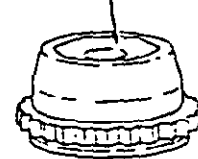
Grade
marking Lot no.

PENN ENGINEERING & MANUFACTURING CORP.
 5190 Old Easton Road
 Danboro, PA 18916

Square insert in
floating fasteners



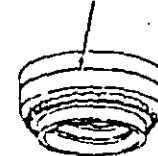
PEM trademark:
Blue-nylon® hexagonal
locking element



"Dimple" trademark



PEM 300™
identification mark








PENN SCREW & MACHINE WORKS, INC.
 2239 East Cambria Street
 Philadelphia, PA 19134

PSM
PSM

PERKINS MACHINE CO.
 4900 West Washington Boulevard
 Los Angeles, CA 90016



MIL-HDBK-57B(1S)

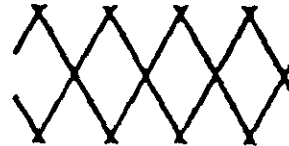
<p>PHOENIX SPECIALTY MANUFACTURING CO., INC. P. O. Box 418 Bamberg, SC 29003</p> <p><i>Plant</i> Highway 301 South Bamberg, SC 29003</p> 	<p>PIONEER MACHINE PRODUCTS, INC. 2200 Dolman St. Louis, MO 63104-4112</p> <p>PMP</p>
<p>PILGRIM SCREW CORP. <i>Providence Division</i> P. O. Box 1452 Providence, RI 02901</p> <p><i>Plant</i> 259 Dexter Street Providence, RI 02907</p> 	<p>PIONEER SCREW & NUT CO. 2700 York Road Elk Grove Village, IL 60007</p>   <p>Indented hex heads and indented hex washer heads</p> <p>All other head styles slash- dot symbol to appear on bearing surface upon request</p>
<p>PINE TAVERN MACHINE INC. 7851 Pine Tavern Road Perry, NY 14530</p> <p>PTM</p>	<p>PLAINVILLE MANUFACTURING CO., INC. 48 Lewis Street Plainville, CT 06062</p> 

MIL-HDBK-57B(1S)

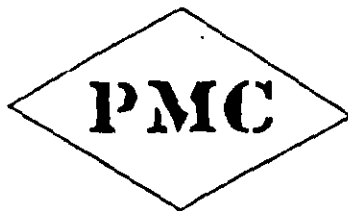
PNEU-HYDRO PRODUCTS, INC.
353 Richard Mine Road
Wharton, NJ 07885

PHP

PRECISION METAL PRODUCTS CO.
#7 Centennial Drive
Centennial Industrial Park
Peabody, MA 01961-6026



POINT MACHINE COMPANY
33 Cambridge Heights
P.O. Box 8055
Berlin, CT 06037-8055



PRECISION PIECE PARTS, INC.
712 S. Logan St.
Mishawaka, IN 46544



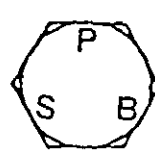
PORTLAND BOLT & MFG. CO.
P.O. Box 2866
Portland, OR 97208

Plant
1202 N.W. Irving
Portland, OR 97209

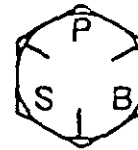
PB

PRECISION SCREW & BOLT, INC.
P.O. Box 600
Columbia Station, OH 44028

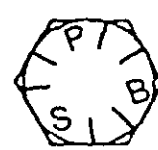
Plant
1515 Fairfield Ave.
Cleveland, OH 44113



GRADE 2

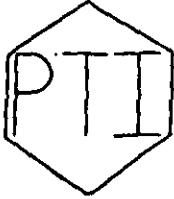







GRADE 5



GRADE 8




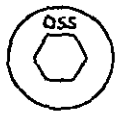
MIL-HDBK-57B(1S)

<p>PRECISION TECHNOLOGIES, INC. 1538 Industrial Ave. Ottawa, KS 66067</p> 	<p>H. PRINZ GmbH FABRIK FÜR VERBINDUNGSELEMENTE Postbox 5241 5970 Plettenberg FEDERAL REPUBLIC OF GERMANY</p> 
<p>PRECISIONMATICS CO., INC. Helmer Ave. West Winfield, NY 13491</p> 	<p>PRODUCT DEVELOPMENT GROUP, INC. P.O. Box 177 Rose Hill, KS 67133</p> 
<p>PREM INDUSTRIES, INC. P.O. Box 907 Niagra Falls, NY 14302-0907</p> <p>Plant 574-56th St. Niagra Falls, NY 14304</p> 	<p>PRODUCTION & TOOL COMPANY 240 Sargent Drive New Haven, CT 06511</p> 

MIL-HDBK-57B(1S)

<p>PRODUCTS DESIGN & MFG. CORP. P.O. Box 11429 Newington, CT 06111</p> <p><i>Plant</i> 76 Stanwell Rd. Newington, CT 06111</p> <p>8M938</p>	<p>PURITAS METAL PRODUCTS CORP. P. O. Box 35140 Cleveland, OH 44135</p> <p><i>Plant</i> 12305 Grimsby Avenue Cleveland, OH 44135</p> <p>PMP</p>
<p>PRO-MACHINE & TOOL COMPANY 115 Wholesale Ave., NE Huntsville, AL 35811</p> <p>PMT</p>	<p>PYE & HOGAN MACHINE CO. 167-1 Elm St. P.O. Box Av Old Saybrook, CT 06475</p> <p>MFR06320</p>
<p>P.S. MACHINE CO., INC. 1505 John Fetch Blvd. S. Windsor, CT 06095</p> <p>PS</p>	<p>QRP, INC. P.O. Box 3572 Reach Road & North Drive Williamsport, PA 17701-0572</p> <p>Q</p>

MIL-HDBK-57B(1S)

<p>QUALITY AIRCRAFT SCREWS, INC. 1030-A Ortega Way Placentia, CA 92670</p> <p>QAS</p>	<p>RABOURDIN 17-19 Route de Gornnay FRANCE</p> <p>GR</p>
<p>QUALITY FABRICATIONS, INC. 3270 Wolsen Drive Saugerties, NY 12477-9520</p> <p></p>	<p>RADAX INDUSTRIES, INC. 700 Basket Road Webster, NY 14580</p> <p></p>
<p>QUALITY SCREW PRODUCTS, INC. 35101 Schoolcraft Road P. O. Box 2355 Livonia, MI 48151</p> <p>Q</p>	<p>RAINBOW MACHINE PRODUCTS, INC. 226 Willis Road P.O. Box 1906 York, PA 17405</p> <p></p>
<p>QUALITY SOCKET SCREW MANUFACTURING CORP. Route 30, P. O. Box 437 Hampstead, MD 21074</p> <p></p> <p>Socket head cap screw head marked for I.D. QSS</p>	<p>RAM THREADING, INC. P. O. Box 987 Beaumont, TX 77704</p> <p><i>Plant</i> 2640 Crockett Beaumont, TX 77701</p> <p>R</p> <p>Centered over grade of material being stamped</p>

MIL-HDBK-57B(1S)

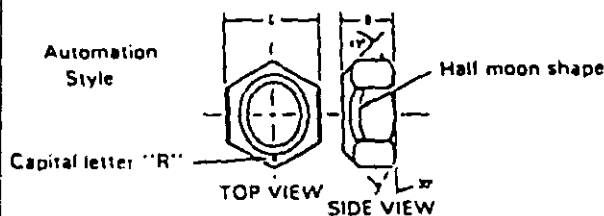
RAMAR NUTS, INC.
18407 Weaver St.
Detroit, MI 48228

R

RA-WHITE, INC.
967 West Hyde Park Boulevard
Inglewood, CA 90302



RAMCO SPECIALTIES INC.
5369 Hudson Drive
Hudson, OH 44236



RB & W CORP.
5970 Heisley Road
Mentor, OH 44060

Plants
Chicago, IL 60638
Cleveland, OH 44102
Coraopolis, PA 15108
Kent, OH 44240
Rock Falls, IL 61071

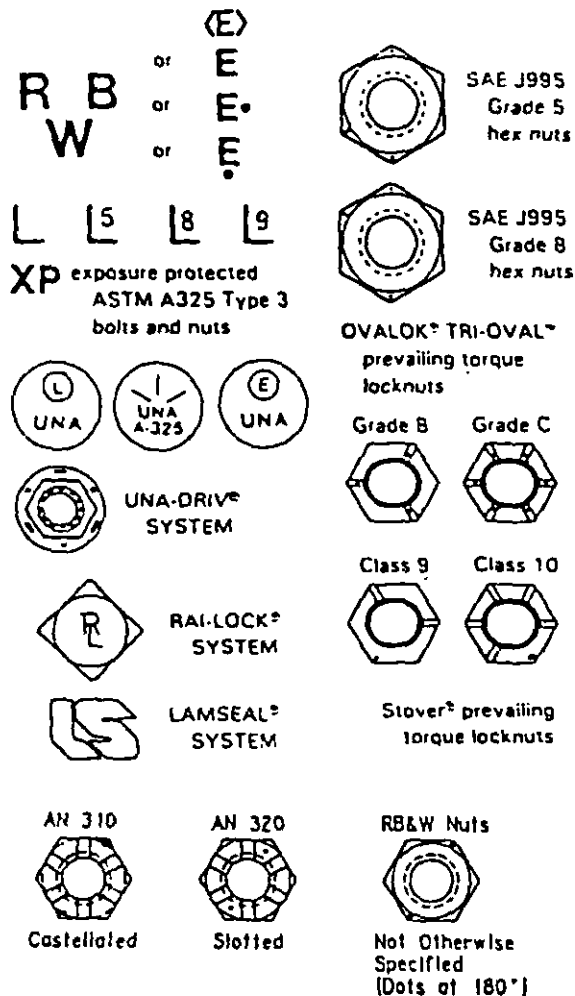
GRUPO RASSINI S.A. de C.V.
Rassini International, Inc.
617 East Huron Street
Ann Arbor, MI 48104

Plant
Tornillos Rassini S.A. de C.V.
Av. Electricidad Y E. Pugibet
Cd. Industrial, Xalostoc
Sta. Clara, Edo de Mexico
Apartado Postal 14-711
MEXICO D.F.

RR

Used to mark the following products:

- hex cap screws
- hex bolts
- hex nuts
- heavy hex structural bolts
- heavy hex nuts
- shackle bolts
- hex cone nuts
- wheelbolts



(CONT'D)

MIL-HDBK-57B(1S)

RB & W CORP. (CONT'D)



VIBRESIST®

locking screws

Grade F



Grade G



Grade A



Grade B



Grade C



Grade 5



Grade 8



VIBRESIST® hex locknut

Class 5



Class 9



Class 10



Grade 5



VIBRESIST® hex locknut

Grade 8



Class 9



Class 10



Grade B



Grade C



Class 9



Class 10



Class 9



Class 10



Type "GT"



R.E.C. CORP.
10 Beach Street
Mount Vernon, NY 10550

R

Used on all alloy and stainless steel bolts, studs, and nuts
over 1/2 in. in diameter.

REGAL AIR, INC.
P.O. Box 1011
108 E. Alabama
Mt. Pleasant, TX 75455-4521

4J976

REID PRODUCTS, INC.
21430 Waalew Rd.
Apple Valley, CA 92307

Rp

REPUBLIC FASTENER MANUFACTURING
CORP.
1300 Rancho Conejo Boulevard
Newbury Park, CA 91320

R

MIL-HDBK-57B(1S)

REXNORD
Specialty Fastener Division
3000 West Lomita Boulevard
Torrance, CA 90505



Tridair



Camloc Products
601 Route 46 West
Hasbrouck Heights, NJ 07604



Rosan Products
3130 W. Harvard St.
Santa Ana, CA 92704



RICHARD MFG. CO., INC.
250 Rock Lane
Milford, CT 06460



RING SCREW WORKS
31550 Stephenson Highway
Madison Heights, MI 48071

Fenton Heading
2480 Owen Road
Fenton, MI 48430



Ferndale Fastener
31600 Stephenson Highway
Madison Heights, MI 48071



Ring Screw Division
22100 Sherwood Avenue
Warren, MI 48091



Semco Fastener
4146 East Baldwin Road
Holly, MI 48442



Titan Fastener
10031 Holly Road
Holly, MI 48442



MIL-HDBK-57B(1S)

ROBBINS MANUFACTURING CO., INC.
1200 Airport Road
P. O. Box 704
Fall River, MA 02722



ROCKFORD BOLT & STEEL CO. (Subsidiary
of Varlen Corporation)
126 Mill Street
Rockford, IL 61101



ROCKFORD FASTENER INC.
P. O. Box 884
Rockford, IL 61105

Plant
725 South Street
Rockford, IL 61102



ROCKFORD PRODUCTS CORP.
707 Harrison Avenue
Rockford, IL 61108-7197



MISC.
OR LOW
CARBON



GENERAL
PURPOSE



GRADE 3



GRADE 5



GRADE 5



GRADE 5.1



GRADE 5.2



GRADE 6



GRADE 7



GRADE 8



GRADE 8



GRADE 8.2



DURLON



STAINLESS



SAE
J-1102



PST WITH
APPROPRIATE
GRADE



87



METRIC
GRADE 8.8



METRIC
GRADE 9.8



METRIC
GRADE 10.9



IND. HEX.
HEAT TREAT &
NO HEAT TREAT



IND. HEX.
GRADE 3



IND. HEX.
GRADE 5



IND. HEX.
GRADE 5.1



IND. HEX.
GRADE 6



IND. HEX.
GRADE 7



IND. HEX.
GRADE 8



IND. HEX.
STAINLESS



OLD STYLE
PLACE BOLT
GRADE 5



OLD STYLE
PLACE BOLT
GRADE 6



NEW STYLE
PLACE BOLT
GRADE 5



NEW STYLE
PLACE BOLT
GRADE 6



METRIC
NEW STYLE
PLACE BOLT
GRADE 9.8



METRIC
NEW STYLE
PLACE BOLT
GRADE 10.9



HEX. NUT
GRADE 5



HEX NUT
GRADE 6



LOW CARBON



ROCKALLOY
GRADE 8

MIL-HDBK-57B(1S)

<p>RONSON MANUFACTURING, INC. 9933 Chillicothe Road Kirtland, OH 44094</p> <p>R</p>	<p>RUMCO, INC. (CONT'D)</p> <div data-bbox="820 250 954 395"></div> <p>GRADE 5.1</p> <div data-bbox="1187 250 1321 395"></div> <p>GRADE 5.2</p> <div data-bbox="993 464 1128 609"></div> <p>GRADE 8</p>
<p>ROTAIR INDUSTRIES, INC. 964 Crescent Avenue P. O. Box 4098 ... Bridgeport, CT 06607</p> <div data-bbox="310 747 402 841"></div> <p>Rubber stamped on fasteners</p> <p>54878</p> <p>Commercial and Government Entry (CAGE) number affixed or rubber stamped</p>	<p>SABRE MANUFACTURING, INC. P.O. Box 11386 South Bend, IN 46634-0386</p> <p>S</p>
<p>RS MANUFACTURING, INC. 23480 Aurora Road Bedford Heights, OH 44146-1757</p> <p>RS</p> <div data-bbox="443 1259 672 1452"></div>	<p>SAFETY SOCKET SCREW CORP. 6501 North Avondale Avenue Chicago, IL 60631-1589</p> <div data-bbox="915 1292 997 1396"></div> <p>Diagonal head knurl</p> <p>SOCKET HEAD CAP SCREWS</p>
<p>RUMCO, INC. 985 Pauly Dr. Elk Grove Village, IL 60007</p> <div data-bbox="207 1649 342 1794"></div> <p>GRADE 2</p> <div data-bbox="581 1649 716 1794"></div> <p>GRADE 5</p>	<p>SAGA TEKKOSHO CO., LTD. 129-3 Takaya Fujisawa-city Kanagawa Pref., Japan</p> <div data-bbox="1008 1711 1143 1856"></div>

MIL-HDBK-57B(1S)

ST. LOUIS SCREW & BOLT CO.
6900 North Broadway
St. Louis, MO 63147



TYPE I



TYPE III

SATURN FASTENERS, INC.
P.O. Box 4006
Burbank, CA 91503

Plant
425 S. Varney St.
Burbank, CA 19502



SCANDIA MFG. CO., INC.
480 Brunswick Street
Baltimore, MD 21223

SCA

SALES SYSTEM, LIMITED
P.O. Box 7006
700 Florida Ave.
Portsmouth, VA 23707-1918

•S•

SCHUHL & CO. GmbH
Auf der Hütte 31
Niedersfeld
5788 Winterberg 5
FEDERAL REPUBLIC OF GERMANY

S

MIL-HDBK-57B(1S)

<p>WILHELM SCHUMACHER SCHRAUBEN- FABRIK GmbH Postfach 12 80 Am Preist 3 D-5912 Hilchenbach FEDERAL REPUBLIC OF GERMANY</p> <div data-bbox="159 493 251 596"> </div> <div data-bbox="272 507 414 590"> <p>Hex head screws and bolts</p> </div> <div data-bbox="462 501 532 605"> </div> <div data-bbox="548 507 711 590"> <p>Machine screws and other products</p> </div>	<p>SHACKELFORD MACHINING, INC. 2407 Ludelle St. Fort Worth, TX 76105</p> <p style="text-align: center; font-size: 2em;">S</p>
<p>SCOTT CRAFT CO. P.O. Box 430 Bell, CA 90201</p> <p>Plant 4601 Cecelia Street Cudahy, CA 90201</p> <div data-bbox="272 1098 557 1295"> </div>	<p>SHEFFIELD, INC. 1025 Winchester Avenue Kansas City, MO 64126</p> <p style="text-align: center; font-size: 2em;">S</p>
<p>SENG HENG ENGINEERING PTE LTD. No. 3 Eunus Avenue 8A Singapore REPUBLIC OF SINGAPORE</p> <p style="text-align: center; font-size: 2em;">\$</p>	<p>SHIGA BOLT CO., LTD. Otsu 423 Minami-Tsuchiyama Tsuchiyama-Cho, Kohga-Gun Shiga-Ken 528-02 JAPAN</p> <div data-bbox="971 1502 1161 1719"> </div>

MIL-HDBK-57B(1S)

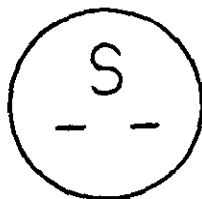
SHUR-LOK CORP.
2541 White Road
Irvine, CA 92714-9584



SKYSPARES PARTS, INC.
6660 View Park Court
Riverside, CA 92503



S.I. STUD, INC.
1127 Silber Rd.
Houston, TX 77055



SONIC INDUSTRIES, INC.
13210 South Western Avenue
Gardena, CA 90249



SIMMONDS FASTENER TECHNOLOGIES
INC.
181-A West Orangethorpe Avenue
Placentia, CA 92670

Simmonds S.A.
5 Rue Michelet
Boite Postale 52
F. 92152 Suresnes Cedex
FRANCE

SD

SOUTH BAY BOLT MANUFACTURING CO.
P. O. Box 5805
Compton, CA 90224

Plant
1775 West El Segundo Boulevard
Compton, CA 90222



MIL-HDBK-57B(1S)

SOUTHERN FASTENER CORPORATION
 1641 Conception Street Road
 Mobile, AL 36601

SF

SPACE AGE ENGINEERING, INC.
 4022 E. 26th Street
 Indianapolis, IN 46218

SAE

**SOUTHERN FASTENING SYSTEMS (Division
 of Farley Metals, Inc.)**
 P. O. Box 1360
 Statesville, NC 28677



Two notches for
 slotted hex heads

SPACE-LOK, INC.
 2526 North Ontario Street
 Burbank, CA 91504

SLI

**SOUTHWEST ALLIED PRODUCTS CO.,
 INC.**
 5565 Saddlewood Lane
 Brentwood, TN 37027



SPACE SCREW, INC.
 106 Standard Street
 El Segundo, CA 90254

SpSc

SOUTHWIND INDUSTRIES, INC.
 P.O. Box 98
 1646 Old Butler Plank Rd.
 Glenshaw, PA 15116-1730



SPECIALS, INC.
 P. O. Box 514
 103 Mainline Drive
 Westfield, MA 01086



MIL-HDBK-57B(1S)

SPECIAL-T-METALS

P.O. Box 14810
Lenexa, KS 66215

Plant
14740 West 101 Terrace
Lenexa, KS 66215

STM

SPECIALTY SCREW CORP.

P. O. Box 5003
Rockford, IL 61125

Plant
2801 Huffman Boulevard
Rockford, IL 61103

S

SPS TECHNOLOGIES

Corporate Headquarters
Newtown, PA 18940

SPS Technologies
Highland Avenue
Jenkintown, PA 19046

SPS Technologies
P. O. Box 1259
Santa Ana, CA 92702-1259

SPS Technologies
4444 Lee Road
Cleveland, OH 44128

SPS Inc.
P. O. Box 179
Anasco, Puerto Rico 00610

(CONT'D)

SPS TECHNOLOGIES (CONT'D)

The following characters are used alone or in combination with other digits/letters which designate material, size, strength grade, or part number to indicate SPS as the manufacturing source:

C	K	U
CCS	K-5673	U130
EWB [ⓐ]	KS	UNBRAKO [ⓐ]
EWN [ⓐ]	S	UWN
FNF	SPS [ⓐ]	56878
Hi PSI [ⓐ]	TJB	71838
Hi TI [ⓐ]	TM9	80539

The following distinctive patterns are also used to identify inch socket head cap screws:



Straight knurls with an unknurled band adjacent to the bearing surface on socket heads. The diameter over the straight knurl does not exceed the band. There may be 2 or 3 grooves near the band or a diamond knurl band at the top of head.



A raised or depressed triangle pointing from the wrenching flat toward thread on nut products






TBJ

SPURWAY COOKE INDUSTRIES PTE LTD.

2, Joo Koon Road
Jurong
Singapore 2262
REPUBLIC OF SINGAPORE

S
C I

MIL-HDBK-57B(1S)

<p>STALKER & DYSTHE, INC. 5100 E. Washington Blvd. Commerce, CA 90040</p> <p style="text-align: center; font-size: 2em;">SD</p>	<p>STEADFAST CORPORATION 229 Marginal St. Chelsea, MA 02150</p> <p style="text-align: center;">STEADFAST Corporation</p>
<p>STANDARD NUT & BOLT, INC. 49 Abbott Street Cumberland, RI 02864</p> <p style="text-align: center; font-size: 3em;">S</p>	<p>STEEL CITY BOLT & SCREW, INC. P.O. Box 1747 Birmingham, AL 35201</p> <p>Plant 230 West Valley Ave. Birmingham, AL 35209</p> <p style="text-align: center; font-size: 2em;">SCB</p>
<p>STANDARD TOOL & MACHINE CO. Box 11311 Pittsburgh, PA 15238</p> <p>Plant 208 Woodland Rd. Blawnox, PA 15238</p> <p style="text-align: center;"></p>	<p>STELCO FASTENER & FORGING CO. 1250 Appleby Line Burlington, Ontario L7L 5G6 CANADA</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="text-align: center;">  <p>Stelco trademark for most fasteners</p> </div> <div style="text-align: center;">  <p>Most other nuts and bolts, including metric</p> </div> </div> <div style="display: flex; justify-content: space-around; width: 100%; margin-top: 20px;"> <div style="text-align: center;">  <p>SAE Grade 5 hex nuts</p> </div> <div style="text-align: center;">  <p>SAE Grade 8 hex nuts</p> </div> </div> <p>(CONT'D)</p> </div>

MIL-HDBK-57B(1S)

STELCO FASTENER & FORGING CO.
(CONT'D)

CONELOK LOCKNUTS

Inch series



Grade B



Grade C

Metric series



Class 5



Class 9



Class 10

Bearing surface

HI-HEX CONELOK LOCKNUTS

Inch series



Grade B



Grade C

Metric series



Class 5



Class 9



Class 10

Bearing surface

STELFAST FASTENERS INC. (Division of
Stelfast Fasteners, Ltd.)

1710 Clarkstone Road

Cleveland, OH 44112

1/4 in. through 3/4 in. hex cap
screws, heavy hex bolts, square
head bolts, and specialty exter-
nally threaded fasteners, cold
headed



3/4 in. through 2 1/4 in. reg. hex
bolts, heavy hex bolts, square
head bolts, and specialty exter-
nally threaded fasteners, hot
headed



1/4 in. through 2 1/2 in. studs

2 3/8 in. through 3 in. reg. hex
bolts, heavy hex bolts, square
head bolts, hot headed, and
specialty externally threaded
fasteners

STERLING MACHINE CO., INC.

119 Post Rd.

P.O. Box 3317

Enfield, CT 06082-1779



STERLING MFG. & SUPPLY, INC.

P.O. Box 8205

Fort Worth, TX 76124-0205

Plant

3623 E. Vickery Blvd.

Fort Worth, TX 76105



or

60529

Steel stamped
or
Embossed
or
Rubber stamped

MIL-HDBK-57B(IS)

STEVENS MFG. CO., INC.
P.O. Box 3041
Milford, CT 06460

Plant
280 Rock Lane
Milford, CT 06460

MFR 8F781

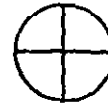
8F781

STILLWATER FASTENERS, INC.
25 Gurney Road
P. O. Box 128
East Freetown, MA 02717

SW & ..

Symbols are "SW", ampersand ("&") or "..."

STRENKERT MACHINE SHOP INC.
RD #2, Box 759
Indian Brook Road
Greene, NY 13778



STURM MACHINE CO., INC.
9846 Owensmouth Avenue
Chatsworth, CA 91311

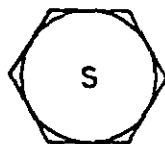


SUBURBAN INDUSTRIES, INC.
11901 Franklin Ave.
Franklin Park, IL 60131

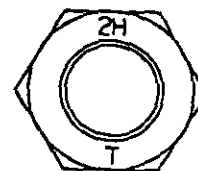
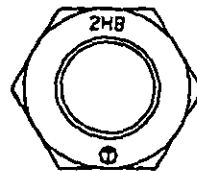
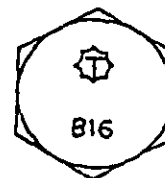
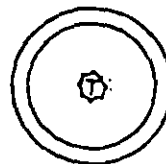
SII

MIL-HDBK-57B(IS)

SULLIVAN BOLT CO., INC.
3435 South Malt Avenue
Commerce, CA 90040



TAKENAKA SEISAKUSHO CO., LTD.
178 Hishie
Higashi Osaka City
578 JAPAN



S V INDUSTRIES
385 North Sherman Avenue
Corona, CA 91720

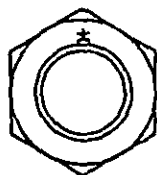
SV

TANAKA LTD.
1-10-6 Tezukayama-naka,
Sumiyoshi-ku, Osaka



SDC

TAIYO NUT MFG. CO., LTD.
2-6-12 Kouzen, Ikarugacho,
Ikoma-Gun, Nara, Japan



TEBCO THREADED FASTENERS (Division of
Tennessee Bolt & Screw Co.)
2700 Summer Avenue
Memphis, TN 38112

Plant
665 Scott Street
Memphis, TN 38112



MIL-HDBK-57B(1S)

TECHNICAL FASTENERS, INC.
P.O. Box 78194
Shreveport, LA 71137-8194

Plant
1049 Grinnett Dr.
Shreveport, LA 711076

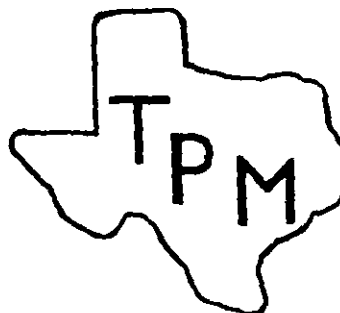


TEXAS BOLT CO.
P. O. Box 1211
Houston, TX 77251-1211



TEXAS PRECISION MFG., INC.
P.O. Box 3640
Lubbock, TX 79452

Plant
1204 E. 46th Street
Lubbock, TX 79404



TELEFAST INDUSTRIES, INC.
400 North Rocky River Drive
Berea, OH 44017



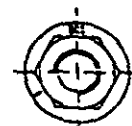
TENS MACHINE CO., INC.
800 Grundy Ave.
Holbrook, NY 11741



BOULONNERIE DE THIA NT
B.P. 4
59224 Thiant
FRANCE



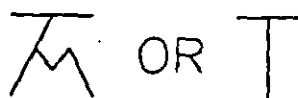
This marking appears on all hex nuts with or without deflection marks. The three raised lines in the corner indicate "Thiant" as manufacturer. (Clockwise system for grade.)



This marking appears on all flange nuts. The three raised lines on the flange indicate "Thiant" as manufacturer. (Clockwise system for grade.)

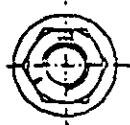
(CONT'D)

TERRY MACHINE CO.
5331 Dixie Hwy.
P.O. Box 487
Waterford, MI 48095

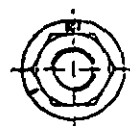


MIL-HDBK-57B(1S)

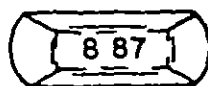
BOULONNERIE DE THIA NT (CONT'D)



This marking appears on flange nuts when no mark is acceptable on the flange. Three depressed lines indicate "Thiant" as manufacturer. (Clockwise system for grade.)



This marking appears on flange nuts when raised marks are not accepted. Three depressed lines indicate "Thiant" as manufacturer. (Clockwise system for grade.)



TRACKS FASTENERS



HIGH STRENGTH STRUCTURAL BOLT



HOT FORGED BOLTS

3V FASTENERS
1651 B Market Street
Corona, CA 91720

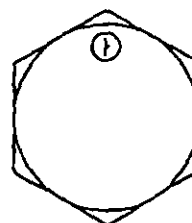
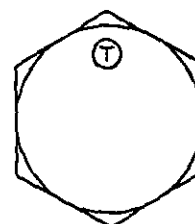
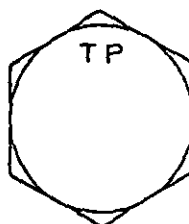
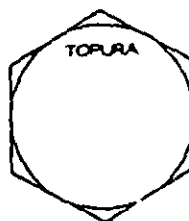


TOKOSHA METAL WORKS LTD.
No. 7-22, 3-chome, Nakngama-Nishi,
Ikuno-ku, Osaka. JAPAN


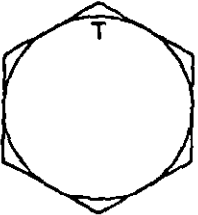

TKS

TOPURA CO., LTD.
2-50 Yayoi-Cho
Higashiosaka-Shi
Osaka 579 JAPAN

Plant
201 Soya, Hadono-Shi
Kanagawa 257 JAPAN



MIL-HDBK-57B(IS)

<p>TOWNE ROBINSON FASTENER CO. Key Manufacturing Group, Inc. 24175 Northwestern Hwy. P.O. Box 232 Southfield, MI 48037</p> <p>Plant 4401 Wyoming Ave. P.O. Box 188 Dearborn, MI 48121</p> <p>TR</p>	<p>TRIAD PRODUCTS CORP. 15241 N. E. 92nd Redmond, WA 98052</p> 
<p>TOWNSEND CO. Cerry Rivet Division 1224 E. Warner Ave. Santa Ana, CA 92707</p> <p>T Aircraft blind rivets. C Aircraft lockbolts.</p>	<p>TRIUMPH MANUFACTURING CO., INC. P.O. Box 380148 750 Tolland St. East Hartford, CT 06138-0148</p> <p>TRI</p>
<p>TOYO STEEL WIRE CO., LTD. 3-9-45 Tsurubara Izumisano-sbi, Osaka 598 Japan</p>  <p>T</p>	<p>TRU-FIT PRODUCTS CORP. <i>Tru-Weld Division</i> 460 Lake Road Medina, OH 44256</p> <p>TF</p> 

MIL-HDBK-57B(1S)

TRW
Fasteners Division
265 Third Street
Cambridge, MA 02142

PAL

Logo Stampings Used on
Brass Snap Fastener Components

PULL THE
DOT

Part No. 18100

TRW

TRW

Part No. 16506

DOT

(DOT)
(DOT)

Part Nos. 10412
and 10413

□

Part No.
22201

⊙

TRW
(DOT)
(DOT)

Part Nos. 10224, 12206, 10412,
10413, 10414, 90307

THE LIFT
DOT

Part Nos. 16205 and 16206

Nelson Stud Welding Division
2707 Toledo Avenue
Lorain, OH 44055

Plant
7900 West Ridge Road
P. O. Box 4019
Elyria, OH 44036-2019

N

TRY - AZTEC COMPANY
P.O. Box 6191
Tehachapi, CA 93561-6191

Plant
1314 B Goodrick Dr.
Tehachapi, CA 93561-6191

JA or JA

TUFF FASTENERS CO.
14913 Gwen Chris Ct.
Paramount, CA 90723

Plant
7310 Adams Street, Unit H
Paramount, CA 90723

T

ULTRA SONIC MACHINE CO., INC.
1313 West 135th St.
Gardena, CA 90247










USMC
1

USMC
2

USMC
3

USMC
4

MIL-HDBK-57B(1S)

<p>UMPCO CORP. P.O. Box 5158 12300 Industry Street Garden Grove, CA 9264</p> 	<p>UNITED BOLT & SCREW CORP. 10555 Haggerty Avenue Dearborn, MI 48126</p> 
<p>UNIFLOW CORP. 26600 Heyn Drive P. O. Box 705 Novi, MI 48050</p> 	<p>UNITED PRECISION PRODUCTS CO., INC. 25040 Van Born Road Dearborn Heights, MI 48125-2095</p> 
<p>UNIMETRIC CORP. Box 4529 5 Tripps Lane East Providence, RI 02915-4529</p> 	<p>UNITED STEEL & FASTENERS INC. 1500 Industrial Drive Itasca, IL 60143</p>  <p>Identification used on all large bolts</p>  <p>Identification used on all small bolts and on the shoulders of nuts</p> 
<p>UNISTRUT CORP. Unistrut Phila 761 Fifth Ave. King of Prussia, PA 19406-1435</p> <p>Plant UNISTRUT CORP. Wayne Mfg. Div. 35660 Clinton Wayne, MI 48184</p> <p>UNISTRUT</p> 	

MIL-HDBK-57B(1S)

U.P. MACHINE & ENGINEERING CO.
210 North Third Street
P. O. Box 400
Powers, MI 49874

UPME

VALCOR ENGINEERING CORP.
2 Lawrence Road
Springfield, NJ 07081

VALCOR

URANIA ENGINEERING CO., INC.
SPEC-NUT[®]
198 South Poplar Street
Hazleton, PA 18201

U

VALLEY-TODECO
12975 Bradley Avenue
Sylmar, CA 91342

**T
V**

URBAN MANUFACTURING CO.
P. O. Box 4260
161 East Herman Street
Philadelphia, PA 19144-2050

U

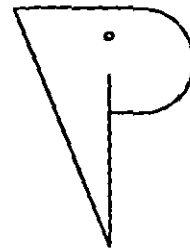
VT

MIL-HDBK-57B(1S)

VAN PETTY MFG., INC.
1168 Tourmaline Dr.
Newbury Park, CA 91320



VIP MFG. & ENGR. CORP.
1084 Martin Ave.
Santa Clara, CA 95050



V-B MACHINE CO., INC.
Fasteners Division
1645 West 135th Street
Gardena, CA 90249



VISSERIES & BOULONNERIES DE
FOURMIES
2 Rue du Chauffour
59610 Fourmies
FRANCE

VERSATECH, INC.
P.O. Box 175
110 Cheswick Ave.
Cheswick, PA 15024



F.K

Grade 8.8 and over

VICTOR PRODUCTS CORP.
2635 West Belmont
Chicago, IL 60618



VITCO NUCLEAR PRODUCTS INC.
Willoughby, OH 44094



MIL-HDBK-57B(1S)

VOSS INDUSTRIES, INC.
Voss Aerospace Division
2168 West 25th Street
Cleveland, OH 44113



E A

V

VSI
AEROSPACE PRODUCTS DIVISION
8463 Higuera Street
Culver City, CA 90232-0512

Plant
Voi-Shan Division
4001 Inglewood Avenue
Redondo Beach, CA 90278

VS

VULCAN RIVET & BOLT CORP.
P. O. Box 170129
Birmingham, AL 35217

Plant
1020 Pinson Valley Parkway
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

WALKER BOLT MANUFACTURING CO.,
INC.
P. O. Box 38502
Houston, TX 77238-8502

WB

MIL-HDBK-57B(1S)

WATERBURY BUCKLE CO.
952 South Main Street
Waterbury, CT 06721



WAYNE BOLT & NUT CO., INC.
14471 Livernois Avenue
Detroit, MI 48238



WEBLUK MACHINE CORP.
4959 Commerce Parkway
Warrensville Heights, OH 44128



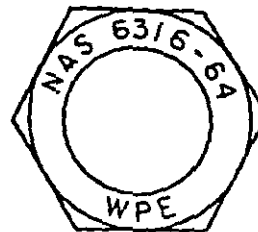
WELTON ROLLED THREAD CORP.
1818 Glendale Blvd
Los Angeles, CA 90026-1795



WEST COAST AEROSPACE, INC.
812 Miraflores St.
San Pedro, CA 90731



**WESTERN PACIFIC ENTERPRISES,
W.P.E., INC.**
8110 Remmet Ave.
Canoga Park, CA 91304



WESTERN SKY INDUSTRIES, INC.
Div. of Atlas Corp.
21300 Cloudway
Hayward, CA 94555



WESTFIELD FASTENERS
125 N. Elm St.
Westfield, MA 01085



WHAIL BOLT IND. CO., LTD.
779-2, Wonsi-Dong, Ansan
Kyungki-Do
KOREA



GRADE 5 HEX
CAP SCREWS

GRADE 8 HEX
CAP SCREWS

MIL-HDBK-57B(1S)

WHITNEY SCREW CORP.
14A Broad Street
P. O. Box 784
Nashua, NH 03061



WILT PRECISION PRODUCTS
P.O. Box 69
Dover, PA 17315

Plant
1550 E. Canal Street
Dover, PA 17315

Wpp

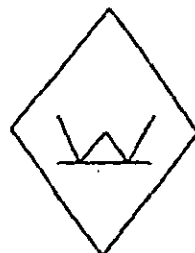
WHITTET-HIGGINS CO.
33 Higginson Avenue
Central Falls, RI 02863



WODIN, INC.
5441 Perkins Road
Bedford Heights, OH 44146



WILLIAM'S MACHINE &
FABRICATION, INC.
700 Delay Drive
P.O. Box 22235
Eugene, OR 97402

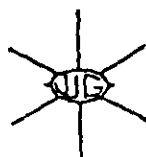


WOLTERS GmbH
Ottilienstr 19
D-4830 Gutersloh
WEST GERMANY



WILSON-GARNER CO.
P. O. Box 500
Clawson, MI 48017

Plant
1621 Northwood Drive
Troy, MI 48084

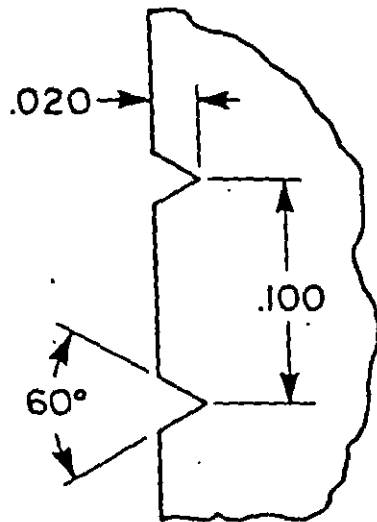


WH

LE

MIL-HDBK-57B(1S)

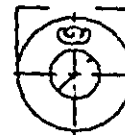
WOLVERINE MACHINE PRODUCTS CO.
 319 Cogshall St.
 P.O. Box 209
 Holly, MI 48442



WROUGHT WASHER MANUFACTURING INC.
 2100 South Bay Street
 Milwaukee WI 53207



Marking for medium carbon heat treated washers compatible with Grade 5 and Grade 8 bolts



Marking for low carbon washers

WOLVERINE NUT CO.
 6556 East McNichols
 Detroit, MI 48212



3 dots, centered on corner,
 equally spaced

WYANDOTTE INDUSTRIES, INC.
 4625 13th Street
 Wyandotte, MI 48192



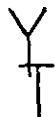
XCEL MFG., INC.
 P.O. Box 239
 Elyria, OH 44036-239

Plant
 5165 Mills Industrial Parkway
 North Ridgeville, OH 44039



MIL-HDBK-57B(1S)

YATES TOOL, INC.
2425 Medina Road
Medina, OH 44256



Either electroetched, steel stamped,
vibropeened, or ink stamped

ZAMON CO., INC.
Endicott St., Bldg. 23
Norwood, MA 02062



Z & B GENERAL MACHINE
569 Hulmeville Ave.
Penn del, PA 19047



ZENEX CORPORATION
850 Elmburst Rd.
Elk Grove Village, IL 60007

ZENEX

MIL-HDBK-57B(IS)

Preparing Activity:

DLA - IS

(Project No. 53GP-D003)



DEFENSE LOGISTICS AGENCY
DEFENSE INDUSTRIAL SUPPLY CENTER
 700 ROBBINS AVENUE
 PHILADELPHIA, PA 19111-5008



APPLICATION FOR FASTENER HEADMARKING REGISTRATION

 (Company name as it will appear in the listing)

 (Department, division, etc., if it is to appear in the listing)

Location (give full address, Zip or mail code, telephone, Telex, etc., and name of contact person)

Corporate/Mailing

Plant (if different)

Our Company is a: fastener manufacturer ()
 fastener supplier/distributor ()

Telephone: () _____

Corporate Telex #: _____

Contact Name: _____

Telecopier #: _____

Title: _____

1. Enclose the **LATEST MARKINGS USED ON YOUR FASTENERS** for company identification, as well as a **VERBAL DESCRIPTION** of the marking. (Please indicate this information exactly as you wish it to be included in the listing; include CAMERA READY COPY, labeled or tagged with company/division/plant name.) Sketches will not be acceptable.
2. If your company manufactures more than one type of fastener, include a camera ready copy of that symbol for each product. Also provide a verbal description of the symbol for each product.
3. If your company has plants in various locations, please provide DISC with the symbol (and verbal description of that symbol) used for each product at each location, as well as the name and phone number of a specific individual at that location.
4. All information must be supplied in the English language.

**NOTE: WE ENCOURAGE YOU TO DUPLICATE THIS REGISTRATION FORM
AND FORWARD IT TO YOUR VARIOUS PLANTS**

Signed: _____
 (Signature must be by company officer or designee)

Title: _____

Date: _____

INSTRUCTIONS: In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (**DO NOT STAPLE**), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

NOTE: This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

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DEFENSE LOGISTICS AGENCY



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Defense Industrial Supply Center
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700 Robbins Avenue
Philadelphia, PA 19111-5096



STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MIL-HDBK-57B(1S)		2. DOCUMENT TITLE LISTING OF FASTENER MANUFACTURERS' IDENTIFICATION SYMBOLS	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION (Mark one) <input type="checkbox"/> VENDOR <input type="checkbox"/> USER <input type="checkbox"/> MANUFACTURER <input type="checkbox"/> OTHER (Specify): _____	
b. ADDRESS (Street, City, State, ZIP Code)			
5. PROBLEM AREAS			
a. Paragraph Number and Wording:			
b. Recommended Wording:			
c. Reason/Rationale for Recommendation:			
6. REMARKS			
7a. NAME OF SUBMITTER (Last, First, MI) - Optional		b. WORK TELEPHONE NUMBER (Include Area Code) - Optional	
c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional		8. DATE OF SUBMISSION (YYMMDD)	