

BALLS



SPECIFICATIONS

MS9461
MS19059—MS19064
MS134351—MS134400
MS150451—MS150500

MATERIALS

Brass
Bronze
Monel
1/8 Stainless Steel
Type 440 Stainless Steel
Steel

BEARINGS, BALL



SPECIFICATIONS
MS20200—MS20202
MS20206
MS20207

MATERIAL
Steel

BEARINGS, SINTERED



SPECIFICATIONS
NAS429
NAS430

MATERIAL
Sintered Metal (Copper or Iron Base)

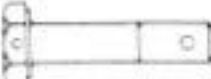
BEARINGS, BALL ROD END



SPECIFICATIONS
NAS431
NAS432

MATERIALS
Steel
CRES Steel

BOLTS, AIRCRAFT



SPECIFICATIONS
AN3—AN20
AN173—AN186
AN101001—AN108200
MS20073
MS20074
NAS501

(Continued)

NAS673—NAS678
NAS1003—NAS1020
NAS1261—NAS1270
NAS1588

MATERIALS

Aluminum
CRES Steel
Stainless A286
Steel
Duralloy

BOLTS, CARRIAGE



SPECIFICATIONS
ANSI B18.5 1971
MS16207
MS35751

MATERIALS

Aluminum
Silicon Bronze
Steel
CRES Steel

BOLTS, CLEVIS



SPECIFICATIONS
ANSI B18.8 1-1972
AN21—AN36

MATERIALS
Steel
CRES Steel

BOLTS, ELEVATOR



SPECIFICATION
ANSI B18.5 1971

MATERIAL
CRES Steel
Steel

BOLTS, EYE



SPECIFICATIONS

IF1
AN42—AN49

MATERIALS
Steel
CRES Steel

BOLTS, HEX HEAD



(Continued)

SPECIFICATIONS

ANSI B18.2 1-1972
MS16205
MS16206
MS16208

MATERIALS

Alloy Steel
CRES Steel
Monel
Silicon Bronze
Titanium

NOTE: Can be furnished drilled and undrilled.

BOLTS, INTERNAL WRENCHING

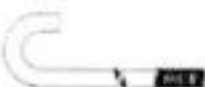


SPECIFICATIONS
MS20004—MS20024
NAS144—NAS158

MATERIALS

Alloy Steel

BOLTS, "J"



SPECIFICATIONS
NAS3203—NAS3210

MATERIALS
Steel
CRES Steel

BOLTS, LAG



SPECIFICATIONS
ANSI B18.2 1-1972
MS16202
MS16209
MS16230—MS16233
MS16992

MATERIALS

Steel
CRES Steel
Silicon Bronze

BOLTS, PLACE



SPECIFICATIONS
MS35763
MS35764

MATERIALS
Alloy Steel
Steel

BOLTS, PLOW



SPECIFICATION
ANSI B18.9 1958

MATERIALS

Alloy Steel
Steel

BOLTS, "HI-TORQUE"



100° Flat Head

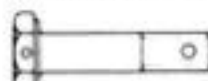
SPECIFICATIONS

NAS583—NAS590
NAS663—NAS668
NAS1083—NAS1088
NAS1121—NAS1128
NAS1131—NAS1138
NAS1141—NAS1148
NAS1151—NAS1158
NAS1161—NAS1168
NAS1171—NAS1178
NAS1181—NAS1188
NAS1216—NAS1221
NAS1253—NAS1260

MATERIALS

Alloy Steel
CRES Steel
CRES Steel A 286

BOLTS, SELF-LOCKING

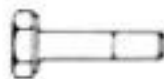


Nylon, Long Lok and nylon patch

SPECIFICATIONS
MIL F 18240
NAS1223—NAS1235

INSERT MATERIAL
Nylon

BOLTS, SHEAR



SPECIFICATION
NAS1588

MATERIAL
CRES Steel

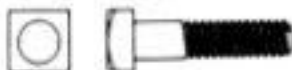
BOLTS, SHOULDER



SPECIFICATIONS
MS1975
NAS1297—NAS1299

MATERIALS
Alloy Steel
CRES Steel

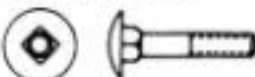
BOLTS, SQUARE HEAD



SPECIFICATIONS
ANSI B18.2.1-1972
MS35354-MS35356

MATERIALS
Steel
CRES Steel
Monel
Titanium

BOLTS, STEP



SPECIFICATIONS
Allmetal C5934-3
MS35752

MATERIALS
Steel
CRES Steel

BOLTS, STOVE



Round or Flat Head
SPECIFICATION
Commercial specifications

MATERIALS
Steel
CRES Steel
Brass

BOLTS, STRUT



SPECIFICATION
Commercial specifications

MATERIALS
Aluminum
CRES Steel

BOLT, "T" HEAD



MATERIALS
Steel
CRES Steel

BOLTS, TWELVE POINT HEAD

External Wrenching
Also available commercially as a
Count-R-Bore® Screw



SPECIFICATIONS
MS9033-MS9039
MS9060-MS9066
MS9088-MS9094
MS9110-MS9113
MS9146-MS9163
MS9169-9175
MS9177
MS9178
MS9183-MS9192
MS9206-MS9224
MS9554-MS9580
MS21250
MS21277-MS21294
NAS24-NAS644
NAS1271-NAS1280
NAS1586

MATERIALS
Alloy Steel
Steel
CRES Steel
Titanium

BOLTS, "U"



SPECIFICATIONS
NAS3103-NAS3110

MATERIALS
Steel
CRES Steel

BOLTS, WELD



SPECIFICATIONS
MS51933
MS51934

MATERIAL
Steel

BUSHINGS, PLAIN & FLANGED



SPECIFICATIONS
NAS75-NAS77
NAS537-NAS538

MATERIALS
Alloy Bronze
Steel

BUSHINGS, PULLEY



SPECIFICATIONS
NAS382-
NAS383

MATERIALS
Phenolic
Steel

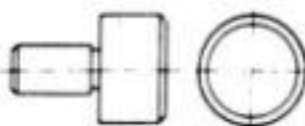
BUSHINGS, REDUCING



Available in reductions to standard
increments and to customer speci-
fications

MATERIALS
Steel
CRES Steel

BUTTONS, JIG



SPECIFICATION

MATERIAL
CRES Steel

BUTTONS, PLUG



SPECIFICATION
NAS451

MATERIALS
Brass
Steel

CAPS, PROTECTIVE



SPECIFICATIONS
NAS810-NAS820
NAS945-NAS947

MATERIALS
Plastic

CAP SCREWS, HEX HEAD



SPECIFICATIONS
ANSI B18.2.1-1972
MS16208
MS18153
MS18154
MS35289-MS35300
MS35303-MS35314
MS51093-MS51112
MS90725-MS90728

MATERIALS
Aluminum
Brass
Monel
Nylon
Steel
CRES Steel
Titanium

CAP SCREWS, SLOTTED BUTTON HEAD



SPECIFICATIONS
ANSI B18.6.2-1972
FF-S-85A

MATERIALS
Steel
CRES Steel

CAP SCREWS, SLOTTED FLAT HEAD



SPECIFICATIONS
ANSI B18.6.2-1972
FF-S-85A
MS16218

MATERIALS
Brass
Steel
CRES Steel

CAP SCREWS, BUTTON SOCKET HEAD



Hex and Spine Socket

SPECIFICATIONS
ANSI B18.3-1969

MATERIALS
Alloy Steel
Brass
Monel
CRES Steel

CAP SCREWS, FLAT SOCKET HEAD



Hex and Spine Socket

SPECIFICATIONS
ANSI B13.3 1969
MS24667
MS24671

MATERIALS
Alloy Steel
Monel
CRES Steel

CAP SCREWS, HEX SOCKET



Hex and Spine Socket

SPECIFICATIONS
ANSI B13.3 1969
MS16995-MS16998
MS21262 (self lock)
MS21295 (self lock)
MS24673-MS24678
MS35455-MS35461
NAS608
NAS609
NAS1351
NAS1352

MATERIALS
Alloy Steel
CRES Steel (#16-18)
CRES Steel (#16)
CRES Steel (#10)
CRES Steel (#16)
Monel

CHAIN, BEAD



SPECIFICATION
NAS1201

CLAMPS, HOSE



SPECIFICATIONS
Aircraft and commercial specs
MATERIAL
Steel

CLAMPS, LOOP TYPE



Plain and Cushioned

SPECIFICATIONS
AN735-AN742
MS9024
MS9025
MS9352-MS9354
MS21322
MS21323
MS21333
MS21334
MS21919
MS21920
MS25781
NAS1397
NAS1712

MATERIALS
Aluminum
Nylon
Steel
CRES Steel

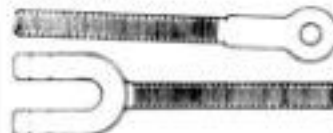
CLEVIS, END TURNBUCKLE



SPECIFICATIONS
MS21252
MS21253

MATERIALS
Alloy Steel
Steel

CLEVIS



Rod End & Turnbuckle

SPECIFICATION
MS27120

MATERIAL
Steel

CLIPS, LOCKING



SPECIFICATION
MS21256
MATERIAL
CRES Steel

CLIPS, SPRING



SPECIFICATIONS
NAS1463
NAS1464

MATERIALS
Beryllium Copper
Steel

CLIPS, SPRING TENSION



SPECIFICATION
MS17160

MATERIALS
Beryllium Copper
Steel

CLIPS, WIRE ROPE



SPECIFICATIONS
NAS1046-NAS1053

MATERIALS
Alloy Steel
Steel

COLLARS, LOCKBOLT



SPECIFICATION
NAS1080

MATERIALS
Aluminum
Steel

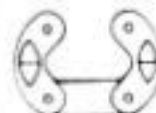
COLLARS, SETSCREW



SPECIFICATION

MATERIAL
CRES Steel

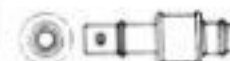
CONNECTING LINK



SPECIFICATION
NAS1286

MATERIAL
Steel

CONNECTOR, PARACHUTE



SPECIFICATIONS
MS22011

MATERIALS
CRES Steel

COUPLING, TUBE



SPECIFICATION
NAS424

MATERIALS
Alloy Steel
Steel

EYELETS, ELECTRICAL



SPECIFICATIONS
Commercial and customers'

MATERIALS
Brass
Steel

FASTENERS, SNAP & CURTAIN



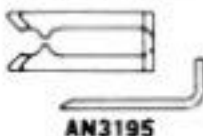
PLATE

POST
STUD

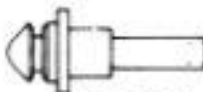
SPECIFICATIONS
AN227
MS27977-MS27986

MATERIALS
Brass
Steel

FASTENERS, SNAPSLIDE



AN3195



MS 21324

SPECIFICATIONS
AN3195—AN3199
MS21323—MS21326
MS21332

MATERIALS
CRES Steel

FITTINGS, AIRCRAFT



MS 20822

SPECIFICATIONS
MS20757—MS20913

MATERIALS
Alloy Steel
Brass
Copper Alloy
Steel
CRES Steel

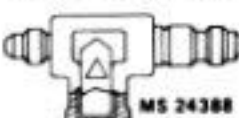
FITTINGS, COMMERCIAL



To commercial and customer specs

MATERIALS
Brass
Steel
CRES Steel

FITTINGS, PRECISION TYPE



MS 24388

SPECIFICATIONS
MS24388—MS24405

MATERIALS
Aluminum Alloy
CRES Steel

FITTINGS, LUBRICATION



SPECIFICATIONS
MS15001—MS15006

MATERIALS
Monel
Steel

FITTINGS, TIE DOWN



SPECIFICATIONS
NAS1211—NAS1213

MATERIALS
Various

GASKETS, ANNULAR



SPECIFICATIONS
AN123020—AN123119

MATERIALS
Aluminum & Asbestos

GASKETS, FITTING & COUPLING



AN893

SPECIFICATIONS
AN886—AN904

MATERIALS
Bronze
CRES Steel

GROMMETS, EDGING



SPECIFICATION
MS21266

MATERIAL
Nylon
TPE

GROMMETS, ELASTIC



AN931

SPECIFICATIONS
AN931
MS35489
MS35490

MATERIAL
Rubber

GROMMETS, FLIP-TYPE



SPECIFICATION
NAS1368
MATERIAL
Plastic

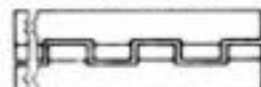
GROMMETS, SPLIT



SPECIFICATION
NAS557

MATERIAL
Nylon

HINGES, CONTINUOUS



AN257

SPECIFICATIONS
AN251
AN257
MS20257
MS35821—MS35831

MATERIALS
Aluminum Alloy
Brass
Bronze
Steel
CRES Steel

HINGES, STRUCTURAL



SPECIFICATION
MS20001

MATERIAL
Aluminum

INSERTS



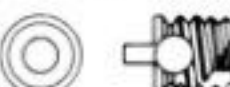
HELICOIL



HELICOIL SCREW LOCK



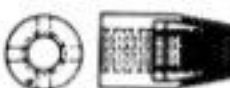
TAPLOK



NAS1394, NAS1395

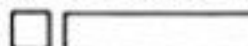


DODGE



DODGE CLINCH

KEYS, MACHINE



SPECIFICATIONS
ANSI B17.1 1967
MS20065—MS20068

MATERIALS
Alloy Steel
Carbon Steel
CRES Steel

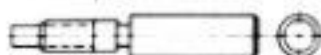
KEYS, WOODRUFF



SPECIFICATIONS
ANSI B17.2 1967
AN280
AN122776—AN122802
MS9841
MS21261
MS35756

MATERIALS
Alloy Steel
Carbon Steel
CRES Steel

LEGS, JIG



MATERIAL
CRES Steel

LOCKWIRE



SPECIFICATIONS
AN995
MS20995

MATERIALS
CRES Steel
Monel

NAILS



MATERIALS
18 & Type 316 CRES Steel
Copper
Monel
Nylon

NUTS, AIRCRAFT

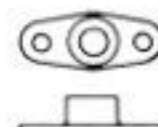


AN315

SPECIFICATIONS
AN315
AN316
AN121501—AN121550
AN150401—AN150425
MS9200
MS9201
MS9356
MS9357
MS9360—MS9362
NAS509

MATERIALS
Aluminum
Steel
CRES Steel
Stainless A 286

NUTS, ANCHOR



NAS680-687

SPECIFICATIONS
Commercial (SPS)
AN361
AN362
AN366
MS20501
MS21049—MS21060
MS21063—MS21068
MS21073—MS21082

(Continued)

MS21088, MS21089
NAS680—NAS1041
NAS1067
NAS1068

MATERIALS
Aluminum
Steel
CRES Steel

NUTS, BATTERY



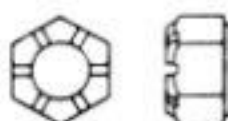
SPECIFICATIONS
Commercial
MATERIALS
Aluminum
Steel
CRES Steel
CRES Steel A 286

NUTS, CAP (ACORN)



SPECIFICATIONS
MS24679
MS24680
MATERIALS
Aluminum
Brass
Monel
Steel
CRES Steel

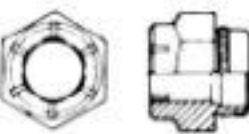
NUTS, CASTELLATED



SPECIFICATIONS
ANSI B18.2.2-1972
AN310
AN320
AN330
AN121551—AN121600
MS9358
MS9359
MS21025

MATERIALS
Aluminum
Steel
CRES Steel
CRES Steel A 286

NUTS, CLINCH



(Continued)

SPECIFICATIONS
Commercial (SPS)

MATERIALS
Aluminum
Steel
CRES Steel

NUTS, CLIP-ON



SPECIFICATIONS
Commercial
MATERIAL
Steel

NUTS, CONDUIT



SPECIFICATIONS
Commercial
MATERIALS
Brass
Monel
Steel
CRES Steel

NUTS, ELECTRICAL



SPECIFICATIONS
MS25082
NAS543
MATERIALS
Brass
Steel
CRES Steel

NUTS, FLANGE



SPECIFICATIONS
Industrial Fasteners Institute
Commercial
MATERIALS
Brass
Steel
CRES Steel

NUTS, HEX, FINISHED



SPECIFICATIONS
Commercial
MS16203
MS35690

MATERIALS
Aluminum
Brass
Monel
Nylon
Steel
CRES Steel
Titanium

NUTS, HEX, FINISHED JAM



SPECIFICATIONS
Commercial
MS16203
MS35691

MATERIALS
Aluminum
Brass
Monel
Nylon
Steel
CRES Steel
Titanium

NUTS, HEX, HEAVY



SPECIFICATIONS
Commercial
MS16285

MATERIALS
Aluminum
Brass
Monel
Steel
CRES Steel

NUTS, HEX, HEAVY JAM



(Continued)

SPECIFICATIONS
Commercial

MATERIALS
Aluminum
Brass
Monel
Steel
CRES Steel

**NUTS,
HEX, MACHINE SCREW**



SPECIFICATIONS
ANSI B18.6.3-1972
AN340
AN345
MS16210
MS20341
MS35649
MS35650

MATERIALS
Aluminum
Brass
Monel
Nylon
Steel
CRES Steel

**NUTS,
INTERNAL WRENCHING**



SPECIFICATIONS
Commercial (SPS)

MATERIALS
Steel

NUTS, KNURLED



SPECIFICATIONS
Commercial
MS16994

MATERIALS
Brass
Monel
Steel
CRES Steel

**NUTS,
LOCKING, INSERT TYPE**



NAS446

(Continued)

SPECIFICATIONS

Commercial
NAS446
NAS487
NAS489

MATERIAL
Steel

**NUTS,
MACHINE SCREW**

Small Pattern and
Extra Small Pattern



SPECIFICATIONS

NAS671

MATERIALS
Aluminum
Brass
Monel
Steel
CRES Steel

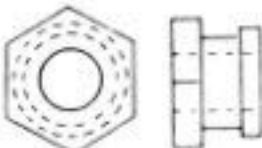
NUTS, SEALING



SPECIFICATIONS
Commercial (SPS)

MATERIALS
Steel
CRES Steel

**NUTS,
SELF-CLINCHING**



NUTS, SELF-LOCKING



(Continued)

SPECIFICATIONS

Commercial (SPS)
MS16228
MS20365
MS20500
MS21040
MS21042-MS21046
MS20364
MS21083
MS51922
MS51943
NAS679
NAS1021
NAS1022
NAS1291
AN363-AN365

MATERIALS
Aluminum
Brass
Copper Base Alloy
Monel
Steel
CRES Steel

NUTS, SLOTTED



SPECIFICATIONS
ANSI B18.2.2-1965
AN150426-AN150450
MS9363
MS9364
MS35692

MATERIALS
Naval Brass
Steel
CRES Steel
CRES Steel A 286

NUTS, SPANNER



SPECIFICATIONS
MS172236-MS172270
MS172321-MS172370

MATERIALS
Steel
CRES Steel

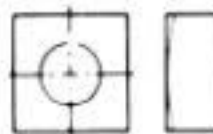
NUTS, SQUARE



SPECIFICATIONS
ANSI B18.2.2-1972
MS16211
MS27040

MATERIALS
Brass
Silicon Bronze
Steel
CRES Steel

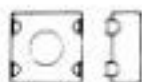
**NUTS, SQUARE
MACHINE SCREW**



SPECIFICATION
ANSI B18.6.3-1972

MATERIALS
Brass
Steel
CRES Steel

NUTS, WELD



SPECIFICATION
MS27127

MATERIALS
Steel
CRES Steel

NUTS, WING



FORGED



PRESSED

Pressed and Forged

SPECIFICATIONS
ANSI B18.17-1968

MS35425
MS35426

MATERIALS
Brass
Steel
CRES Steel

PACKING "O" RINGS



SPECIFICATIONS
MS9020

(Continued)

MS9021
MS9068
MS9241
MS9355
MS28775
MS29512
MS29513
AN6225—AN6230

MATERIALS
Aluminum
Rubber

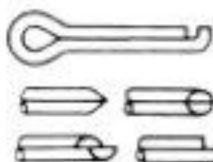
PINS, CLEVIS



SPECIFICATIONS
ANSI B18.8.1-1972
MS20392
MS35810
AN121601—AN121925

MATERIALS
Steel
CRES Steel

PINS, COTTER



Optional Ends

SPECIFICATIONS
ANSI B18.8.1-1972
MS9245
MS24665
AN380
AN381

MATERIALS
Brass
Monel
Steel
CRES Steel

PINS, DOWEL

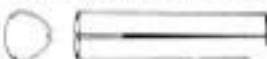


SPECIFICATIONS

MS9105
MS9164
MS9189
MS9190
MS9486
MS16555
MS16556
MS51932
MS75013
NAS607
AN122676—AN122775

MATERIALS
Alloy Steel
Brass
Monel
CRES Steel
CRES Steel A-286

PINS, GROOVED



SPECIFICATIONS
ANSI B5.20-1958
MS35671—MS35679

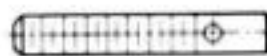
MATERIALS
Steel
CRES Steel

PINS, ESCUTCHEON



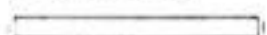
MATERIALS
Brass
CRES Steel

PINS, HEEL, ADJUSTABLE



MATERIAL
CRES Steel

PINS, HINGE



SPECIFICATIONS
MS20253
MS27990
NAS41

MATERIALS
Spring Steel Wire
CRES Steel

PINS, HI-SHEAR



Flat Head

SPECIFICATIONS
MS21000
MS21001

MATERIAL
Steel

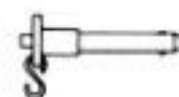
PINS, LOCK



SPECIFICATIONS
AN415
AN416

MATERIALS
Steel
CRES Steel

PINS, QUICK RELEASE



Available in Button Handle, "T" Handle, "L" Handle, Ring Handle

SPECIFICATIONS
MS17984—MS17990
NAS1332—NAS1346
NAS1353—NAS1366

MATERIALS
Alloy Steel
CRES Steel

PINS, SPRING



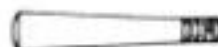
SPECIFICATIONS
MS9047
MS9048
MS16562
MS39086
MS51923
MS51987
MS171401—MS171900
NAS561
NAS1407

MATERIALS
Alloy Steel
Beryllium Copper
CRES Steel

PINS, TAPER



MS 24692
Plain



AN 386

Threaded Drilled and Undrilled

SPECIFICATIONS
ANSI B5.20-1958
MS24692
AN386

MATERIALS
Alloy Steel
CRES Steel

PLUGS, AIRCRAFT



ANS05

SPECIFICATIONS
AN905—AN909

(Continued)

MATERIALS
Brass
Bronze
Steel

PLUGS, BUTTON



SPECIFICATIONS
Commercial
NAS451

MATERIALS
Brass
Steel

PLUGS, END SEAL



SPECIFICATIONS
MS27186—MS27187

MATERIALS
Plastic

PLUGS, PIPE



socket



slotted



square

SPECIFICATIONS
ANSI B16.14-1971

Commercial

MATERIALS
Brass
Steel
CRES Steel

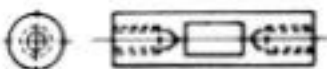
POSTS, BINDING



Terminal Board
SPECIFICATION
NAS192

MATERIAL
Steel

POSTS, SPACER



Precision

MATERIAL
CRES Steel

PULLEYS, CONTROL



SPECIFICATIONS

MS20219—MS20221
MS24566
NAS376—NAS379
NAS530

MATERIALS

Aluminum
Phenolic
CRES Steel

RINGS, BACK-UP



SPECIFICATION

MS9058

MATERIAL

AMS3651

RINGS, FLEXIBLE



SPECIFICATIONS
NAS534—NAS536

MATERIALS

Aluminum
Phenolic

RINGS, HYDRAULIC PACKING



(Continued)

SPECIFICATION

MS28777

MATERIAL

MIL-R 5521

RINGS, RETAINING



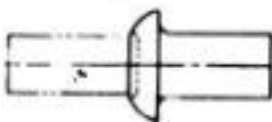
SPECIFICATIONS

MS9012—MS9014
MS16624—MS16634
NAS50
NAS51
NAS670
NAS669

MATERIALS

Beryllium Copper
Steel
CRES Steel

RIVETS, BLIND



SPECIFICATIONS

MS20630—MS20635
NAS454
NAS455
NAS1398—NAS1400

MATERIALS

Aluminum
Monel
Steel
CRES Steel

RIVETS, SHOULDER



SPECIFICATIONS

Commercial

MATERIALS

Steel
CRES Steel

RIVETS, SOLID



100° CTSK

Flat Head

(Continued)



Round Head



Universal Head

SPECIFICATIONS

ANSI B18.1.1-1972
ANSI B18.1.2-1972
MS20426
MS20427
MS20435
MS20470
MS20613
MS20615
AN124951—AN125100
AN125401—AN125700
AN123151—AN123750
NAS508
NAS1198—NAS1200

MATERIALS

Aluminum
Brass
Copper
Inconel
Monel
Steel
CRES Steel

RIVETS, SPLIT



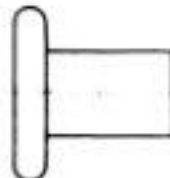
SPECIFICATIONS

ANSI B18.7-1972

MATERIALS

Steel
CRES Steel

RIVETS, TINNERS', FLAT HEAD



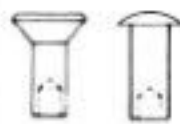
SPECIFICATION

ANSI B18.1.1-1972

MATERIALS

Aluminum
Copper
Steel
CRES Steel

RIVETS, TUBULAR & SEMI-TUBULAR



(Continued)



SPECIFICATIONS

ANSI B18.7-1972

MS16535
MS16536
MS20450
MS51942

MATERIALS

Aluminum
Brass
Copper
Steel
CRES Steel

Round Head

Phillips



Slotted



ANSI B18.6.3-1972

ANS15

ANS20

Truss Head

Phillips



Slotted



ANSI B18.6.3-1972

ANS26

Washer Head

Phillips



Slotted



ANSI B18.6.3-1972

ANS25

SCREWS, MINIATURE



Pan Head



Flat Head



100° Flat Head



Binding Head

SPECIFICATIONS

ANSI B18.11-1961
MS21268—MS21271
NAS721—NAS723

MATERIALS

Brass
Nickel Silver
Steel
CRES Steel

SCREWS, MACHINE One-Way Head



MATERIALS
Steel
CRES Steel

SCREWS, MACHINE With Assembled Washers (SEMS)



SPECIFICATIONS
ANSI B18.13-1965
NAS1301

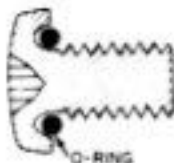
MATERIALS
Brass
Steel
CRES Steel

SCREWS, SELF-LOCKING



Available with nylon pellet insert, strip insert, and patch. See Machine Screws section for fastener materials.

SEELSKREWS™



Self Sealing Screws
All metal is an authorized distributor of APM Reaseal SeelScrews

SCREWS, SET Slotted Headless



FLAT POINT



OVAL POINT



FULL ROUND POINT



CONE POINT



HALF ROUND POINT



CUP POINT

(Continued)

SPECIFICATIONS
ANSI B18.6.2-1972
AN565

MATERIALS
Aluminum
Brass
Nylon
Steel
CRES Steel

SCREWS, SET Hex Socket Head



Cone, Cup, Dog, Flat, Half Dog, and Oval Points

SPECIFICATIONS
ANSI B18.3-1969
MS1017-MS1052
MS1963-MS1966
MS1973
MS1974
MS1976
MS1977
MS1981
MS1982
AN565

MATERIALS
Alloy Steel
Brass
Monel
CRES Steel
Stainless Type 316
Stainless Type 416

SCREWS, SET Self-Locking



SPECIFICATIONS
MS18063-MS18068
NAS1081

MATERIALS
Alloy Steel
CRES Steel

SCREWS, SET Spline Socket Head



Cone, Cup, Dog, Flat, Half Dog, and Oval Points

SPECIFICATIONS
ANSI B18.3-1969
MS1053
AN565

MATERIALS
Alloy Steel
CRES Steel

ROD, THREADED



SPECIFICATIONS
Commercial
NAS1454

MATERIALS
Brass
Nylon
Steel
CRES Steel

ROD, TIE



SPECIFICATIONS
AN671-AN708

MATERIALS
Steel
CRES Steel

SCREWS, CAPTIVE



SPECIFICATIONS

NAS12
MATERIALS
Monel
Steel
CRES Steel

SCREWS, DRIVE



SPECIFICATIONS
ANSI B18.6.4-1966
MS21318
AN535

MATERIALS
Steel
CRES Steel

SCREWS, EXTERNALLY RELIEVED BODY



SPECIFICATIONS
MS17184
MS25087
AN255

MATERIALS
Steel
CRES Steel

SCREWS, MACHINE Hex Head, Trimmed



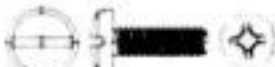
SPECIFICATIONS
ANSI B18.2.1-1972

MATERIALS
Steel
CRES Steel

SCREWS, MACHINE Phillips and Slotted

MATERIALS
For all machine screw head styles shown below
Aluminum
Brass
Monel
Nylon
Steel
CRES Steel
Stainless Type 316
Stainless Type 410
Stainless Type 416
Stainless Type 430
Titanium

Binding Head



SPECIFICATION
ANSI B18.6.3-1972

Fillister Head



SPECIFICATIONS
ANSI B18.6.3-1972
AN500
AN501

Fillister Head, Drilled



SPECIFICATIONS
ANSI B18.6.3-1972
MS35263-MS35278
AN500
AN501
AN502, AN503

Flat Head, 82 Degree



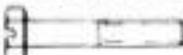
SPECIFICATIONS
ANSI B18.6.3-1972
MS18211
MS35188—MS35203
MS35237—MS35252
MS51959
MS51960
AN505
AN510

Flat Head, 100 Degree



SPECIFICATIONS
ANSI B18.6.3-1972
MS18211
MS24693
MS24694
AN507
AN509

Hexagon Head



ANSI B18.2.1-1972

Oval Head



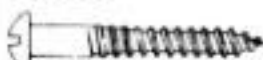
ANSI B18.6.3-1972

Pan Head



SPECIFICATIONS
ANSI B18.6.3-1972
MS18212
MS35204—MS35219
MS35221—MS35236
MS1957
MS1958
NAS1635

SCREWS, WOOD Slotted



Round



Flat



Oval

SPECIFICATIONS
ANSI B18.6.1-1972
MS16198
MS16199
MS16215—MS16217
MS35494
MS35495
AN545
AN550

MATERIALS
Brass
Monel
Silicon Bronze
Steel
CRES Steel

Phillips

SPECIFICATIONS
ANSI B18.6.1-1972
MS35492
MS35493
AN545
AN550

MATERIALS
Brass
Silicon Bronze
Steel
CRES Steel

SHACKLES

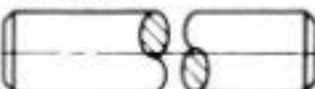


Wire Rope

SPECIFICATIONS
AN115
AN116
NAS1042—NAS1044

MATERIALS
Monel
Steel
CRES Steel

SHAFTS



Precision & Ultra-Precision

MATERIAL
Stainless Type 303

SPACERS Rivet



SPECIFICATIONS
NAS42
NAS43

MATERIALS
Aluminum Alloy
Alloy Steel
Steel

Shaft, Precision



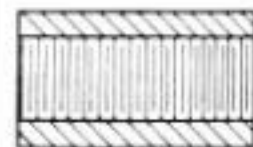
MATERIAL
CRES Steel

Shim



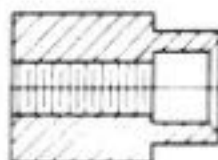
MATERIALS
Steel
CRES Steel

STAND-OFFS Threaded



MATERIAL
CRES Steel

Swage Type



MATERIALS
CRES Steel

STRAPS, RETAINING



SPECIFICATIONS
MS21314
MS21315

MATERIAL
Steel

STUDS

Continuous Thread



SPECIFICATIONS

MATERIALS
Brass
Monel
Steel
CRES Steel

Double End



SPECIFICATIONS

MS15986—MS15991
NAS183
NAS184

MATERIALS
Alloy Steel
Monel
Steel
CRES Steel

Shoulder



SPECIFICATIONS
MS9303—MS9312

MATERIAL
Steel

SCREWS, SET Square Head



Cup and Flat Points

SPECIFICATIONS
ANSI B18.6.2-1972
MS51054
MS51955

MATERIALS
Steel
CRES Steel

SCREWS, SHOULDER Socket Head



SPECIFICATIONS
ANSI B18.3-1969
MS16637
MS16638
MS51975

MATERIALS
Alloy Steel
Monel
CRES Steel

SCREWS, SPADE



SPECIFICATIONS

MATERIALS
Steel
CRES Steel

SCREWS, SPANNER



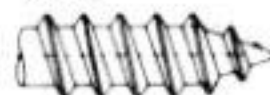
Drilled Spanner

MATERIALS
Steel
CRES Steel

SCREWS, TAPPING Slotted and Phillips

MATERIALS
For all Tapping screw head styles
Steel
CRES Steel
Stainless Type 410
Stainless Type 430

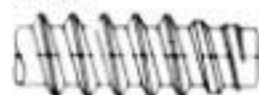
Type A



Flat, Oval, Pan, Round, and
Truss heads

SPECIFICATIONS
ANSI B18.6.4-1966
MS21207
MS24615-MS24618

Type B



Flat, Oval, Pan Round, and
Truss Heads

SPECIFICATIONS
ANSI B18.6.4-1966
MS24619-MS24622
ANS30
ANS31

Type BF



Flat and Pan Heads

SPECIFICATIONS
ANSI B18.6.4-1966
MS24623-MS24626
MS24643-MS24646

Type F



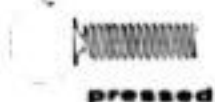
Flat, Oval, Pan, Round, and
Truss Heads

SPECIFICATIONS
ANSI B18.6.4-1966
MS24627-MS24630
MS24647-MS24650
ANS04
ANS06

SCREWS, THUMB



forged



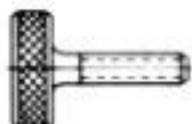
pressed

SPECIFICATIONS

MS21316
MS21317
NAS1300

MATERIALS
Steel
CRES Steel

SCREWS, THUMB Knurled Head



MATERIALS
Brass
Steel
CRES Steel

SCREWS, WELD



SPECIFICATIONS
Commercial

MATERIALS
Steel
CRES Steel

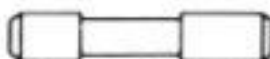
SCREWS, WING



SPECIFICATIONS
ANSI B18.17-1968

MATERIALS
Steel
CRES Steel

Stepped and Straight



Drilled and Undrilled

SPECIFICATIONS
MS17293-MS17303

MATERIAL
Steel

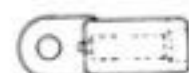
Tap End



MATERIALS
Monel
Steel
CRES Steel

TERMINALS

Lug



Crimp Style



Solder Type

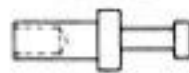
SPECIFICATIONS
MS25036
MS25435-MS25438
MS35430
MS35431
MS35436

MATERIALS
Aluminum
Copper

Stud



Feedthru



Turret

SPECIFICATIONS
MS17121-MS17123
MS17155-MS17158
MS25080

MATERIAL
Brass

Wire Rope



MS20658



MS21259

SPECIFICATIONS
MS20658
MS20659
MS20667
MS20668
MS21259
MS21260

MATERIALS
Copper
Steel
CRES Steel

THIMBLES, WIRE CABLE



SPECIFICATIONS
AN100
NAS1045

MATERIALS
Bronze
Steel
CRES Steel

TURNBUCKLE ASSEMBLIES



AN150

SPECIFICATIONS
Commercial
AN130 - AN170
MS20000
MS21251
MS27974

MATERIAL
Steel

WASHERS

Belleville, Csk



SPECIFICATIONS
Commercial

MATERIALS
Bronze
Steel
CRES Steel

Finishing, Countersunk



SPECIFICATIONS

MS27129
NAS391

MATERIALS
Brass
Steel
CRES Steel

Flat



(Continued)

SPECIFICATIONS

MS9320
MS9321
MS9549
MS15795
MS16212
MS27183
MS45901
MS51936
NAS70
NAS620
NAS1197
NAS1515
NAS1587
AN960
AN961
AN970
AN122576-AN122600

MATERIALS

Aluminum
Brass
Copper
Fibre, Phenolic
Fibre, Vulcanized
Monel
Nylon
Steel
CRES Steel
Stainless Type 316
Stainless Type 321
Stainless Type 410
Stainless Type 416
Stainless A 286
Stainless Type 17-4PH
Titanium

WASHERS

Insulators



SPECIFICATION
AN8013

MATERIALS
Aluminum Alloy
Steel

Key



SPECIFICATIONS
MS25081
MS172201-MS172235
MS172271-MS172320

MATERIALS
Steel
CRES Steel

Lock (Spring)



Styles: Light, Regular, Heavy,
and Hi-Collar

(Continued)

SPECIFICATIONS

ANSI B18.21.1-1972
MS35337-MS35340
MS122026-MS122075
NAS1061
AN935

MATERIALS

Aluminum
Bronze
Monel
Steel
CRES Steel
Stainless Type 316
Stainless Type 420

Rod End



SPECIFICATION
NAS513

MATERIAL
Steel

Slotted

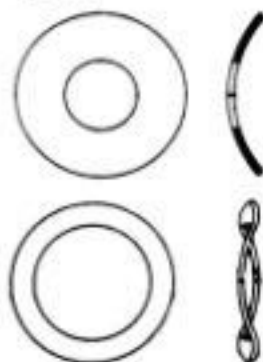


SPECIFICATIONS

MS27051

MATERIALS
Steel
CRES Steel

Spring

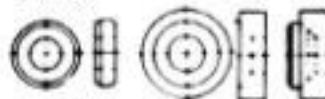


Dip and Ripple Types

SPECIFICATIONS
Commercial

MATERIALS
Bronze
Steel
CRES Steel
Stainless Type 302
Stainless Type 410

Swivel



MATERIAL
CRES Steel

Tooth Lock



Internal Tooth



External Tooth






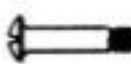










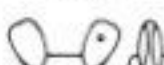






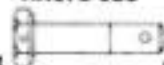











Internal-External Tooth






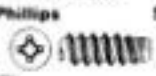





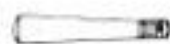

















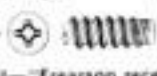


















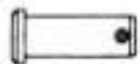

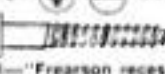


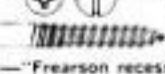



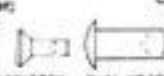




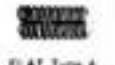
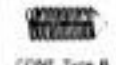
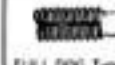
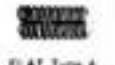
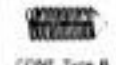
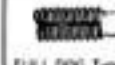
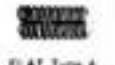
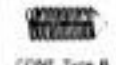
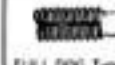


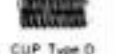
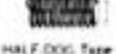

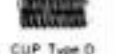
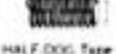

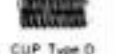
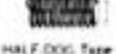





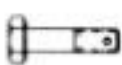


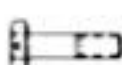


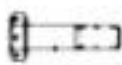
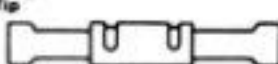

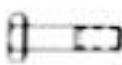


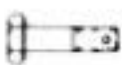


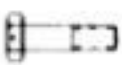

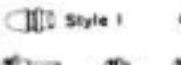
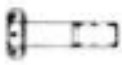










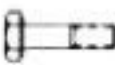

100 CTSK External Tooth







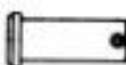
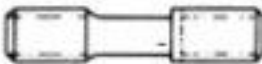




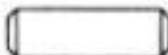







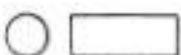









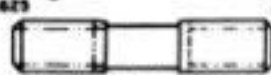

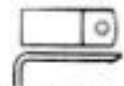
SPECIFICATIONS
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MS35333-MS35336
MS35790
MS45904
AN936

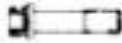











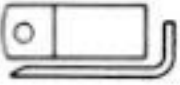





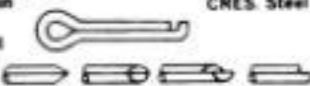




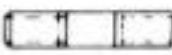
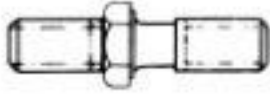


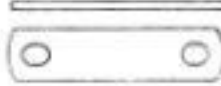




MATERIALS
Bronze
Steel
Stainless Type 410






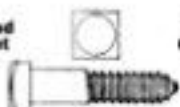
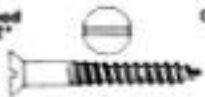


























<p>AN3-20</p> <p>Aircraft Bolts  Alloy Steel CRES. Steel Aluminum 3A Fit</p>	<p>AN220</p> <p>Flight Control Pulley  Phenolic</p>	<p>AN335</p> <p>Nut, Plain Hex; Non-Structural  Brass Steel 2B Fit</p>
<p>AN21-36</p> <p>Clave Bolts  Alloy Steel available in CRES. Steel</p> <p>Add the letter "A" after the dash number for undrilled</p>	<p>AN227</p> <p>Fasteners, Snap and Curtain  See Spec. PLATE POST STUD</p>	<p>AN340</p> <p>Nut, Machine Screw, Hexagon Coarse Thread  CRES. Steel Steel Brass Al Alloy 2B Fit</p>
<p>AN42-49</p> <p>Bolt, Eye  Alloy Steel available in CRES. Steel</p>	<p>AN250-253</p> <p>Hinges, Assemblies & Parts  Brass Steel Aluminum</p> <p>ALSO SEE—MS 20001 and MS 20253</p>	<p>AN341</p> <p>Nut, Plain Hexagon, Electrical  Brass 2B Fit</p>
<p>AN73-81</p> <p>Machine Bolt, Aircraft  Alloy Steel available in CRES. Steel</p> <p>INACTIVE FOR DESIGN—USE MS 20073/74</p>	<p>AN254</p> <p>Screw, Thumb Necked  Steel 2A Fit</p> <p>INACTIVE FOR DESIGN</p>	<p>AN345</p> <p>Nut, Machine Screw, Hexagon Fine Thread  CRES. Steel Steel Brass Al Alloy 2B Fit</p>
<p>AN100</p> <p>Thimble Wire Cable  Carbon Steel CRES. Steel Phos. Bronze</p>	<p>AN256</p> <p>Nut, Self-Locking Right Angle Plate  Al Alloy Steel 3B Fit</p>	<p>AN350</p> <p>Nut, Wing  Steel Brass available in CRES. 2B Fit</p> <p>INACTIVE FOR DESIGN</p>
<p>AN115-116</p> <p>Shackles, Wire Rope and Anchor  CRES. Steel Steel Monel</p>	<p>AN257</p> <p>Hinge—Continuous  Alloy Steel CRES. Steel Steel</p> <p>INACTIVE FOR DESIGN—USE MS 20257</p>	<p>AN355</p> <p>Nut, Engine Slotted  Steel</p>
<p>AN130-170</p> <p>Turnbuckles, Assemblies and Parts  Steel</p> <p>AN150</p>	<p>AN286</p> <p>Fittings, Lubrication  See Spec.</p> <p>INACTIVE FOR DESIGN—USE MS 15006</p>	<p>AN360</p> <p>Nut, Plain Engine  Steel 3B Fit</p> <p>CANCELLED USE AN121501 THRU AN121525</p>
<p>AN173-186</p> <p>Bolt, Aircraft Close Tolerance  Alloy Steel CRES. Steel Aluminum 3A Fit</p> <p>Drilled and Undrilled</p>	<p>AN310</p> <p>Nut, Airframe Castellated  CRES. Steel Steel Al Alloy 3B Fit</p>	<p>AN361-362</p> <p>Nut, Self-locking, Plate  Steel CRES. Steel 3B & 2B Fit</p>
<p>AN200-209</p> <p>Bearings, Ball Airframe  See Spec.</p> <p>AN200</p>	<p>AN315</p> <p>Nut, Plain Airframe  CRES. Steel Steel Al Alloy 3B Fit</p> <p>Add "L" after dash number for Left Hand Thread</p>	<p>AN363</p> <p>Nut, Self-locking, 550°F  Steel CRES. Steel Monel 3B Fit</p> <p>Available SILVER PLATED</p>
<p>AN210</p> <p>Pulley, Anti-Friction  See Spec.</p> <p>INACTIVE FOR DESIGN</p>	<p>AN316</p> <p>Nut, Check  CRES. Steel Steel Al Alloy 3B Fit</p> <p>Add "L" after dash number for Left Hand Thread</p>	<p>AN364</p> <p>Nut, Self-locking, Thin, 250°F  Steel Al Alloy Monel available in CRES. 3B Fit</p> <p>INACTIVE FOR DESIGN—USE MS 20365</p>
<p>AN216</p> <p>Balls, Metal  CRES. Steel Steel Monel</p>	<p>AN320</p> <p>Nut, Castle Shear  Steel CRES. Steel Al Alloy 3B Fit</p>	<p>AN365</p> <p>Nut, Self-locking, 250°F  Steel Al Alloy Monel available in CRES. 3B Fit</p> <p>INACTIVE FOR DESIGN—USE MS 20364</p>



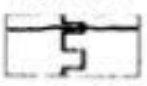
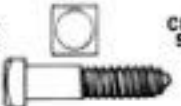



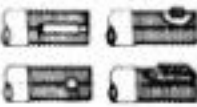
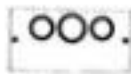




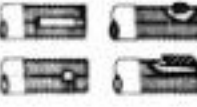

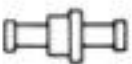



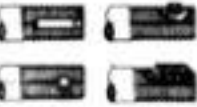



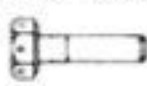







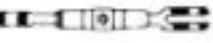

<p>AN366-373</p> <p>Nut, Plate, Self-locking</p>  <p>Steel Al Alloy 3B & 2B Fit</p>	<p>AN500-501</p> <p>Machine Screw, Fillister Head, Slotted—Coarse, Fine</p>  <p>Steel CRES. Steel Brass 2A Fit</p> <p>Drilled and Undrilled</p> <p>Add "A" before first dash number for Drilled Head</p>	<p>AN526</p> <p>Truss Head Machine Screw Coarse and Fine</p>  <p>Steel CRES. Steel Al Alloy 2A Fit</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p>																												
<p>AN380-391</p> <p>Cotter Pin</p>  <p>Steel CRES. Steel</p> <p>INACTIVE FOR DESIGN—USE MS 24665</p>	<p>AN502-503</p> <p>Machine Screw, Fillister Head, Slotted—Coarse and Fine</p>  <p>Steel 2A Fit</p>	<p>AN530</p> <p>Round Head Tapping Screw, Type "B" (Z)</p>  <p>Steel CRES. Steel</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p>																												
<p>AN385-386</p> <p>Pin, Taper, Plain and Threaded</p>  <p>Steel Alloy Steel CRES. Steel</p> <p>AN385 Drilled and Undrilled</p> <table border="1"><tr><th colspan="4">AN NUTS, WASHERS AND COTTER PINS</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>AN Nut AN320</td><td>Self locking Nut AN364</td><td>AN Washer AN975</td><td>Cotter Pin AN380</td></tr></table> <p>AN386</p> <p>Threaded Taper Pin</p>  <p>Drilled and Undrilled</p>	AN NUTS, WASHERS AND COTTER PINS								AN Nut AN320	Self locking Nut AN364	AN Washer AN975	Cotter Pin AN380	<p>AN504</p> <p>Round Head Tapping Screw, Type "F"—Coarse and Fine</p>  <p>Steel CRES. Steel</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p> <table border="1"><tr><th colspan="4">ALTERNATE POINT STYLES (Optional Types of Ends)</th></tr><tr><td></td><td></td><td></td><td></td></tr></table>	ALTERNATE POINT STYLES (Optional Types of Ends)								<p>ALTERNATE POINT STYLES (Optional Types of Ends)</p> <table border="1"><tr><th>Type "B" (Z)</th><th>Type "B"</th><th>Type "B"</th><th>Type "B"</th></tr><tr><td></td><td></td><td></td><td></td></tr></table> <p>AN531</p> <p>82° Flat Head Tapping Screw, Type "B" (Z)</p>  <p>Steel CRES.</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p> <p>For Alternate Point Styles—see AN530 above</p>	Type "B" (Z)	Type "B"	Type "B"	Type "B"				
AN NUTS, WASHERS AND COTTER PINS																														
																														
AN Nut AN320	Self locking Nut AN364	AN Washer AN975	Cotter Pin AN380																											
ALTERNATE POINT STYLES (Optional Types of Ends)																														
																														
Type "B" (Z)	Type "B"	Type "B"	Type "B"																											
																														
	<p>AN505/510</p> <p>82° Flat Head Machine Screw, Coarse and Fine</p>  <p>Steel CRES. Steel Brass Al Alloy 2A Fit</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p>	<p>AN535</p> <p>Round Head Drive Screw, Type "U" Point</p>  <p>Steel available in CRES.</p>																												
<p>AN392-406</p> <p>Pins, Flat Head, Clevis</p>  <p>Steel available in CRES.</p> <p>INACTIVE FOR DESIGN—USE MS 20392</p>	<p>AN506</p> <p>82° Flat Head Tapping Screw, Type "F"—Coarse and Fine</p>  <p>Steel CRES. Steel</p> <p>For alternate point styles—see AN504 above</p>	<p>AN545</p> <p>Round Head Wood Screw</p>  <p>Steel Brass available in CRES.</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p>																												
<p>AN415-416</p> <p>Pins, Lock, Retaining</p>  <p>CRES. Steel Steel</p>	<p>AN507</p> <p>100° Flat Head Machine Screw, Coarse and Fine</p>  <p>Steel CRES. Steel Brass Al Alloy 2A Fit</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p>	<p>AN550</p> <p>82° Flat Head Wood Screw</p>  <p>Steel Brass available in CRES.</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p>																												
<p>AN420-470</p> <p>Rivets</p>  <p>Al Alloy Steel CRES. Steel Monel Copper</p> <p>INACTIVE FOR NEW DESIGN—USE MS 20426, MS 20427, MS 20435, MS 20470</p>	<p>AN508</p> <p>Screw, Round Head, Machine (Electrical)</p>  <p>Brass 2A Fit</p> <p>Slotted</p>	<p>AN560</p> <p>Square Head Set Screw</p>  <p>Steel Available in CRES. Steel 2A Fit</p> <p>Points: Flat, Cone, Dog, Cup</p> <p>Inactive For Design—See AN565</p>																												
<p>AN450</p> <p>Rivet, Tubular; Oval Head—Countersunk</p>  <p>Copper, Steel Brass Aluminum Monel available in CRES.</p> <p>100° CTSK. OVAL HEAD</p> <p>INACTIVE FOR DESIGN—USE MS 2450</p>	<p>AN509</p> <p>100° Structural Flat Head—Machine Screw, Coarse and Fine</p>  <p>Steel CRES. Steel Al Alloy Bronze 3A Fit</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p>	<p>AN565</p> <p>Set Screws Hexagon and Spine Socket Also Slotted</p>  <p>Alloy Steel CRES. Steel 3A Fit</p> <p>Hex Socket Spine Slotted</p>																												
<p>AN481-486</p> <p>Clevis, Rod End—Adjusting</p>  <p>Steel</p>	<p>AN515/520</p> <p>Round Head Machine Screw, Coarse and Fine</p>  <p>Steel CRES. Steel Brass Al Alloy 2A Fit</p> <p>Design II—"Frearson recess"—INACTIVE FOR DESIGN</p>	<p>AN POINT STYLE CHART (Add point style type before first dash No.)</p> <table border="1"><tr><td></td><td></td><td></td></tr><tr><td>FLAT Type A</td><td>CONE Type B</td><td>FULL DOG Type C</td></tr></table>				FLAT Type A	CONE Type B	FULL DOG Type C																						
																														
FLAT Type A	CONE Type B	FULL DOG Type C																												
<p>AN490</p> <p>Rod, Threaded, Aircraft</p>  <p>Steel</p>	<p>AN525</p> <p>Washer Head Machine Screw Coarse and Fine</p>  <p>Steel Al Alloy available in CRES. 3A Fit</p>	<table border="1"><tr><td></td><td></td><td></td></tr><tr><td>CUP Type D</td><td>HALF DOG Type E</td><td>OVAL Type F</td></tr></table> <p>Slotted Head—INACTIVE FOR DESIGN</p> <p>Add "H" between numbers for "hexagon" socket. Add "L" between dash numbers for "spine" socket.</p>				CUP Type D	HALF DOG Type E	OVAL Type F																						
																														
CUP Type D	HALF DOG Type E	OVAL Type F																												

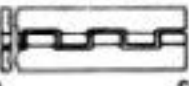

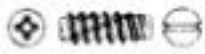






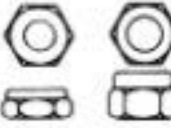

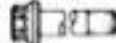
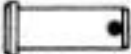

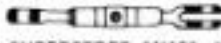
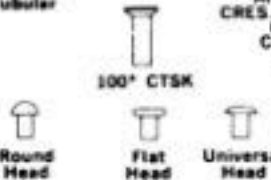





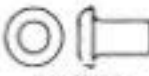
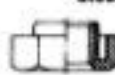




<p>AN658-669</p> <p>Terminals, Wire Rope and Electrical</p>  <p>Steel CRES. Steel Copper</p> <p>AN658—Fork End</p> <p>Available Styles:</p> <p>Fork End, Crimp Style, Swaging, Clave End End</p> <p>INACTIVE FOR DESIGN—USE MS 20634, MS 20635, MS 20636, MS 20637, MS 20638, MS 20639, MS 20640</p>	<p>AN944</p> <p>Fittings, Lubrication</p>  <p>Steel</p> <p>INACTIVE FOR DESIGN—USE MS 15001/2</p>	<p>AN101901-102800</p> <p>Bolt, Hex Head .190-.750</p>  <p>Steel 3A Fit</p> <p>Drilled Shank</p>
<p>AN671-708</p> <p>Tie Rods</p>  <p>Steel CRES. Steel</p> <p>AN671</p>	<p>AN950/955</p> <p>Washer, Ball Socket/Ball Seat</p>  <p>Steel</p> <p>AN950-AN955</p>	<p>AN102801-103700</p> <p>Bolt, Drilled Hex Head .190-.750</p>  <p>Steel 3A Fit</p> <p>Drilled Head, 1 Hole</p>
<p>AN735-742</p> <p>Clamps</p>  <p>Al Alloy Steel CRES. Steel</p> <p>Available Styles: Loop, Hose, Tube, Plain Support</p> <p>AN742—Loop Type</p>	<p>AN960-975</p> <p>Washer, Flat</p>  <p>Aluminum Al Alloy Brass Copper Steel CRES.</p>	<p>AN103701-104600</p> <p>Bolt, Drilled Hex Head .190-.750</p>  <p>Steel 3A Fit</p> <p>Drilled Head, 6 Holes</p>
<p>AN753</p> <p>Splice, Assembly and Tip</p>  <p>Per Mil-S-6852</p> <p>Assembly</p>	<p>AN995</p> <p>Lock Wire</p>  <p>CRES. Steel</p> <p>Available in 1 LB. & 5 LB. Spools</p> <p>INACTIVE FOR DESIGN—USE MS 20995</p>	<p>AN104601-105500</p> <p>Bolt, Hex Head .190-.750</p>  <p>CRES. Steel 3A Fit</p>
<p>AN756-849</p> <p>Fittings, Aircraft</p>  <p>Steel CRES. Steel Al Alloy</p> <p>AN822</p>	<p>AN3054-3066</p> <p>Nut, Coupling Conduit</p>  <p>Al Alloy</p> <p>AN3055</p>	<p>AN105501-106401</p> <p>Bolt, Hex Head, Drilled Shank .190-.750</p>  <p>CRES. Steel 3A Fit</p> <p>Drilled Shank</p>
<p>AN886-904</p> <p>Gaskets, Fittings and Couplings</p>  <p>Per Mil-R-3065, Mil-G-6183, Cork Bronze Mil-F-5509</p> <p>AN893</p>	<p>AN3195</p> <p>Fastener, Snapslide</p>  <p>CRES. Steel</p>	<p>AN106401-107300</p> <p>Bolt, CRES. Drilled Hex Head .190-.750</p>  <p>CRES. Steel 3A Fit</p> <p>Drilled Head, 1 Hole</p>
<p>AN905-909</p> <p>Plugs</p>  <p>Bronze Steel Brass</p> <p>AN905</p>	<p>AN3196-3199</p> <p>Fastener, Snapslide</p>  <p>CRES. Steel</p> <p>Available Styles:</p> <p>Style II Style III Style IV</p>	<p>AN107301-108200</p> <p>Bolt, CRES. Drilled Hex Head .190-.750</p>  <p>CRES. Steel 3A Fit</p> <p>Drilled Head, 6 Holes</p>
<p>AN910-929</p> <p>Fittings, Aircraft</p>  <p>CRES. Steel Bronze Brass Al Alloy</p> <p>AN912</p>	<p>AN6225-6230</p> <p>Packing, "O" and "V" Ring</p>  <p>Al Alloy</p> <p>"O" AND "V" RING</p>	<p>AN115401-115600</p> <p>Screws, Flat Filler Head .190-.375</p>  <p>Steel 3A Fit</p>
<p>AN931</p> <p>Grommets</p>  <p>Rubber Mil-G-3036</p> <p>AN931</p>	<p>AN6231</p> <p>Scraper, Rod Hydraulic</p>  <p>See AN-S-60</p> <p>INACTIVE FOR DESIGN—USE MS 28776</p>	<p>AN115601-115800</p> <p>Screw, Flat Filler, .190-.375</p>  <p>Steel 3A Fit</p> <p>Drilled Shank</p>
<p>AN935</p> <p>Washer, Lock, Spring Split</p>  <p>Steel Bronze available in CRES.</p> <p>Medium and Light Series</p>	<p>AN8013</p> <p>Washer, Insulator</p>  <p>Steel Al Alloy</p>	<p>AN115801-116150</p> <p>Screw, Flat Filler, .190-.375</p>  <p>Steel 3A Fit</p> <p>Drilled Head</p>
<p>AN936</p> <p>Tooth Lock Washer</p>  <p>Steel Bronze available in CRES.</p> <p>Available Styles:</p> <p>Type A Internal Type B External Type C 82° Csk. Type D 100° Csk.</p>	<p>AN101001-101900</p> <p>Bolt, Hex Head .190-.750</p>  <p>Steel 3A Fit</p>	<p>AN116901-117080</p> <p>Screw, Oval Filler Head .112-.164</p>  <p>Steel 2A Fit</p> <p>Drilled Undrilled</p>



















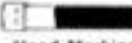



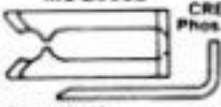










AN121501-121550 Nut, Plain  CRES. Steel 3B Fit	AN150201-150400 Pin, Lock  Steel Brass E1 Marking	MS 9060-9066 Bolt, Machine 12 Point Ext. Washer Head High Temp.  AMS 5735 (A-286) EH19 Head Marking
AN121551-121600 Nut, Castle  CRES. Steel 3B Fit	AN150401-150450 Nut-Hex, Check and Shear Slotted  Steel 3B Fit	MS 9068 Packing "O" Ring  Silicone Rubber AMS 3304
AN121601-121925 Pin, Flat Head Clevis .125-.500  Steel Drilled Shank	AN150501-170900 Stud-Stepped  Steel 3A Fit	MS 9081 Washer, Key-Double  Steel
AN122576-122600 Washer, Plain  Steel	MS 9012-9014 Retaining Rings  Beryllium Copper Steel Superseded by MS 16624/5 External Internal	MS 9088-9094 Bolt, Machine 12 Point Head Drilled  Steel E 11 Head Marking
AN122676-122775 Pin, Dowel  Steel	MS 9016-MS 9017 Bushings, Slotted  Steel	MS 9099-9100 Nut, Hex Connection  Aluminum CRES. Steel E 12 Marking Aluminum E 10 Marking CRES.
AN123020-123119 Gasket  Aluminum-Asbestos Annular	MS 9018 Insert, 18-1.5MM Aviation Spark Plug, Helical Coil  CRES. Steel SEE DESIGN STANDARD MS 9071	MS 9101-9104 Bracket, 90° Angle .190-.375 Bolt  AMS 5510
AN123151-123750 Rivet, Solid Universal Head and 100° CTSK Head  CRES. Steel Inconel	MS 9020-9021 Packing "O" Ring  Rubber	MS 9105 Pin, Lock  CRES. Steel
AN123851-124050 Seal, Packing "O" Ring  Rubber	MS 9024-9025 Clamp, Loop Types  AMS 4350 AMS 5510	MS 9122-9123 Slotted Hex Head Machine Screw  Steel E 11 Head Marking
AN124951-125550 Rivet, Solid Universal Head and 100° CTSK Head  CRES. Steel	MS 9033-9039 Bolt, 12 Point High Temp.  AMS 5735 (A-286) EH19 Head Marking	MS 9146-9163 Bolt, Machine 12 Point Head  Steel E 11 Head Marking
AN125551-125700 Rivet, Solid Universal Head  Steel	MS 9047-9048 Pin, Spring  Steel	MS 9164 Pin, Dowel Oversize  Steel
AN125951-130774 Studs-Straight .290-.423  Steel 3A Fit Drilled and Undrilled	MS 9058 Ring, Back-Up  AMS 3651	MS 9165-9168 Bolt, Brackets  Steel ALSO SEE MS 9101-04/MS 9228-31














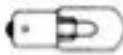









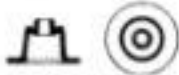














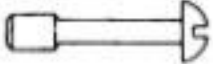

MS 9169-9175 Bolt, Machine 12 Point Head Drilled  Steel E 11 Head Marking	MS 9318/9 Rivets 100" Flush Head and Universal Head  Monel	MS 9391-9395 Clamp, Loop; Cushion; Strap Back Plate  CRES. Steel AMS 3303 MS 9391
MS 9177/8-9183-9192 Bolt, Machine Drilled and Undrilled  AMS 5735 (A-286) Steel EH 19 A 286 Head Marking E 11 Steel Head Marking	MS 9320-9321 Washer, Flat  Steel CRES. Steel	MS 9403 Rivet, Universal Head  AMS 5737 (A-286)
MS 9200-9201 Nut, Plain Hex, Connection  Aluminum CRES. Steel E 12 Aluminum EH 5 CRES.	MS 9352-MS 9353/4 Clamp, Loop  Aluminum	MS 9440-9459 Bolt, Machine Hexagon Head Drilled and Undrilled  Steel
MS 9224 Bolt, Machine 12 Point Head  AMS 5735 (A-286) EH 19 A 286 Head Marking	MS 9355 Packing "O" Ring  Rubber AMS 7272	MS 9460 Rivet, Solid 100" Flush Head  AMS 7235
MS 9228-9231 Bracket, 90° Angle .190-.375 Bolt  AMS 5504	MS 9356/7 Nut, Plain Hexagon  CRES. Steel A-286	MS 15000-15006 Fittings, Lubrication  Steel Monel
MS 9241 Packing "O" Ring  Rubber AMS 7272	MS 9358/9 Nut, Castellated Hexagon  CRES. Steel A-286	MS 15795 Washer, Flat  CRES. Steel Monel Copper Brass Al Alloy
MS 9245 Cotter Pin Optional Ends  CRES. Steel	MS 9360 Nut, Plain Hex, Drilled Silver Plated  AMS 5735 (A-286)	MS 15820 Washers, Lock (Special Design)  per Spec.
MS 9274 Washer, Key- Double  CRES. Steel	MS 9361/2 Nut, Plain Hexagon, Check (also Silver Plated)  CRES. Steel A-286	MS 15986-15988 Stud, Plain Full Body  Steel Brass Monel
MS 9303-9312 Stud, Shouldered Hex, Wrenching Drilled and Undrilled  Steel E 11 Marking	MS 9363/4 Nut, Slotted Hexagon, Shear (also Silver Plated)  CRES. Steel A-286	MS 16036 Bolt, Aircraft Safety  See Mil B-18461 (Wep) Complete Assembly and Individual Parts
	MS 9365-9367 Bracket, Bolt, Flat  CRES. Steel	MS 16107 Jacks, Tip, High Voltage  See Spec. (Ships) Color Coded
MS 9316/7 Screw, Machine Hexagon Head Slotted  Steel 2A Fit E 37 Head Marking	MS 9389/90 Dowel Pin  AMS 5735 (A-286)	MS 16108 Jacks, Tip Low Voltage  Bronze Copper



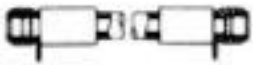







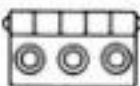




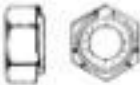

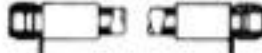






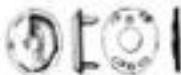





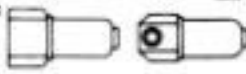

MS 16187 Studs, Full Thread Al Steel 	MS 16209 See MS 16202 See Spec. 	MS 16228 Nut, Self-Locking Hexagon, Hvy. Thin Nylon Insert CRES. Steel 3B Fit 
MS 16198 Round Head Wood Screw Slotted CRES. Steel 	MS 16210 Nut, Plain Hexagon, Machine Screw CRES. Steel 2B Fit 	MS 16230-16235 Lag Bolt, Square Head Gimlet Point Steel Sil. Bronze CRES. Steel 
MS 16199 Screw, Wood Slotted, 82° Flat Copper Sil 	MS 16211 Nut, Plain Square Sil. Bronze 	MS 16268 100° Flat Head Machine Screw Slotted Nylon 2A Fit 
MS 16200 Pan Head, Screws, Machine Slotted CRES. Steel 2A Fit 	MS 16212 Washers, Flat CRES. Steel Sil. Bronze 	MS 16285 Nut, Hexagon Semi-Finished, Heavy Steel 
MS 16201 Flat Head Bolt, Lag Sil. Bronze Cone Point 	MS 16213 Washer, Lock External Tooth Non-Magnetic CRES. Steel Phos. Bronze 	MS 16286 Nuts, Hexagon Finished To 1000° F. Steel 2B Fit 
MS 16202/16209 Square Head Bolt, Lag Gimlet Point CRES. Steel Sil. Bronze 	MS 16214 Washer, Lock, Spring, Split CRES. Steel 	MS 16535/6 Rivet, Tubular Oval Head; Countersunk Head Brass Al Alloy Monel Copper Steel CRES. 
MS 16203 Nuts, Plain Hexagon, Jam and Finished CRES. Steel 2B Fit Full Jam 	MS 16215 Screw, Wood Slotted Oval Head CRES. Steel (Non-Mag.) 	MS 16555/6 Dowel Pins Straight Alloy Steel CRES. Steel 
MS 16205 Bolt, Machine Semi-Finished Hexagon Head Sil. Bronze 2A Fit 	MS 16216 Round Head Wood Screws, Slotted Sil. Bronze 	MS 16562 Spring Pins Steel CRES. Steel 
MS 16206 Bolt, Machine Hexagon Head Reg. Semi-Finished Al Alloy 2A Fit 	MS 16217 82° Flat Head Wood Screws, Slotted CRES. Steel 	MS 16593 Rivet, Solid 78° Flat Head Aluminum 
MS 16207 Carriage Bolt, Round Head Sil. Bronze 2A Fit 	MS 16218 82° Flat Head Machine Screws Slotted Sil. Bronze 2A Fit 	MS 16600 Washer, Flat Leather 
MS 16208 Hexagon Head Machine Bolt, Semi-Finished CRES. Steel 2A Fit 	MS 16219 82° Flat Head Cap Screws Slotted CRES. Steel 	MS 16624-16634 Retaining Rings Steel CRES. Steel Beryllium Copper 




















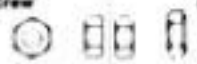

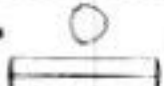
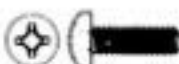



MS 16637-16638 Shoulder Screw Hexagon Socket  Alloy Steel Available in CRES. 3A Fit	MS 17974/5 Switch, Moistureproof Push-Push Action  Per Mil-S 6743	MS 20001 Hinge, Structural  Alloy Supersedes AN252
MS 16992 Bolt, Lag Square Head Gimlet Point  Steel CRES. Steel Sil. Bronze	MS 17984-17990 Pin, Quick- Release Assemblies Available in Button Handle, "T" Handle, "L" Handle, Ring Handle  CRES. Steel Alloy Steel Al Alloy	MS 20002 Washers, Countersunk and Plain  Alloy Steel Under Bolt Head Under Nut Supersedes NAS 143
MS 16994 Nut, Plain Knurled  Brass CRES. Steel 2B Fit	MS 18063/4 Set Screw, Self-Locking, Hex Socket (250°F)— per MS 15981  Alloy Steel CRES. Steel 3A Fit	MS 20003 Indicator Humidity Card  Paper
MS 16995-16998 Hexagon Socket Cap Screws 1960 Series Coarse and Fine  Alloy Steel CRES. Steel 3A Fit	MS 18065/6 Cup Point (Nyllok®)—Long Lok® For Non-Locking Set Screws—See AN565  Alloy Steel CRES. Steel 3A Fit	MS 20004-20024 Belts, Internal Wrenching  Alloy Steel 3A Fit
MS 17121-17123 Terminal, Stud Turret  Brass	MS 18065/6 Set Screw, Self-Locking, Hex Socket (250°F)— per MS 15981  Alloy Steel CRES. Steel 3A Fit	MS 20033-20046 Bolt, Machine, Hexagon Head 1200°F  CRES. Steel 3A Fit 1200 Head Marking
MS 17155-17158 Terminal, Stud, Feedthru  Brass	MS 18067/8 Flat Point (Nyllok®)—Long Lok® For Non-Locking Set Screw—See AN565  Alloy Steel CRES. Steel 3A Fit	MS 20065-20068 Key, Machine (Feather)  Steel Alloy Steel CRES. Steel
MS 17160 Clip, Spring Tension  Steel Beryllium Copper	MS 18067/8 Set Screw, Self-Locking, Hex Socket (250°F)— per MS 15981  Alloy Steel CRES. Steel 3A Fit	MS 20069 Bolt Carriage With Hex Nut  Steel 2A & 2B Fit
MS 17293-17303 Stud-Stepped  Steel 3A Fit Drilled and Undrilled	MS 18067/8 Cone Point (Nyllok®)—Long Lok® For Non-Locking Set Screw—See AN565  Alloy Steel CRES. Steel 3A Fit	MS 20073-20074 Bolt, Machine Aircraft Drilled Head  Steel Available in CRES. 3A Fit Supersedes AN73-AN81
MS 17825/6 Nut, Self- Locking, Castellated, 250°F, Nylon Insert  Alloy Steel 3B Fit	MS 19059-19064 Ball, Bearing  Alloy Steel CRES. Steel Brass Bronze K-Monel	MS 20115 Shackle- Wire, Rope  CRES. Steel Al Alloy Steel Supersedes AN115
MS 17828 Nut, Self-Locking (Nylon Insert) 250°F, Regular Height  Monel	MS 19069/70 Washer, Key, Retaining  Steel Alloy Steel CRES. Steel	MS 20219-20221 Pulley, Groove, Aircraft  Al Alloy Phenolic MS 20219 SUPERSEDES AN219-AN221
MS 17829/30 Nuts, Self-Locking Nylon Insert, 250°F  CRES. Steel Steel 3B Fit Regular Height	MS 20000 Turnbuckle Assembly  Per Mil-T-5685 Also See AN155 and AN165	MS 20253 Pin, Hinge  CRES. Steel For Use with MS 20257 and MS 20001 SUPERSEDES AN253



















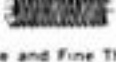
















<p>MS 20257</p>  <p>Hinge, Continuous</p> <p>Al Alloy CRES. Steel</p> <p>SUPERSEDES AN257</p>	<p>MS 20658-20659</p> <p>Terminal Wire Rope, Fork End; Lug Crimp Style</p>  <p>Steel CRES. Steel Copper Bronze</p>	<p>MS 21207</p> <p>100° Flathead Tapping Screw</p>  <p>Steel CRES. Steel</p>
<p>MS 20270-20271</p>  <p>Joint Universal</p> <p>Per Mil-J 6193A</p> <p>SUPERSEDES AN270/AN271</p>	<p>MS 20658</p>  <p>SUPERSEDES AN658/AN659</p>	<p>Type B Type BF Type BG Type BT</p> 
<p>MS 20341</p>  <p>Nut, Plain Hexagon Electrical</p> <p>Brass 2B Fit</p> <p>SUPERSEDES AN341</p>	<p>MS 20663-20664</p>  <p>Ball End, Wire Rope Swaging</p> <p>Steel CRES. Steel</p> <p>SUPERSEDES AN663/AN664</p>	<p>MS 21208-21209</p>  <p>Insert, Screw Thread, Helical Coil</p> <p>CRES. Steel</p> <p>(Free Running and Lock Thread)</p>
<p>MS 20364/5</p>  <p>Nut, Self-Locking 250°F</p> <p>Steel Al Alloy Monel Available in CRES. 3B Fit</p> <p>MS 20364 MS 20365 SUPERSEDES AN364/AN365</p>	<p>MS 20667-20668</p>  <p>Terminal Wire Rope, Fork End, Eye End</p> <p>MS 20667 SUPERSEDES AN667/AN668</p>	<p>MS 21250</p>  <p>Bolt, 12PT External Wrenching</p> <p>Alloy Steel 3A Fit</p>
<p>MS 20392</p>  <p>Pin, Headed Drilled Shank (Clevis)</p> <p>Steel Available in CRES.</p> <p>SUPERSEDES AN392-AN406</p>	<p>MS 20757-20913</p>  <p>Fittings, Elbows, and Connectors</p> <p>Al Alloy Steel Brass CRES. Steel</p>	<p>MS 21251</p>  <p>Turnbuckle Body, Clip Locking</p> <p>Steel Brass Aluminum</p> <p>SUPERSEDES AN155, NAS649 (SEE NOTES)</p>
<p>MS 20426-20470</p>  <p>Rivets, Solid and Tubular</p> <p>Aluminum Al Alloy CRES. Steel Monel Copper Steel</p> <p>100° CTSK</p> <p>Round Head Flat Head Universal Head</p> <p>SUPERSEDES AN426/AN427 (In Part) AN435/AN450/AN470</p>	<p>MS 20995</p>  <p>Wire, Lock</p> <p>CRES. Steel</p> <p>SUPERSEDES AN995</p>	<p>MS 21254-21255</p>  <p>Eye End, Turn Buckle</p> <p>Steel Alloy Steel</p> <p>SUPERSEDES AN165, AN170; NAS648, NAS647 (SEE NOTES)</p>
<p>MS 20500-20501</p>  <p>Nuts, Self-Locking Hexagon and Plate 1200°F</p> <p>CRES. Steel 3B Fit</p> <p>MS 20500</p>	<p>MS 21025</p>  <p>Nut, Castellated Bearing Retaining</p> <p>Steel Alloy Steel 3B Fit</p> <p>Inactive for Design</p>	<p>MS 21258</p>  <p>Washer, Key Retaining</p> <p>Steel</p> <p>SUPERSEDES AN7503</p>
<p>MS 20600-20606</p>  <p>Rivet, Blind Structural & Non-Structural</p> <p>Al Alloy Monel</p> <p>MS 20600</p>	<p>MS 21040</p>  <p>Nut, Self-Locking Hexagonal, 500°F</p> <p>Steel</p> <p>INACTIVE FOR DESIGN—USE MS 21042</p>	<p>MS 21259-21260</p>  <p>Terminal Wire Rope, Stud</p> <p>SUPERSEDES AN666/AN669</p>
<p>MS 20613-20615</p>  <p>Rivet, Solid Universal</p> <p>Steel CRES. Steel Al Alloy Monel Copper</p> <p>SUPERSEDES MS 20435 (In Part)</p>	<p>MS 21042-21046</p>  <p>Nut, Self-Locking Ring Base</p> <p>Steel CRES. Steel Al Alloy Monel</p> <p>SUPERSEDES MS 20365, AN366, NAS1021, AN363</p>	<p>MS 21261</p>  <p>Woodruff Key, Chamfered</p> <p>Alloy Steel Available in CRES.</p> <p>SUPERSEDES AN280 (In Part)</p>












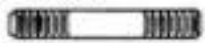
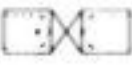

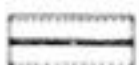















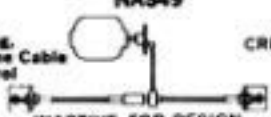
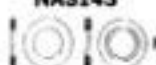
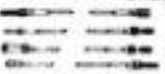
<p>MS 21262</p> <p>Socket Head Cap Screw (Hex) Self-Locking 250° F. 1960 Series</p>  <p>Alloy Steel Available in CRES. 3A Fit</p>  <p>Head Marking</p>	<p>MS 21316-21317</p> <p>Thumbscrew With and Without Shoulder</p>   <p>Shoulder Plain</p> <p>Steel 2A Fit</p>	<p>MS 21921-21935</p> <p>Fittings, Flareless Tubing and Clusters</p>  <p>MS 21928</p> <p>Steel Al Alloy CRES. Steel</p>
<p>MS 21264</p> <p>Nut, Jam, Drilled—Pipe Fitting</p>  <p>CRES. Steel</p> <p>SEE AN324-B</p>	<p>MS 21318</p> <p>Round Head Drive Screw</p>  <p>Type "U" Point</p> <p>CRES. Steel Steel</p>	<p>MS 21982</p> <p>Lamp, 28 Volt Incandescent</p> 
<p>MS 21266</p> <p>Grammet Plastic Edging</p>  <p>Nylon TFE</p>	<p>MS 21321</p> <p>Switch, Sealed Sensitive</p>  <p>CRES. Steel Steel</p> <p>HEX NUT (1-5/8-24 NEF)</p>  <p>Lockwasher (Internal tooth)</p> <p>Washer, Keyway (MS 25081-3)</p>	<p>MS 22002</p> <p>Link, Parachute Removable Connector</p>  <p>Steel</p>
<p>MS 21268-21271</p> <p>Screws, Instrument National Miniature Slotted</p>  <p>Fillister Head Pan Head 100° Flat Head Binding Head</p> <p>Brass CRES. Steel</p>	<p>MS 21322/3</p> <p>Clamp, Loop Plain and Cushioned</p>  <p>Aluminum Al Clad</p>	<p>MS 22003-22010</p> <p>Link, Lap, Aircraft Safety Belt; Bar Adjuster; Shoulder Harness; Release</p>  <p>Steel See AN5043</p>
<p>MS 21277-21294</p> <p>Screw, Bolt 12 Pt. Extended Washer Head Drilled and Undrilled</p>  <p>AM5535 (A-286) 3A Fit</p>	<p>MS 21324-7</p> <p>Snapslide Fasteners Style III, IV</p>  <p>CRES. Steel</p>	<p>MS 22040-22048</p> <p>Parachute Harness Connectors</p>  <p>Steel CRES. Steel Titanium Brass</p>
<p>MS 21295</p> <p>Socket Head Cap Screw (Hex) Self-Locking 250° F. 1960 Series</p>  <p>Head Marking</p> <p>CRES. Steel Available in Alloy Steel 3A Fit</p>	<p>MS 21331</p> <p>Nut, Plain, Clinch</p>  <p>Steel 2B Fit</p>	<p>MS 24017</p> <p>Nut, Plain Hexagon, Mounting</p>  <p>Brass Steel 2B Fit</p>
<p>MS 21301</p> <p>Bolt, Shoulder Hex and Spline Socket</p>  <p>Steel 3A Fit Available in CRES.</p>	<p>MS 21332</p> <p>Fastener, Snapslide</p>  <p>CRES. Steel Phos. Bronze</p> <p>SUPERSEDES AN3195</p>	<p>MS 24127</p> <p>Nut, Plain Hexagon</p>  <p>Nylon 2B Fit</p>
<p>MS 21304</p> <p>Nut, Plain Square</p>  <p>Steel 2B Fit</p>	<p>MS 21333-21334</p> <p>Clamp, Loop Plain and Cushioned</p>  <p>Steel</p>	<p>MS 24318</p> <p>Switch, Push</p>  <p>Al Alloy</p>
<p>MS 21305-21308</p> <p>Washers: Cushion, Flat Round, Flat Square, Saddle</p>  <p>Flat Round Flat Square</p> <p>Steel</p>	<p>MS 21900-21918</p> <p>Fittings, Flareless Tube</p>  <p>CRES. Steel Steel Al Alloy</p> <p>MS 21912</p>	<p>MS 24319</p> <p>Boot, Toggle Switch</p>  <p>Silicone</p> <p>SUPERSEDES AN3224/AN3247 Inactive For Design—Use MIL-B-5423/3</p>
<p>MS 21314-21315</p> <p>Strap, Retaining Two Hole, For Pipe Conduit, Cable and Tubing</p>  <p>Steel</p>	<p>MS 21919-21920</p> <p>Clamp, Loop and Hose</p>  <p>Al Alloy Steel CRES. Steel</p>	<p>MS 24371</p> <p>Boot, Toggle Switch</p>  <p>Silicone</p>















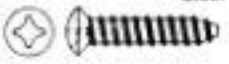



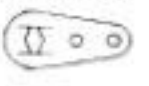

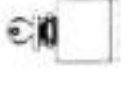



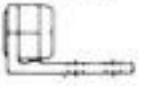




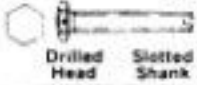


MS 24388-24405 Fittings, Flared and Flareless  MS 24388 Al Alloy CRES. Steel	MS 24639-24642 Tapping Screws Type "B" Slotted  82° Flat Head  Pan Head Steel CRES. Steel	MS 25089 Switch, Push, Moistureproof 									
MS 24566 Pulley, Control  Non Metallic REPLACES AN210 (In Part)	MS 24643-24646 Tapping Screws Type "B" Slotted  82° Flat Head  Pan Head Steel CRES. Steel	MS 25221-25225 Guard, 2 or 3 Position Toggle Switch  Steel Plastic									
MS 24583 82° Flat Head Machine Screw Phillips Recessed  Steel 2A Fit REPLACES MS 35192/31 (In Part)	MS 24647-24650 Tapping Screws Thread Cutting Type "F" Slotted  82° Flat Head  Pan Head Steel CRES. Steel	MS 25226-25227 Bus, Terminal Board; Strip  Copper Plastic									
MS 24584 Pan Head Machine Screw— Phillips Recess  Steel 2A Fit REPLACES MS 35208/9 (In Part)	TAPPING SCREW STYLE CHART <table> <tr> <td>TYPE "A"</td> <td>TYPE "B"</td> <td>TYPE "BF"</td> </tr> <tr> <td>TYPE "BG"</td> <td>TYPE "BT"</td> <td>TYPE "D"</td> </tr> <tr> <td>TYPE "F"</td> <td>TYPE "G"</td> <td>TYPE "T"</td> </tr> </table>	TYPE "A"	TYPE "B"	TYPE "BF"	TYPE "BG"	TYPE "BT"	TYPE "D"	TYPE "F"	TYPE "G"	TYPE "T"	MS 25231-25243 Lamps, Incandescent 
TYPE "A"	TYPE "B"	TYPE "BF"									
TYPE "BG"	TYPE "BT"	TYPE "D"									
TYPE "F"	TYPE "G"	TYPE "T"									
MS 24594 Switch, Sensitive-Plunger Type—High Temperature  CRES. Steel	MS 24661/2 Rivet, Blind, Drive, CTSK. & Universal  Aluminum Steel	MS 25256-25258 Light Indicators 									
MS 24612-24614 Switches, Toggle  Per Mil-S-8834	MS24667-24672 Screw, Cap, Socket Head, Flat Countersunk, 82°  Alloy Steel CRES. Steel	MS 25281 Clamp, Loop-Plastic  Nylon SUPERSEDES MS 39014									
MS 24615-24618 Tapping Screws Type "A" Phillips Recessed  82° Flat Head  Pan Head Steel CRES. Steel	MS24673-24678 Screw, Cap, Socket Head, Hexagon, Drilled 1960 Series  Alloy Steel CRES. Steel 3A Fit	MS 25301 Boot, Circuit Breaker  Silicone Rubber									
MS 24619-24622 Tapping Screws Type "B" Phillips Recessed  82° Flat Head  Pan Head Steel CRES. Steel	MS 24689 Nut, Plain Hexagon Track  Steel Alloy Steel	MS 25311-25312 Ferrule, Shield Grounding and Tool  Brass Nylon Mil-F-21608									
MS 24623-24626 Tapping Screws Type "B" Phillips Recessed  82° Flat Head  Pan Head Steel CRES. Steel	MS 24692 Pin, Tapered Plain  Steel CRES. Steel	MS 25397 Light Indicator  CANCELLED—No Superseding Standard									
MS 24627-24630 Tapping Screws Thread Cutting Type "F" Phillips Recessed  82° Flat Head  Pan Head Steel CRES. Steel	MS 25081 Washer Key  Steel CRES. Steel	MS 25435-25438 Terminal Lug, Crimp Style, Aircraft  Aluminum									
MS 24635-24638 Tapping Screws Type "A" Slotted  82° Flat Head  Pan Head Steel CRES. Steel	MS 25087 Screw, Externally Relieved Body  Steel Class 2 Fit	MS 25440 Washer, Flat  Steel Brass For Use with Aircraft Aluminum Terminals									

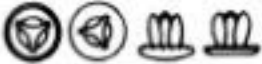


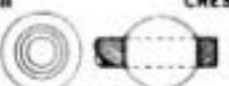








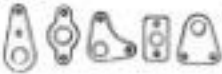


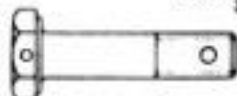




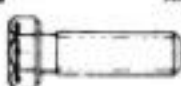


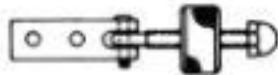



MS 27039 Pan Head Machine Screw Phillips Al Alloy Mang. Bronze Alloy Steel CRES. Steel (A-286) 3A Fit 	MS 27952 Nut, Plain Hexagon Left Hand Steel 	MS 28741 Hose Assembly  SUPERSEDES AN6264, AN6271
MS 27040 Nuts, Plain Square Steel 	MS 27953-27954 Bolt, Hook Body, Turn-Buckle Steel 	MS 28742-28747 Fitting, End Hose, Swivel Al Alloy Steel 
MS 27051 Washer, Slotted Steel Available in CRES. 	MS 27955 Nut, Plain Round, Spinner Alloy Steel 	MS 28749-28750 Elbow, Swivel Al Alloy 
MS 27111-27112 Washer, Key-Flat; Key-Bent Steel Alloy Steel  MS 27111	MS 27956-27964 Hinge, Butt Steel Aluminum Brass Bronze 	MS 28751 Hose, Assembly High Pressure Per Mil-H-5512 
MS 27120 Clevis, Rod End Turn Buckle Steel 	MS 27965-27973 Hasp-Hinged Steel 	MS 28752-28755 Fitting End, Self-Sealing Al Alloy 
MS 27128 Nut, Plain, Welding Steel 	MS 27974 Turnbuckles Assemblies Steel 	MS 28756-28759 Hose Assembly  SUPERSEDES AN6292 (in Part)
MS 27129 Washer, Finishing Countersunk 80°-82° Brass Steel CRES. Steel 	MS 27950-27954 Bolt, Eye MS 27950 Body MS 27954 Bolt, Hook MS 27953 Clevis Rod End MS 27120 Nut Plain L.H. MS 27952 Studwelding MS 27951 Nut Plain R.H. MS 35691	MS 28774 Retainer 
MS 27130-27131 Nut, Blind Rivet Steel Al Alloy 	MS 27975-27976 Clevis, Rod End Steel 	MS 28775 Packing "O" Ring Per Mil-P-25732 
MS 27183 Washer, Flat Round Steel  SUPERSEDES MS 15795 (in Part)	MS 27977-86 Fasteners, Snap Styles 1, 1A, 1B, 2, 2A, 3, 4, 5, 6, 7 Brass 	MS 28776 Scraper Hydraulic Piston Rod Per Mil-S-5049 
MS 27186-27187 Plug, End, Seal Plastic 	MS 27990 Pin, Straight Hinge Aluminum Brass Steel CRES. Steel Bronze 	MS 28777 Ring, Hydraulic Fitting Mil-R-5521 
MS 27950-27951 Bolt, Eye Stud Welding Turnbuckle Steel 	MS 28720 Filter, Aircraft Hydraulic Per Mil-F-5504 	MS 28778 Packing—Preformed Mil-G-5510 

<p>MS 28782-28783</p> <p>Retainer, Packing Ring Back-Up Teflon</p> 	<p>MS 35216-35217</p> <p>Pan Head Machine Screw Phillips Recessed CRES. Steel 2A Fit</p>  <p>Coarse and Fine Thread</p>	<p>MS 35354-35356</p> <p>Bolt, Machine Square Head Unfinished Steel 2A Fit</p>  <p>Coarse Thread Only</p>
<p>MS 35188-35193</p> <p>82° Flat Head Machine Screw Phillips Recessed Steel 2A Fit</p>  <p>Coarse and Fine Threads CANCELLED—USE MS 24583</p>		<p>MS 35357-35366</p> <p>Machine Screw Designs (Inactive)</p> 
<p>MS 35194-35197</p> <p>82° Flat Head Machine Screw Phillips Recessed Steel 2A Fit</p>  <p>Coarse and Fine Threads CANCELLED—IN PART</p>	<p>MS 35218-35219</p> <p>Pan Head Machine Screw Phillips Recessed Al Alloy 2A Fit</p>  <p>Coarse and Fine Thread SUPERSEDES MS 35235, MS 35313 and in Part MS 35357, MS 35358, MS 35362, MS 35364 MS 35366, AN515 and AN526</p>	<p>MS 35425-35426</p> <p>Nut, Plain Wing Steel Brass Available in CRES. Steel 2B Fit</p>  <p>Coarse and Fine Thread SUPERSEDES AN350 (in Part)</p>
<p>MS 35198-35199</p> <p>82° Flat Head Machine Screw Phillips Recessed Brass 2A Fit</p>  <p>Coarse and Fine Threads SUPERSEDES MS 35196, MS 35245, MS 35247, MS 35358 (in Part) and MS 35363 (in Part)</p>		<p>MS 35430-35433</p> <p>Terminal, Lug, Solder Type Copper</p> 
	<p>MS 35221-35236</p> <p>Pan Head Machine Screw Slotted Al Alloy Brass Steel CRES. Steel 2A Fit</p>  <p>Coarse and Fine Thread</p>	<p>MS 35455-35461</p> <p>Cap Screw, Socket Head Hexagon 1936 Series Alloy Steel CRES. Steel 2A Fit</p>  <p>Coarse and Fine Thread</p>
<p>MS 35200-35201</p> <p>82° Flat Head Machine Screw Phillips Recessed CRES. Steel 2A Fit</p>  <p>Coarse and Fine Thread</p>	<p>MS 35237-35262</p> <p>82° Flat Head Machine Screw Slotted Al Alloy Brass Steel CRES. Steel 2A Fit</p>  <p>Coarse and Fine Thread</p>	<p>MS 35489-35490</p> <p>Grommets Rubber</p> 
<p>MS 35202-35203</p> <p>82° Flat Head Machine Screw Phillips Recessed Al Alloy 2A Fit</p>  <p>Coarse and Fine Thread SUPERSEDES MS 35251, MS 35358 (in Part), MS 35363 (in Part)</p>	<p>MS 35263-35278</p> <p>Drilled Filler Head Slotted Al Alloy Brass Steel CRES. Steel 2A Fit</p>  <p>Coarse and Fine Thread</p>	<p>MS 35492-35495</p> <p>Wood Screws Phillips Recessed, Slotted Brass Steel</p>  <p>82° Flat Head Round Head</p>
	<p>MS 35289-35314</p> <p>Cap Screw Hexagon Head Finished Al Alloy Alloy Steel Steel CRES. Steel Brass Monel 2A Fit</p> 	<p>MS 35649-35650</p> <p>Nut, Plain, Hex Machine Screw Steel CRES. Steel 2B Fit</p>  <p>Coarse and Fine Thread</p>
<p>MS 35204-35211</p> <p>Pan Head Machine Screw Phillips Recessed Steel Per FF 5-92 2A Fit</p>  <p>Coarse and Fine Thread Use MS 24584 Cancelled—(in Part)</p>	<p>HEAD MARKINGS MS 35300 Steel, Phos. Finish MS 35301 MS 35306 Alloy Steel MS 35307 MS 35308 CRES. Steel Coarse and Fine Thread</p>	<p>MS 35671-35679</p> <p>Grooved Pin, Headless Brass Steel CRES. Steel</p> 
<p>MS 35212-35215</p> <p>Pan Head Machine Screw Phillips Recessed Brass 2A Fit</p>  <p>Coarse and Fine Thread SUPERSEDES MS 35229, MS 35364, MS 35366, AN515 and AN520 (in Part)</p>	<p>MS 35333-35336</p> <p>Washer, Lock Toothed Steel CRES. Steel Phos. Bronze</p> 	<p>MS 35690-35691</p> <p>Nut, Plain Hexagon Finished, Jam Steel CRES. Steel 2B Fit</p>  <p>Finished Jam Slotted Coarse and Fine Thread</p>
	<p>MS 35337-35340</p> <p>Lock Washer Split, Spring Light, Medium Heavy, Extra Heavy Steel CRES. Steel Phos. Bronze Monel</p> 	














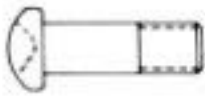


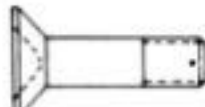


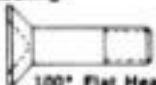


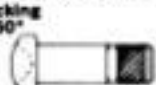


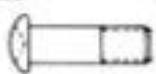

<p>MS 35743-35745</p> <p>Rivets</p>  <p>Steel Copper</p> <p>Per 90° CTSK. Bolt</p>	<p>MS 45905</p> <p>Nut, Plain Hexagon Left Hand</p>   <p>CRES. Steel Steel 2B Fit</p>	<p>MS 122026-122075</p> <p>Washer, Lock Spring</p>  <p>Steel</p>																
<p>MS 35751-35754</p> <p>Carriage Bolt, Round Head; Truss Head; Flat Elevator; Flare</p>  <p>Steel 2A Fit</p> <p>Coarse Thread</p>	<p>MS 51017-51052</p> <p>Set Screws Hexagon Socket</p>   <p>Alloy Steel CRES. Steel 3A Fit</p> <p>Coarse and Fine Thread</p>	<p>MS 122076-122275</p> <p>Insert, Helical Coil</p>  <p>CRES.</p>																
<p>MS 35756</p> <p>Key, Woodruff</p>  <p>Alloy Steel</p>	<table border="1"><tr><th colspan="4">SET SCREW POINT STYLES</th></tr><tr><td>Cup Point</td><td>Knurled</td><td colspan="2">Hexagon</td></tr><tr><th colspan="4">OTHER POINT STYLES</th></tr><tr><td>Flat Point</td><td>Cone Point</td><td>Half Dog Point</td><td>Oval Point</td></tr></table>	SET SCREW POINT STYLES				Cup Point	Knurled	Hexagon		OTHER POINT STYLES				Flat Point	Cone Point	Half Dog Point	Oval Point	<p>MS 122900-122939</p> <p>Clamp Loop (Heat Resistant)</p>  <p>Steel</p>
SET SCREW POINT STYLES																		
Cup Point	Knurled	Hexagon																
OTHER POINT STYLES																		
Flat Point	Cone Point	Half Dog Point	Oval Point															
<p>MS 35763-35764</p> <p>Bolt, Self-Locking Hexagon Head</p>  <p>Steel 2A Fit</p> <p>Coarse and Fine Thread</p>	<p>MS 51053</p> <p>Set Screws Spline Socket</p>   <p>Alloy Steel Available in CRES. 3A Fit</p> <p>Coarse and Fine Thread</p>	<p>MS 124651-124850</p> <p>Insert, Helical Coil</p>  <p>CRES.</p>																
<p>MS 35790</p> <p>Washer, Lock 100° CTSK External Teeth</p>  <p>Steel Phos. Bronze</p>	<p>MS 51054</p> <p>Set Screw— Square Head Cup Point</p>  <p>Steel 2A Fit</p>	<p>MS 134351-134440</p> <p>Ball, Precision Grade</p>  <p>CRES. Steel</p>																
<p>MS 35810</p> <p>Pin, Headed (Clevis)</p>  <p>Steel</p>	<p>MS 51056-51060</p> <p>Set Screw— Slotted</p>  <p>Brass CRES. Steel 2A Fit</p> <p>Coarse and Fine Thread CANCELLED—USE MS 51031, MS 51032, MS 51038 MS 51040</p>	<p>MS 150451-150500</p> <p>Ball</p>  <p>Steel</p>																
<p>MS 35914</p> <p>Insert, Screw Thread, Self Tapping</p>  <p>CRES. Steel Steel 2B Fit</p>	<p>MS 51093-51102</p> <p>Screw, Cap Hexagon Head Drilled Head</p>  <p>Alloy Steel Steel CRES. Steel Al Alloy 2A Fit</p> <p>HEAD MARKINGS Coarse and Fine Thread</p>	<p>MS 171401-171900</p> <p>Pin, Spring</p>  <p>CRES. Steel</p>																
<p>MS 39081</p> <p>Nut, Coupling Electrical, Plain Hex</p>  <p>Al Alloy 2B Fit</p> <p>SUPERSEDES AN3066</p>	<p>MS 51102-51112</p> <p>Screw, Cap Hexagon Head Drilled Shank</p>  <p>Alloy Steel Steel CRES. Steel Al Alloy 2A Fit</p> <p>HEAD MARKINGS Coarse or Fine Thread</p>	<p>MS 172201-172235</p> <p>Washer, Key Bearing, Retaining</p>  <p>Steel</p>																
<p>MS 39086</p> <p>Pins, Spring, Tubular, Coiled</p>  <p>Steel CRES. Steel</p>	<p>MS 51923</p> <p>Pins, Spring, Tubular, Coiled</p>  <p>Steel CRES. Steel</p>	<p>MS 172236-172270</p> <p>Nut, Spanner Bearing, Retaining</p>  <p>Steel</p>																
<p>MS 45901</p> <p>Washer, Flat Electrical</p>  <p>Brass</p>	<p>MS 63040</p> <p>Washer, Flat</p>  <p>Steel</p> <p>SUPERSEDES AN970</p>	<p>MS 172271-172320</p> <p>Washer, Key</p>  <p>Steel</p>																
<p>MS 45904</p> <p>Washer, Lock Internal- External Teeth</p>  <p>Steel</p>	<p>MS 75013</p> <p>Pins, Straight Headless</p>  <p>CRES. Steel</p>	<p>MS 172321-172370</p> <p>Nut, Spanner Aeronautical</p>  <p>Steel</p>																




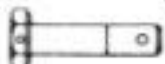
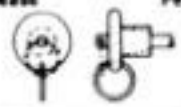







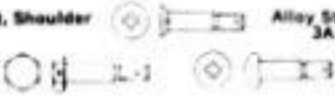




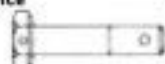





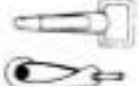





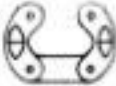
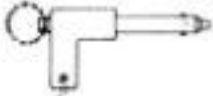
<p>NAS1</p> <p>100° Countersunk Rivet</p>  <p>See Spec.</p> <p>SUPERSEDED BY AN426</p>	<p>NAS50-51</p> <p>Rings-Internal, External Retaining</p>  <p>Steel Beryllium Copper</p>	<p>NAS144-158</p> <p>Bolt, Internal Wrenching</p>  <p>Alloy Steel</p>
<p>NAS2</p> <p>Lubrication Fittings</p>  <p>See Spec.</p> <p>INACTIVE FOR NEW DESIGN—USE AN944</p>	<p>NAS67-69</p> <p>Guide, Fastener Cowl Type</p>  <p>Steel</p>	<p>NAS170-171</p> <p>Clevis, Engine Control Rod, For Welding</p>  <p>Steel</p>
<p>NAS4-5</p> <p>Rod End</p>  <p>Alloy Steel Steel</p>	<p>NAS70</p> <p>Washer, Flat</p>  <p>Alclad Steel CRES. Steel Brass Vulc. Fibre Phenolic</p>	<p>NAS172-176</p> <p>Bolt, Internal Wrenching</p>  <p>Alloy Steel 3A Fit</p>
<p>NAS12</p> <p>Screws, Captive</p>  <p>Al Alloy</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS75-77</p> <p>Bushing, Plain and Flanged, Press Fit</p>  <p>Steel Al Bronze</p>	<p>NAS183-184</p> <p>Studs Coarse and Fine Thread</p>  <p>Steel</p>
<p>NAS15-16</p> <p>Joint, Universal—Male and Female</p>  <p>See Spec.</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS91-93</p> <p>Rod Assembly, Adjustable Clevis Ends</p>  <p>Steel</p> <p>AN486 NAS94 AN316 INACTIVE FOR DESIGN</p>	<p>NAS185</p> <p>Spacer, Split Screw and Bolt</p>  <p>Steel Alclad</p>
<p>NAS21</p> <p>Strip, Terminal Board</p>  <p>Plastic</p>	<p>NAS95-97</p> <p>Rod Assembly Fixed and Adjustable Ends</p>  <p>INACTIVE FOR DESIGN</p>	<p>NAS192</p> <p>Post, Binding Terminal Board</p>  <p>Steel</p>
<p>NAS34-45</p> <p>Pulley</p>  <p>Phenolic Al Alloy</p>	<p>NAS98-100</p> <p>Rod Assembly Adjustable Clevis Ends</p>  <p>Steel</p> <p>AN486 NAS101-2 AN316 INACTIVE FOR DESIGN</p>	<p>NAS200-203</p> <p>Round Head and 100° Countersunk Machine Screws</p>  <p>Steel Brass</p> <p>Phillips Recessed Frearson Recessed</p>
<p>NAS40-41</p> <p>Hinges, Half Continuous; Pin Continuous</p>  <p>Al Alloy Steel</p>	<p>NAS103-118</p> <p>Rod Assembly Adjustable Clevis Ends</p>  <p>Steel Al Alloy</p> <p>AN486 NAS103-110 AN316 AN665 INACTIVE FOR DESIGN</p>	<p>NAS220-227</p> <p>Brazier Head Machine Screws</p>  <p>Al Alloy Alloy Steel Mang. Bronze CRES. Steel (A 286)</p>
<p>NAS42-43</p> <p>Spacer, Rivet, Screw and Bolt</p>  <p>Al Alloy Alloy Steel Steel</p>	<p>NAS119</p> <p>Riveted Assembly</p>  <p>Al Alloy</p> <p>INACTIVE FOR DESIGN—USE NAS355</p>	<p>NAS228-235</p> <p>Brazier Head Machine Screw</p>  <p>Al Alloy Bronze Alloy Steel</p> <p>Frearson Recessed INACTIVE FOR DESIGN SEE NAS220-224; NAS623</p>
<p>NAS44</p> <p>Busbar Electrical</p>  <p>Copper Al Alloy</p>	<p>NAS139-140</p> <p>Studs, Coarse and Fine Thread</p>  <p>Steel</p> <p>SUPERSEDED BY NAS183/184</p>	<p>NAS245-276</p> <p>Fittings; Nipple, Unions, Elbows, Plugs</p>  <p>Plastic</p> <p>INACTIVE FOR DESIGN</p>
<p>NAS49</p> <p>Fitting, Engine Cable Control</p>  <p>Al Alloy CRES. Steel Steel</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS143</p> <p>Washers, Countersunk and Plain</p>  <p>Chrome Molybdenum Steel</p> <p>INACTIVE FOR DESIGN—SEE MS 20002 for use with Bolts NAS144-158 and NAS172-176</p>	<p>NAS302-310/312-320/322-330</p> <p>Cable Assembly Swaged Type—Terminal Type I and II</p>  <p>Steel CRES.</p>

<p>NAS333-340</p> <p>100° Close Tolerance Bolt, High Strength Drilled and Undrilled</p> <p>Steel Available in Ti Alloy 3A Fit</p> <p>INACTIVE FOR DESIGN</p> <p>HEAD MARKING—NAS PART NO. AND 3</p> 	<p>NAS429-430</p> <p>Bearing: Sintered, Plain</p> <p>Sintered Metal Copper Base Iron Base</p> 	<p>NAS451</p> <p>Plug, Button</p>  <p>Steel Brass</p> <p>INACTIVE FOR DESIGN</p>
<p>NAS354-362</p> <p>Control Rod, Tube Assembly</p>  <p>Steel Al Alloy</p>	<p>NAS431-432</p> <p>Bearing-Ball, Rod End Type</p>  <p>Steel CRES. Steel</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS452-453</p> <p>Rivnut-100° CTSK. Head: Flat Head</p>  <p>See Spec.</p> <p>INACTIVE FOR DESIGN</p>
<p>Rod Ends See AN481-490 Rivets See MS 20470 SUPERSEDES NAS97, NAS101, NAS109, NAS110, NAS114, NAS119</p>	<p>NAS434-435</p> <p>Clamp, Loop Type, Sheet Metal Nut</p>  <p>Al Alloy Steel</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS454-455</p> <p>Rivet, Blind</p>  <p>Al Alloy</p> <p>INACTIVE FOR DESIGN</p>
<p>NAS376-379</p> <p>Pulley-Control Secondary, Flight, Heavy Duty</p>  <p>CRES. Steel Al Alloy</p>	<p>NAS436-437</p> <p>Clamp-Harness Wire Bundle</p>  <p>Steel</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS456-457</p> <p>Ring Locking and Sleeve</p>  <p>Steel</p> <p>INACTIVE FOR DESIGN</p>
<p>NAS382-383</p> <p>Bushing-Pulley, Bearing</p>  <p>Steel Phenolic</p>	<p>NAS442</p> <p>Latch, Flush Type</p>  <p>CRES. Steel (Also Monel)</p>	<p>NAS460</p> <p>Washer, Tab Type</p>  <p>Steel</p>
<p>NAS384-389</p> <p>100° Oval Head 82° Oval Head Phillips Recessed</p>  <p>Steel</p>	<p>NAS443</p> <p>Nut, Self-Locking Internal Wrenching</p>  <p>Steel</p>	<p>NAS463</p> <p>Shim, Anchor Nut, Plain</p>  <p>CRES. Steel Steel Al Alloy</p>
<p>NAS416-421</p> <p>Flange-Connection, Gasket</p>  <p>Steel Al Alloy AN-HH 6-171</p>	<p>NAS444-445</p> <p>Nut, Double Lug, Anchor Type; Offset</p>  <p>Steel CRES. Steel</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS464</p> <p>Belt, Shear Close Tolerance</p>  <p>Steel 3A Fit</p>
<p>NAS423</p> <p>Master and Ignition Switch</p>  <p>See Spec.</p>	<p>NAS446</p> <p>Nut, Flat Type</p>  <p>Steel</p> <p>USE AN530 SCREW</p>	<p>NAS476-478</p> <p>Clamp-Cushion Lug Type; Conduit</p>  <p>Al Alloy Syn. Rubber</p> <p>INACTIVE FOR DESIGN</p>
<p>NAS424</p> <p>Coupling, Tube</p>  <p>Steel Al Alloy</p>	<p>NAS447-448</p> <p>Plate Nut, Self-Locking</p>  <p>Steel Al Alloy</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS479-482</p> <p>Clip-Angle or Channel; Tubular; Fuse, Electrical</p>  <p>Steel Beryllium Copper</p> <p>INACTIVE FOR DESIGN</p>
<p>NAS427</p> <p>Pin, Pulley Guard</p>  <p>Steel Al Alloy</p>	<p>NAS449</p> <p>Nut, Anchor Type</p>  <p>CRES. Steel Steel</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS487-489</p> <p>Nut-Instrument Mount; "J" Type; Latching Type</p>  <p>Phos. Bronze Brass Steel</p> <p>INACTIVE FOR DESIGN</p>
<p>NAS428</p> <p>Belt-Adjusting Crowned, Hexagon Head</p>  <p>Alloy Steel 3A Fit</p> <p>Drilled Head Slotted Shank</p>	<p>NAS450</p> <p>Nut Plate, Self-Locking</p>  <p>Steel Al Alloy</p> <p>INACTIVE FOR DESIGN</p>	<p>NAS490-491</p> <p>Shock Mount</p>  <p>Steel Al Alloy Monel AN-1-16</p> <p>INACTIVE FOR DESIGN</p>

NAS492-493 Stud-Trimount, Stud  Steel Brass INACTIVE FOR DESIGN	NAS513 Washer, Rod End Locking  Steel	NAS548 100° Flat Head Tapping Screw Type "B"  Slotted Phillips Frearson Steel
NAS494 Terminal-Ball Type Cable Flanged  CRES. Steel INACTIVE FOR DESIGN	NAS514 100° Flat Head Full Threaded Machine Screw  Alloy Steel	NAS549 Washer, Flat  Phenolic Optional Fittings NAS1236 NAS1240
NAS495 Bolt, Internal Wrenching High Tensile  Alloy Steel 3A Fit INACTIVE FOR DESIGN—See MS 20004 20024	NAS516 *CANCELLED Fitting, Lubrication  Steel	NAS557 Grammet Split  Nylon
NAS497 Fitting Lubrication  Steel INACTIVE FOR DESIGN	NAS517 100° Close Tolerance Machine Screw  Alloy Steel Available in Ti Alloy	NAS558-559 Key, Square; Lock-Rod End  Steel Alloy Steel
NAS500 Shim-Anchors, NUT, CTSK.  Steel CRES. Steel Al Alloy	NAS530 Pulley, Secondary  Al Alloy INACTIVE FOR DESIGN—SEE MS 20219	NAS560 100° Structural Machine Screw, High Temperature Non-Magnetic  CRES. Steel AM55735 (A-286) Discalloy Inconel "X" 2A & 3A Fit Head Marking Phillips Recessed Frearson Recess—INACTIVE FOR DESIGN
NAS501 Bolt, Hex Head Drilled and Undrilled  CRES. Steel 3A Fit Dimension equivalent to AN3-20 Example of NAS Part Number ADD "A" after Dash No. for UNDRILLED (-10A) ADD "H" before Dash No. and "A" after Dash No. for DRILLED HEADS ONLY (SH10A) No. (6-10) DRILLED SHANK ONLY ADD (—) before Dash No. (6-10) DRILLED SHANK ONLY	NAS532 Guard, Switch Toggle  Steel Plastic INACTIVE FOR DESIGN—SEE MS 25214	NAS561 Pins-Spring Heavy Duty  CRES. Steel Steel
NAS508 Rivet, Universal Head  Monel INACTIVE FOR DESIGN—SEE MS 20615	NAS534-536 Ring, Flexible; Washer; Adapter  Al Alloy Phenolic	NAS563-572 Bolt, Full Thread Indented Head Drilled Head  Alloy Steel 3A Fit
NAS509 Nut, Jam Drilled  Steel Available in CRES.	NAS537-538 Bushing, Plain  Alloy Steel Al Bronze	NAS573 Clamp Assembly Electronic Equipment  Al Alloy CRES. Steel
NAS510-511 Link Assembly, Cable Take-Up  Steel Available in CRES. DETAIL PART NUMBERS AN155 Turnbuckle Barrel AN165 Turnbuckle Eye AN23 Clevis Screw AN364 Self-Locking Nut AN960 Plain Washer	NAS534-546 Switch, Toggle Single Pole; Nut, Mounting; Locking Ring  Steel Lockwasher AN936 Lockwasher AN935 Locking Ring NAS546 *Nut NAS545 Screw AN508 INACTIVE FOR DESIGN—See MS 25081/2	NAS574 Pin, Rear Mounting Electronic Equipment  CRES. Steel Al Clad Steel Attaching Bolt AN3-4A

NAS577-578 Nut, Self-Locking Floating Barrel Retainer Steel	NAS645-651 Fork and Eye Turn Buckles; Barrel, Terminal, Turnbuckles, Cable and Clip, Locking Steel CRES. Steel	NAS704-709 Terminal, *1/2" Turret Type Brass
NAS583-590 Bolt 100° Head "Hi-Torque," Close Tolerance 180,000 PSI Steel 3A Fit	NAS653-658 Hexagon Head Bolt, Close Tolerance Drilled Shank Optional Ti Alloy per *NAS621 3A Fit *4A1-4Mn and 6A1-4V	NAS720 Pan Head Screw, Assembled Lock Washer and Flat Washer; Slotted Steel Brass CRES. Steel 2A Fit
NAS600-606 Pan Head Machine Screw, Aircraft— Phillips Recessed Alloy Steel 3A Fit	NAS662 100° Flat Head Machine Screw; Regular and Self- Locking Steel CRES. Steel Brass 2A Fit Self-Locking Head Marking Phillips Recess Slotted	NAS721-725 Lockwasher AN395 (Medium) or MS35338 Flat Washer Reduced O.D. NAS620
NAS607 Pin, Headless Dowel Steel Available in CRES.	NAS663-668 100° Flat Head Bolt, Close Tolerance Ti Alloy per *NAS621 3A Fit *4A1-4Mn and 6A1-4V "Hi-Torque" Recess "Phillips" Recess	NAS721-725 Miniature Screws Slotted CRES. Steel Brass Nickel Silver Fillister Pan 100° flat Binding
NAS608-609 Screw, Has Socket Cap, Plain and Self- Locking— Drilled Head 1936 Series Steel CRES. Steel Alloy Steel 3A Fit Head Marking Per NAS 1347 INACTIVE FOR DESIGN—See NAS1351/2	NAS669-670 Ring, Retainer Steel Beryllium Copper	NAS810-820 Cap Protectors Fittings Plastic
NAS610-616 Pan Head Machine Screw Alloy Steel 2A & 3A Fit INACTIVE FOR DESIGN—See NAS600-606	NAS671 Nut, Plain Hexagon— Small Pattern Steel CRES. Steel Brass 2B Fit	NAS945-947 Cap Protectors, Fittings Plastic
NAS620 Washer Flat Reduced O.D. Steel Al Alloy Brass CRES. Steel	NAS673-678 Hexagon Head Bolt, Close Tolerance Drilled Head or Drilled Shank Ti Alloy per *NAS621 3A Fit *4A1-4Mn and 6A1-4V	NAS1003-1020 Bolt, Machine Hexagon Head/ Drilled Head/ Drilled Shank Undrilled CRES. Steel (A-286) 3A Fit
NAS622 Hook Support Electronic Equip. Clamp Steel CRES. Steel	NAS679 Nut, Self-Locking Low Height 550° F, 800° F Steel CRES. Steel (A-286) 3B Fit	NAS1021-1022 Nut, Self-Locking Full and Shear 250° F, 500° F, 800° F Al Alloy CRES. Steel Steel Monel 3B Fit
NAS623 Pan Head Machine Screw, Short Thread 180,000 PSI Phillips Recess Alloy Steel Head Markings	NAS680-687 Nut, Plate Self-Locking 550° F, 800° F Steel CRES. Steel (A-286) 3B Fit	NAS1023-1033 Nut, Self-Locking Plate Types 250° F, 450° F, 800° F Al Alloy CRES. Steel Steel 3B Fit
NAS624-644 Bolt 12 Pt. External Wrenching 180,000 PSI Alloy Steel	NAS688-695 Nut, Self-Locking Gang Channel Steel Al Alloy CRES. Steel 3B Fit	NAS1034-1041 Nut, Self-Locking Gang Channel 250° F, 550° F, 800° F Al Alloy CRES. Steel Steel 3B Fit Non-CTSK. 100° CTSK.
NAS624-644 Bolt 12 Pt. External Wrenching 180,000 PSI Alloy Steel	NAS696-698 Nut, Plate Self-Locking 550° F, 800° F Steel CRES. Steel (A-286) 3B Fit	NAS1042-1044 Shackle Anchor Steel Alloy Steel

NAS1045 Thimble-Heavy (Wire Cable)  Steel	NAS1098 Nut, Tube Fitting  Aluminum Steel CRES. Steel	NAS1193 Locking Device  CRES. Steel (4104) 17.4 PH
NAS1046-1053 Clip-Wire Rope; Turn Buckle; Chain-Welded; Slinglink, Hooks; Eye Bolt  Steel Alloy Steel	NAS1100-1102 Screw, Torq-Set® Full Thread  Alloy Steel CRES. Steel (A-286) 3A Fit	NAS1195 Shim, Anchor Nut, Miniature  Steel CRES. Steel Al. Clad Al Alloy Titanium Al Alloy
NAS1061 Lockwasher High-Temperature  CRES. Steel	NAS1103-1120 Flat Fillister Pan Head  100° Flat Head Coarse and Fine Thread Alloy Steel 3A Fit	NAS1197 Washer, Flat  CRES. (A-286)
NAS1067-1068 Nut, Plate Self-locking 500°F, 800°F  Steel CRES. Steel 3B Fit	NAS1103-1120 Bolt, Hex Head Close Tolerance 160,000 psi Drilled Shank/Undrilled  Alloy Steel 3A Fit	NAS1198-1200 Rivet, Solid 
NAS1071-1073 Switch Toggle and Guards  Steel Screw AN508 Lockwasher AN935 Locking Ring MS25081 ALSO SEE MS25016/MS35058/MS35059/MS25068	NAS1121-1128 NAS1131-1138 Bolt, Torq-Set® Short Thread  Alloy Steel CRES. (A-286) *Ti Alloy 3A Fit *Per NAS621 (4A1-4Mn and 6A1-4V)	NAS1201 Bead Chain Components and Assembly  Brass CRES. Steel
NAS1080 Collar Lockbolt  Aluminum Steel	NAS1141-1148 NAS1151-1158 Bolt, Torq-Set® Short Thread  Alloy Steel CRES. (A-286) *Ti Alloy 3A Fit *Per NAS621 (4A1-4Mn and 6A1-4V)	NAS1211-1213 Fitting, Tie Down Strap End; Strap  Steel Al Alloy Cotton Nylon
NAS1081 Set Screw, Self-Locking Hex Socket 250°F  Alloy Steel CRES. Steel 3A Fit Type A Flat Pt. Type B Cone Pt. Type D Cup Pt.	NAS1161-1168 Bolt, Self-Locking Torq-Set®  Alloy Steel Available in CRES. (A-286) 3A Fit *Per NAS621 (4A1-4Mn and 6A1-4V)	NAS1216-1218 Pan Head "Hi-Torque®" Bolt  CRES. Steel Alloy Steel CRES. (A-286) 3A Fit Full Thread Short Thread Long Thread
NAS1083-1088 Bolt 100° Flat Head, Close Tolerance  Ti Alloy Per NAS621 "Hi-Torque®" "Phillips" Recess *4A1-4Mn and 6A1-4V	NAS1171-1178 NAS1181-1188 Bolt, Self-Locking Torq-Set® 250°F  Alloy Steel Available in CRES. (A-286) 3A Fit	NAS1219-1221 100° CTSK. "Hi-Torque®" Bolt  CRES. Steel Alloy Steel CRES. (A-286) 3A Fit Full Thread Short Thread Long Thread
NAS1096 Screw-Hex Head, Recessed  Alloy Steel	NAS1189-1191 Screw, Self-Locking Full Thread, 250°F Phillips and Torq-Set®  Alloy Steel CRES. (A-286) 3A Fit	
NAS1097 Rivet-Solid 100° Flush Shear  Al Alloy		

<p>NAS1222 Insert, Helical Coil, Self-Locking CRES. Steel</p>  <p>Inactive for Design—See MS 21209</p>	<p>NAS1287-1288</p>  <p>Nut, Hex Self-Locking; Nut and Washer Shear Pin Alloy Steel AMS5756 3B Fit</p>	<p>NAS1351-1352 Socket Cap Screw-Hex 1960 Series Drilled/ Undrilled Alloy Steel CRES. Steel 3A Fit</p>  <p>Plain Self Locking</p>
<p>NAS1223-1235 Bolt, Self-Locking Hex Head, 250°F Alloy Steel CRES. Steel 3A Fit</p> 		<p>NAS1353-1366 Pin, Quick Release Per NAS1332</p> 
<p>NAS1243-1250 Bolt, 100° Head "Hi-Torque" 160,000 PSI Steel 3A Fit</p> 	<p>NAS1291 Nut, Self-Locking Hexagonal-Low Height, 450°F, 800°F Steel CRES. Steel CRES. (A 286) 3B Fit</p> 	<p>NAS1368 Grommet Flip-Type Plastic</p> 
<p>NAS1251 Eye Bolt-Swivel Steel</p> 	<p>NAS1292-1296 Pin-Threaded Shear-100° CTSK. Alloy Steel Rene 41 3A Fit Use with NAS1287 or NAS1288 Nut and NAS1288W Washer</p> 	<p>NAS1380-1381 Stud, Welding Internal Thread External Thread Steel CRES. Steel</p> 
<p>NAS1252 Washer Flat Al Alloy</p> 	<p>NAS1297-1299 Bolt, Shoulder Alloy Steel 3A Fit</p> 	<p>NAS1382-1385 Fitting, Tie Down, Strap End, Strap Assemble Steel Zinc Alloy Cotton Nylon</p> 
<p>NAS1253-1260 Bolt, 100° Head "Hi-Torque" 160,000 PSI Steel 3A Fit</p> 	<p>NAS1300 Thumb Screw Drilled/Undrilled Steel CRES. Steel 2A Fit</p> 	<p>NAS1386 Eyelet, Electrical Brass Copper (Gold/Cad Plated)</p> 
<p>NAS1261-1265 NAS1266-1270 Bolt, Hex Head Close Tolerance 6Al-4V Per NAS621 3A Fit</p> 	<p>NAS1301 Screw, Pan Head, Assembled Washers Phillips Recess Steel Brass CRES. Steel 2A Fit</p> 	<p>NAS1393 Screw, 82° Flat Head "Torq-Set®" Alloy Steel CRES. Steel 3A Fit</p> 
<p>NAS1271-1280 Bolt, 12 Pt. External Wrenching 6Al-4V Per NAS621 3A Fit</p> 	<p>NAS1302 Lockwasher—MS35338 Flat Washer</p> 	<p>NAS1394-1395 Insert-Threaded Metal, Lt. Wght. Regular and Self- Locking Steel CRES. Steel CRES. (A 286) 3B/3A Fit</p> 
<p>NAS1281-1282 Hook Snap Spring Cast Iron Spring Steel</p> 	<p>NAS1303-1320 Bolt, Hex Head Close Tolerance 160,000 PSI Drilled/Undrilled Alloy Steel 3A Fit</p> 	<p>NAS1397 Clamp-Loop Nylon</p> 
<p>NAS1284-1285 Buckle, Web Strap; Safety Hook</p> 	<p>NAS1329-1330 Nut-Blind Rivet-Internal Thread Al Alloy Steel CRES. Steel 3B Fit</p> 	<p>NAS1398-1400 Rivets-Blind Al Alloy Monel CRES. (A 286)</p> 
<p>NAS1286 Connecting Link Steel</p> 	<p>NAS1332-1346 Pin, Quick Release CRES. Steel</p> 	<p>NAS1401 Washer, Radius Al Alloy Steel Steel</p> 