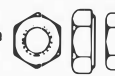
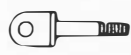
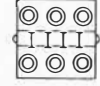
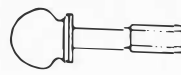
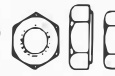
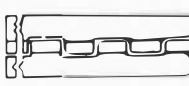
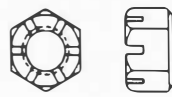
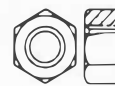
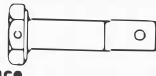
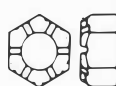
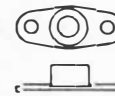
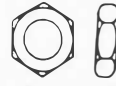
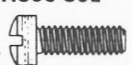
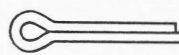
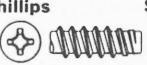
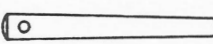
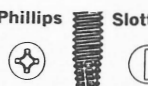
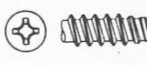
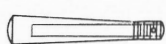
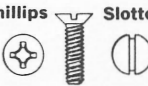
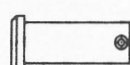
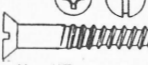
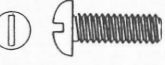
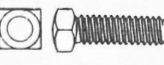
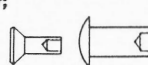
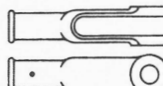
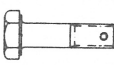
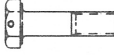
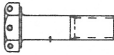
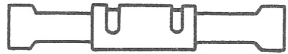
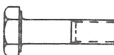
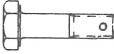
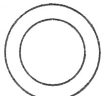
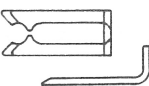
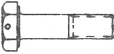
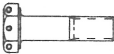
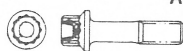
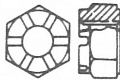
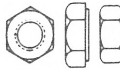
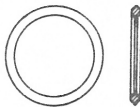
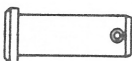
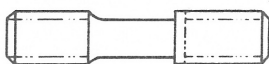
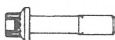
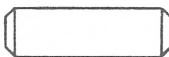
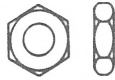
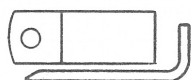
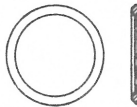
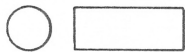
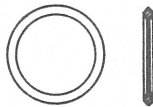
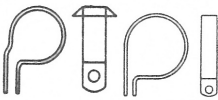
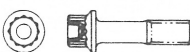
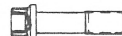
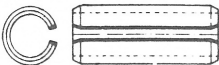
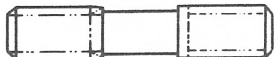
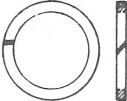
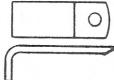


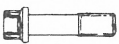
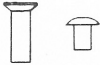
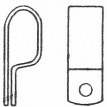
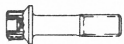
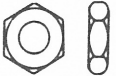
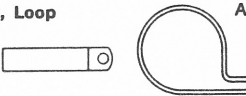
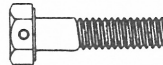
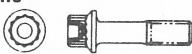
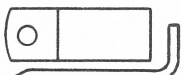
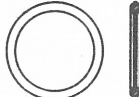
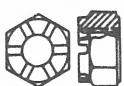
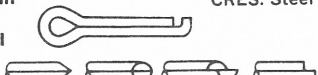
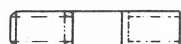
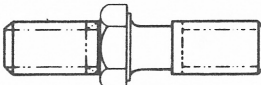
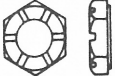
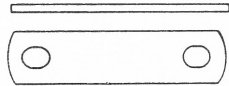
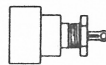
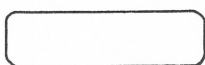
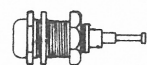
安稳航空紧固件 NAS / AN / MS 产品图参考指南

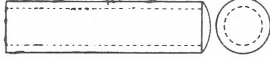
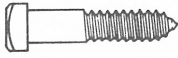
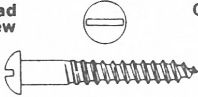
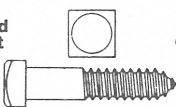
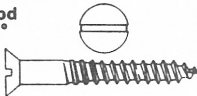
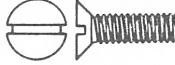
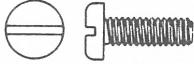
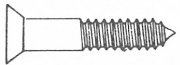
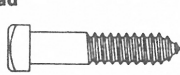
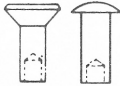
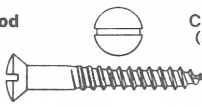
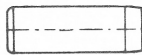
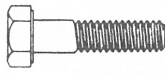
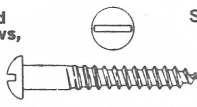
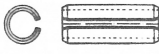
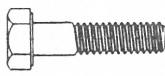
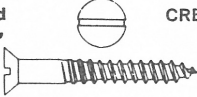
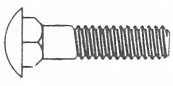
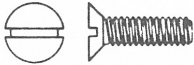
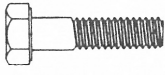
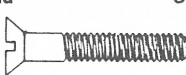
AN Aircraft Bolts  Alloy Steel CRES. Steel Aluminum 3A Fit	AN220 Flight Control Pulley  Phenolic	Nut, Plain Hex; Non-Structural  Brass Steel 2B Fit
AN21-36 Clevis Bolts  Alloy Steel available in CRES. Steel Add the letter "A" after the dash number for undrilled	AN227 Fasteners, Snap and Curtain  See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

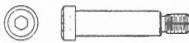
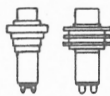
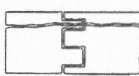
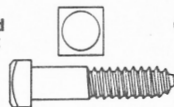
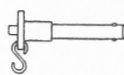
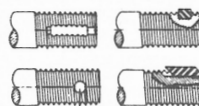
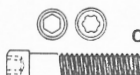
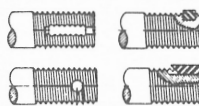
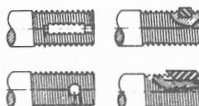
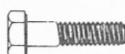
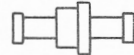
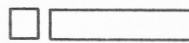
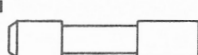
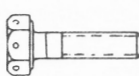
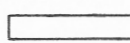
AN366-373 Nut, Plate, Self-locking  Steel Al Alloy 3B & 2B Fit	AN500-501 Machine Screw Fillister Head, Slotted—Coarse, Fine  Steel CRES. Steel Brass 2A Fit Drilled and Undrilled Add "A" before first dash number for Drilled Head	AN526 Phillips Slotted  Steel CRES. Steel Al Alloy 2A Fit Truss Head Machine Screw Coarse and Fine Design II—"Frearson recess"— INACTIVE FOR DESIGN																																
AN380-381 Cotter Pin  Steel CRES. Steel INACTIVE FOR DESIGN—USE MS 24665	AN502-503 Machine Screw, Fillister Head, Drilled; Slotted— Coarse and Fine  Steel 2A Fit	AN530 Phillips Slotted  Round Head Tapping Screw, Type "B" (Z) Steel CRES. Steel Design II—"Frearson recess"— INACTIVE FOR DESIGN																																
AN385-386 Pin, Taper, Plain and Threaded  Steel Alloy Steel CRES. Steel AN385 Drilled and Undrilled <table><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>	AN NUTS, WASHERS AND COTTER PINS								AN Nut AN320	Self-locking Nut AN364	AN Washer AN975	Cotter Pin AN380	AN504 Phillips Slotted  Round Head Tapping Screw, Type "F"— Coarse and Fine Steel CRES. Steel Design II—"Frearson recess"— INACTIVE FOR DESIGN <table><tr><th colspan="4">ALTERNATE POINT STYLES (Optional Types of Ends)</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>Type F</td><td>Type G</td><td>Type D or 1</td><td>Type T or 23</td></tr></table>	ALTERNATE POINT STYLES (Optional Types of Ends)								Type F	Type G	Type D or 1	Type T or 23	ALTERNATE POINT STYLES (Optional Types of Ends) <table><tr><th>Type "B" (Z)</th><th>Type "BF"</th><th>Type "BT"</th><th>Type "BG"</th></tr><tr><td></td><td></td><td></td><td></td></tr></table> AN531 Phillips Slotted  82° Flat Head Tapping Screw Type "B" (Z) Steel CRES. Design II—"Frearson recess"— INACTIVE FOR DESIGN For Alternate Point Styles— see AN530 above	Type "B" (Z)	Type "BF"	Type "BT"	Type "BG"				
AN NUTS, WASHERS AND COTTER PINS																																		
																																		
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Type "B" (Z)	Type "BF"	Type "BT"	Type "BG"																															
																																		
AN386 Threaded Taper Pin  Drilled and Undrilled	AN505/510 Phillips Slotted  82° Flat Head Machine Screw, Coarse and Fine Steel CRES. Steel Brass Al Alloy 2A Fit Design II—"Frearson recess"— INACTIVE FOR DESIGN	AN535 Round Head Drive Screw Type "U" Point  Steel available in CRES.																																
AN392-406 Pins, Flat Head, Clevis  Steel available in CRES. INACTIVE FOR DESIGN—USE MS 20392	AN506 82° Flat Head Tapping Screw, Type "F"— Coarse and Fine  Steel CRES. Steel For alternate point styles—see AN504 above	AN545 Phillips Slotted  Round Head Wood Screw Steel Brass available in CRES. Design II—"Frearson recess"— INACTIVE FOR DESIGN																																
AN415-416 Pins, Lock, Retaining  CRES. Steel Steel	AN507 Phillips Slotted  100° Flat Head Machine Screw, Coarse and Fine Steel CRES. Steel Brass Al Alloy 2A Fit Design II—"Frearson recess"— INACTIVE FOR DESIGN	AN550 Phillips Slotted  82° Flat Head Wood Screw Steel Brass available in CRES. Design II—"Frearson recess"— INACTIVE FOR DESIGN																																
AN420-470 Rivets  Al Alloy Steel CRES. Steel Monel Copper INACTIVE FOR NEW DESIGN— USE MS 20426, MS 20427, MS 20435, MS 20470	AN508 Screw, Round Head, Machine (Electrical)  Brass 2A Fit Slotted	AN560 Square Head Set Screw  Steel Available in CRES. Steel 2A Fit Points: Flat, Cone, Dog, Cup Inactive For Design—See AN565																																
AN450 Rivet, Tubular; Oval Head— Countersunk  Copper, Steel Brass Aluminum Monel available in CRES. 100° CTSK. OVAL HEAD INACTIVE FOR DESIGN—USE MS 2450	AN509 Phillips Slotted  100° Structural Flat Head— Machine Screw, Coarse and Fine Steel CRES. Steel Al Alloy Bronze 3A Fit Design II—"Frearson recess"— INACTIVE FOR DESIGN	AN565 Set Screws Hexagon and Spline Socket Also Slotted  Alloy Steel CRES. Steel 3A Fit Hex Socket Spline Slotted AN POINT STYLE CHART (Add point style type before first dash No.) <table><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><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> Slotted Head—INACTIVE FOR DESIGN Add "H" between numbers for "hexagon" socket. Add "L" between dash numbers for "spline" socket				FLAT Type A	CONE Type B	FULL DOG Type C				CUP Type D	HALF-DOG Type E	OVAL Type F																				
																																		
FLAT Type A	CONE Type B	FULL DOG Type C																																
																																		
CUP Type D	HALF-DOG Type E	OVAL Type F																																
AN481-486 Clevis, Rod End—Adjusting  Steel	AN515/520 Phillips Slotted  Round Head Machine Screw, Coarse and Fine Steel CRES. Steel Brass Al Alloy 2A Fit Design II—"Frearson recess"— INACTIVE FOR DESIGN	AN525 Phillips Slotted  Washer Head Machine Screw Coarse and Fine Steel Al Alloy available in CRES. 3A Fit																																
AN490 Rod, Threaded, Aircraft  Steel																																		

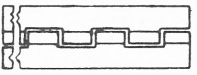
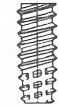
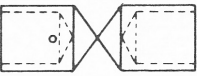
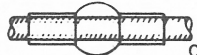
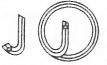
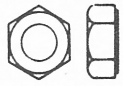
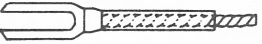
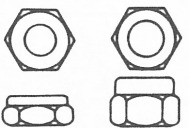
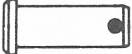
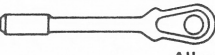
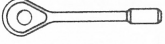
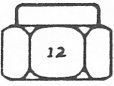
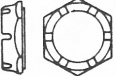
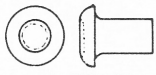
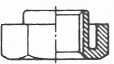
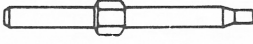
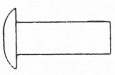
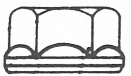
AN658-669 Terminals, Wire Rope and Electrical  AN658—Fork End Available Styles Fork End, Crimp Style, Swaging, Clevis, Eye End INACTIVE FOR DESIGN—USE MS 20658, MS 20659, MS 20663, MS 20664, MS 20667, MS 20668, MS 21259, MS 21260 Steel CRES. Steel Copper	AN944 Fittings, Lubrication    Steel INACTIVE FOR DESIGN—USE MS 15001/2	AN101901-102800 Bolt, Hex Head .190-.750  Steel 3A Fit Drilled Shank
AN671-708 Tie Rods  AN671 Steel CRES. Steel	AN950/955 Washer, Ball Socket/Ball Seat  AN950-AN955 Steel	AN102801-103700 Bolt, Drilled Hex Head .190-.750  Steel 3A Fit Drilled Head, 1 Hole
AN735-742 Clamps Available Styles: Loop, Hose, Tube, Plain Support  AN742—Loop Type Al Alloy Steel CRES. Steel	AN960-975 Washer, Flat  Aluminum Al Alloy Brass Copper Steel CRES.	AN103701-104600 Bolt, Drilled Hex Head .190-.750  Steel 3A Fit Drilled Head, 6 Holes
AN753 Splice, Assembly and Tip  Assembly Per Mil-S-6852	AN995 Lock Wire  CRES. Steel Available in 1 LB. & 5 LB. Spools INACTIVE FOR DESIGN—USE MS 20995	AN104601-105500 Bolt, Hex Head .190-.750  CRES. Steel 3A Fit
AN756-849 Fittings, Aircraft  AN822 Steel CRES. Steel Al Alloy	AN3054-3066 Nut, Coupling Conduit  AN3055 Al Alloy	AN105501-106401 Bolt, Hex Head, Drilled Shank .190-.750  CRES. Steel 3A Fit Drilled Shank
AN886-904 Gaskets, Fittings and Couplings  AN893 Per Mil-R-3065, Mil-G-6183, Cork Bronze Mil-F-5509	AN3195 Fastener, Snapslide  CRES. Steel	AN106401-107300 Bolt, Cres. Drilled Hex Head .190-.750  CRES. Steel 3A Fit Drilled Head, 1 Hole
AN905-909 Plugs  AN905 Bronze Steel Brass	AN3196-3199 Fastener, Snapslide  Style I CRES. Steel Available Styles  Style II  Style III  Style IV	AN107301-108200 Bolt, Cres. Drilled Hex Head .190-.750  CRES. Steel 3A Fit Drilled Head, 6 Holes
AN910-929 Fittings, Aircraft  AN912 CRES. Steel Bronze Brass Al Alloy	AN6225-6230 Packing, "O" and "V" Ring   Al Alloy "O" AND "V" RING	AN115401-115600 Screws, Flat Fillister Head .190-.375  Steel 3A Fit
AN931 Grommets  AN931 Rubber Mil-G-3036	AN6231 Scraper, Rod Hydraulic  See AN-S-60 INACTIVE FOR DESIGN—USE MS 28776	AN115601-115800 Screw, Flat Fillister, .190-.375  Steel 3A Fit Drilled Shank
AN935 Washer, Lock, Spring Split   Steel Bronze available in CRES. Medium and Light Series	AN8013 Washer, Insulator   Steel Al Alloy	AN115801-116150 Screw, Flat Fillister .190-.375  Steel 3A Fit Drilled Head
AN936 Tooth Lock Washer Available Styles:  Type A Internal  Type B External  Type C 82° Ctsk.  Type D 100° Ctsk. Steel Bronze available in CRES.	AN101001-101900 Bolt, Hex Head .190-.750  Steel 3A Fit	AN116901-117080 Screw, Oval Fillister Head .112-.164  Steel 2A Fit Drilled Undrilled

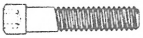
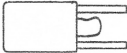
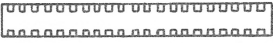
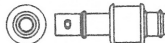
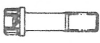
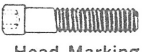
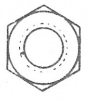
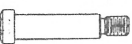
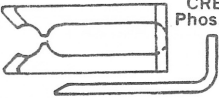
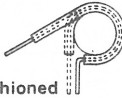
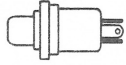
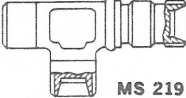
AN121501-121550 Nut, Plain  Steel CRES. Steel 3B Fit	AN150201-150400 Pin, Lock  Steel Brass E1 Marking	MS 9060-9066 Bolt, Machine 12 Point Ext. Washer Head High Temp.  AMS 5735 (A-286) EH19 Head Marking
AN121551-121600 Nut, Castle  Steel CRES. Steel 3B Fit	AN150401-150450 Nut-Hex, Check and Shear Slotted  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 Superceded 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 Bushing Screw, 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 6350 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 .250-.625  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

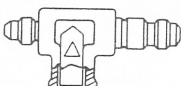
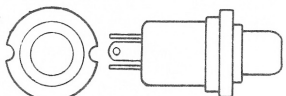
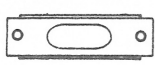
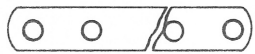
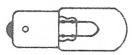
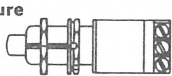
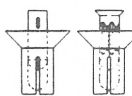
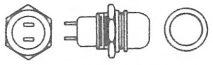
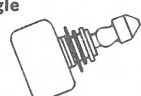
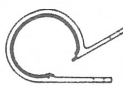
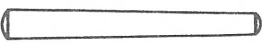
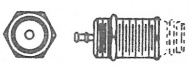
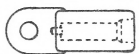
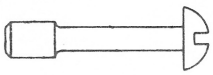
MS 9169-9175 Bolt, Machine 12 Point Head Drilled Steel  E 11 Head Marking	MS 9318/9 Rivets 100° Flush Head and Universal Head Monel 	MS 9391-9395 Clamp, Loop; Cushion; Strap Back Plate CRES. Steel AMS 3303  MS 9391
MS 9177/8-9183-9192 Bolt, Machine Drilled and Undrilled AMS 5735 (A-286) Steel  EH 19 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 CRES. Steel Optional Ends 	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 Belt, 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 

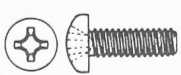
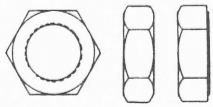
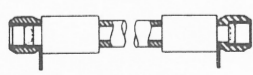
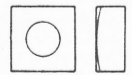
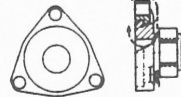
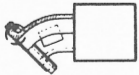
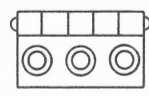
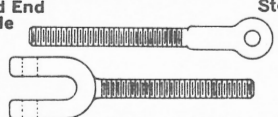
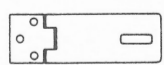
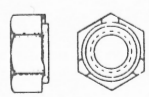
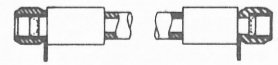
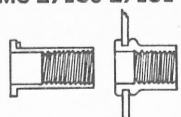
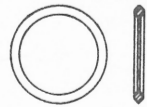
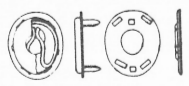
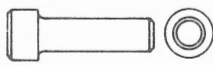
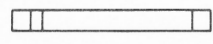
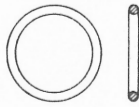
MS 16187 Studs, Full Thread Al Steel 	MS 16209 See MS 16202 See Spec. 	MS 16228 Nut, Self-Locking Hexagon, Hvy. Thin Nylon Insert CRES. Steel 3B Fit 
MS 16198 Round Head Wood Screw Slotted CRES. Steel 	MS 16210 Nut, Plain Hexagon, Machine Screw CRES. Steel 2B Fit 	MS 16230-16235 Lag Bolt, Square Head 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 

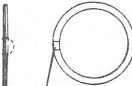
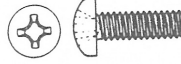
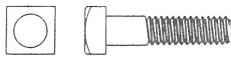
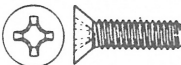
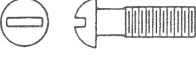
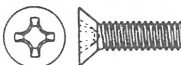
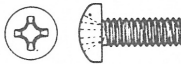
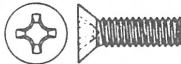
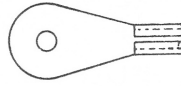
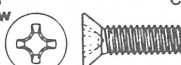
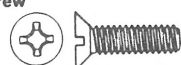
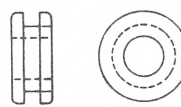
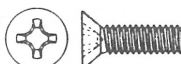
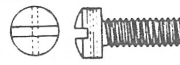
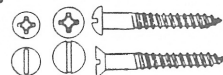
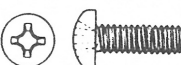
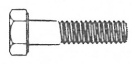
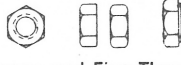
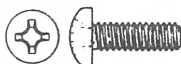
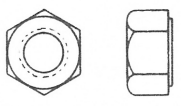
MS 16637-16638 Shoulder Screw Hexagon Socket  Alloy Steel Available in CRES. 3A Fit	MS 17974/5 Switch, Moistureproof Push-Push Action  Per Mil-S 6743	MS 20001 Hinge, Structural  Al Alloy Supersedes AN252
MS 16992 Bolt, Lag Square Head Gimlet Point  Steel CRES. Steel Sil. Bronze	MS 17984-17990 Pin, Quick- 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 Cup Point (Nylok®—Long-Lok®) For Non-Locking Set Screws—See AN565	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 Set Screw, Self-Locking, Hex Socket (250°F)— per MS 15981  Alloy Steel CRES. Steel 3A Fit Flat Point (Nylok®—Long-Lok®) For Non-Locking Set Screw—See AN565	MS 20004-20024 Bolts, Internal Wrenching  Alloy Steel 3A Fit
MS 17121-17123 Terminal, Stud Turret  Brass	MS 18067/8 Set Screw, Self-Locking, Hex Socket, (250°F)— per MS 15981  Alloy Steel CRES. Steel 3A Fit Cone Point (Nylok®—Long-Lok®) For Non-Locking Set Screw—See AN565	MS 20033-20046 Bolt, Machine, Hexagon Head 1200°F  CRES. Steel 3A Fit 1200 Head Marking
MS 17155-17158 Terminal, Stud, Feedthru  Brass	MS 18069 Clip, Spring Tension  Steel Beryllium Copper	MS 20065-20068 Key, Machine (Feather)  Steel Alloy Steel CRES. Steel
MS 17160 Stud-Stepped  Steel 3A Fit Drilled and Undrilled	MS 19059-19064 Ball, Bearing  Alloy Steel CRES. Steel Brass Bronze K-Monel	MS 20069 Bolt Carriage With Hex Nut  Steel 2A & 2B Fit
MS 17293-17303 Nut, Self- Locking, Castellated, 250°F. Nylon Insert  Alloy Steel 3B Fit	MS 19069/70 Washer, Key, Retaining  Steel Alloy Steel CRES. Steel	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 19069/70 Washer, Key, Retaining  Steel Alloy Steel CRES. Steel	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 20000 Turnbuckle Assembly  Per Mil-T-5685 Also See AN155 and AN165	MS 20219-20221 Pulley, Groove, Aircraft  Al Alloy Phenolic MS 20219 SUPERSEDES AN219-AN221
MS 17829/30 Nuts, Self-Locking Nylon Insert, 250°  CRES. Steel Steel 3B Fit Regular Height	MS 20253 Pin, Hinge  CRES. Steel For Use with MS 20257 and MS 20001 SUPERSEDES AN253	

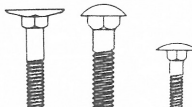
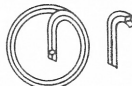
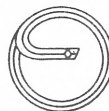
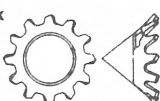
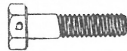
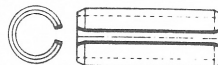
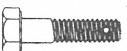
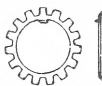
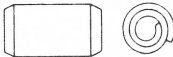
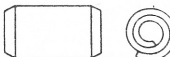
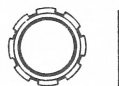
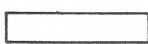
MS 20257  Hinge, Continuous Al Alloy CRES. Steel SUPERSEDES AN257	MS 20658-20659 Terminal Wire Rope, Fork End; Lug Crimp Style Steel CRES. Steel Copper Bronze   MS 20658 SUPERSEDES AN658/AN659	MS 21207 100° Flathead Tapping Screw Steel CRES. Steel      Type B Type BF Type BG Type BT
MS 20270-20271 Joint Universal  Per Mil-J 6193A SUPERSEDES AN270/AN271	MS 20663-20664 Ball End, Wire Rope Swaging Steel CRES. Steel  SUPERSEDES AN663/AN664	MS 21208-21209 Insert, Screw Thread, Helical Coil CRES. Steel  (Free Running and Lock Thread)
MS 20341 Nut, Plain Hexagon Electrical  Brass 2B Fit SUPERSEDES AN341	MS 20667-20668 Terminal Wire Rope Fork End; Eye End  MS 20667 SUPERSEDES AN667/AN668	MS 21250 Bolt, 12PT External Wrenching  Alloy Steel 3A Fit
MS 20364/5 Nut, Self-Locking 250°F  Steel Al Alloy Monel Available in CRES. 3B Fit MS 20364 SUPERSEDES AN364/AN365	MS 20757-20913 Fittings, Elbows, and Connectors  Al Alloy Steel Brass CRES. Steel	MS 21251 Turnbuckle Body, Clip Locking  Steel Brass Aluminum SUPERSEDES AN155, NAS5649 (SEE NOTES)
MS 20392 Pin, Headed Drilled Shank (Clevis)  Steel Available in CRES. SUPERSEDES AN392-AN406	MS 20822 Terminal Wire Rope Fork End; Eye End  SUPERSEDES AN757-AN913	MS 21252-21253 Clevis End, Turn Buckle, Clip Locking  Steel Alloy Steel SUPERSEDES AN161, AN162; NAS645 NAS646 (SEE NOTES)
MS 20426-20470 Rivets, Solid and Tubular  Aluminum Al Alloy CRES. Steel Monel Copper Steel 100° CTSK Round Head Flat Head Universal Head SUPERSEDES AN426/AN427 (In Part) AN435/AN450/AN470	MS 20995 Wire, Lock  CRES. Steel SUPERSEDES AN995	MS 21254-21255 Eye End, Turn Buckle  Steel Alloy Steel SUPERSEDES AN165, AN170; NAS648, NAS647 (SEE NOTES)
MS 20500-20501 Nuts, Self-Locking Hexagon and Plate 1200°F  CRES. Steel 3B Fit MS 20500	MS 21025 Nut, Castellated Bearing Retaining  Steel Alloy Steel 3B Fit Inactive for Design	MS 21258 Washer, Key Retaining  Steel SUPERSEDES AN7503
MS 20600-20606 Rivet, Blind Structural & Non-Structural  Al Alloy Monel MS 20600	MS 21040 Nut, Self-Locking Hexagonal, 500°F INACTIVE FOR DESIGN—USE MS 21042  Steel	MS 21259-21260 Terminal Wire Rope, Stud  SUPERSEDES AN666/AN669
MS 20613-20615 Rivet, Solid Universal  Steel CRES. Steel Monel Copper SUPERSEDES MS 20435 (In Part)	MS 21042-21046 Nut, Self-Locking Ring Base  Steel CRES. Steel Al Alloy Monel SUPERSEDES MS 20365, AN366, NAS1021, AN363	MS 21261 Woodruff Key, Chamfered  Alloy Steel Available in CRES. SUPERSEDES AN280 (In Part)

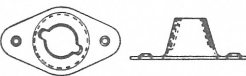
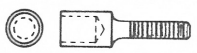
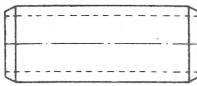
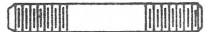
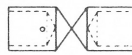
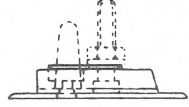
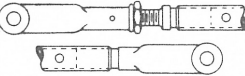
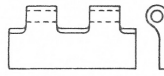
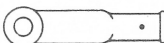
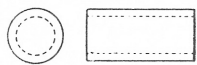
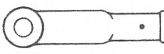
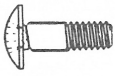
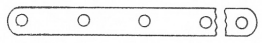
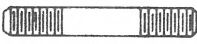
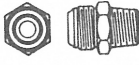
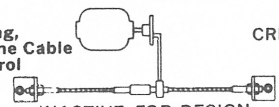
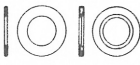
MS 21262 Socket Head Cap Screw (Hex) Self-Locking 250° F. 1960 Series    Alloy Steel Available in CRES. 3A Fit  Head Marking	MS 21316-21317 Thumbscrew With and Without Shoulder   Steel 2A Fit Shoulder Plain MS 21318 Round Head Drive Screw  Steel CRES. Steel Type "U" Point	MS 21921-21935 Fittings, Flareless Tubing and Cluster  Steel Al Alloy CRES. Steel MS 21926 MS 21982 Lamp, 28 Volt Incandescent 
MS 21264 Nut, Jam, Drilled—Pipe Fitting  CRES. Steel SEE AN924-8	MS 21321 Switch, Sealed Sensitive  CRES. Steel Steel  Lockwasher (Internal tooth)  HEX NUT (1-5/8-24 NEF) Washer, Keyway (MS 25081-3)	MS 22002 Link, Parachute Removable Connector  Steel
MS 21266 Grommet Plastic Edging  Nylon TFE	MS 22003-22010 Link, Lap, Aircraft Safety Belt; Bar Adjuster; Shoulder Harness; Release  Steel See AN6043	
MS 21268-21271 Screws, Instrument National Miniature Slotted  Fillister Head  Pan Head  100° Flat Head  Binding Head Brass CRES. Steel	MS 21322/3 Clamp, Loop Plain and Cushioned  Aluminum Al Clad	MS 22011-22022 Connectors Parachute  CRES. Steel
MS 21277-21294 Screw, Bolt 12 Pt. Extended Washer Head Drilled and Undrilled  AMS535 (A-286) 3A Fit	MS 21324-7 Snapslide Fasteners Style III, IV  CRES. Steel	MS 22040-22048 Parachute Harness, Connectors  Steel CRES. Steel Titanium Brass
MS 21295 Socket Head Cap Screw (Hex) Self-Locking 250° F. 1960 Series  CRES. Steel Available in Alloy Steel 3A Fit  Head Marking	MS 21331 Nut, Plain, Clinch  Steel 2B Fit	MS 24017 Nut, Plain Hexagon, Mounting  Brass Steel 2B Fit
MS 21301 Bolt, Shoulder Hex and Spine Socket  Steel 3A Fit Available in CRES. 	MS 21332 Fastener, Snapslide  CRES. Steel Phos. Bronze SUPERSEDES AN3195	MS 24127 Nut, Plain Hexagon  Nylon 2B Fit
MS 21304 Nut, Plain Square  Steel 2B Fit	MS 21333-21334 Clamp, Loop Plain Cushioned  Steel 	MS 24318 Switch, Push  Al Alloy 
MS 21305-21308 Washers; Cushion, Flat Round, Flat Square, Saddle  Flat Round  Flat Square Steel	MS 21900-21918 Fittings, Flareless Tube  CRES. Steel Steel Al Alloy MS 21912	MS 24319 Boot, Joggle Switch  Silicone SUPERSEDES AN3224/AN3247 Inactive For Design—Use MIL-B-5423/3
MS 21314-21315 Strap, Retaining Two Hole, For Pipe Conduit, Cable and Tubing  Steel	MS 21919-21920 Clamp, Loop and Hose  Al Alloy Steel CRES. Steel	MS 24371 Boot, Toggle Switch  Silicone 

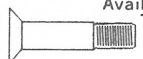
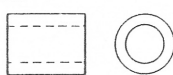
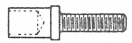
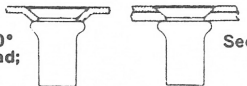
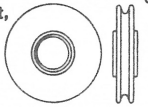
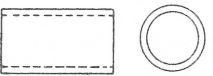
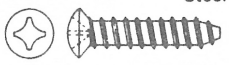
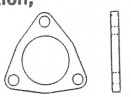
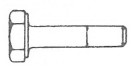
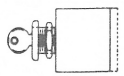
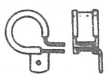
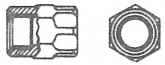
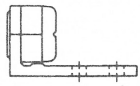
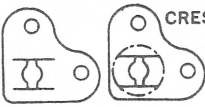
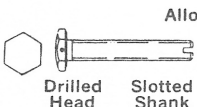
MS 24388-24405 Fittings, Flared and Flareless  Al Alloy CRES. Steel MS 24388	MS 24639-24642 Tapping Screws Type "B" Slotted  82° Flat Head Pan Head Steel CRES. Steel	MS 25089 Switch, Push, Moistureproof 									
MS 24566 Pulley, Control  Non-Metallic REPLACES AN210 (In Part)	MS 24643-24646 Tapping Screws Type "BF" 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 "BF" Phillips Recessed  82° Flat Head Pan Head Steel CRES. Steel	MS 24692 Pin, Tapered Plain  CRES. Steel 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									

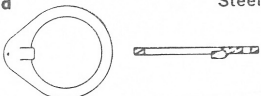
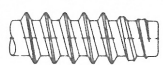
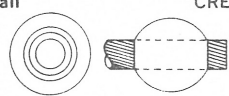
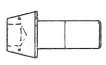
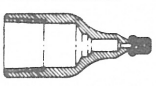
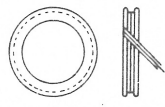
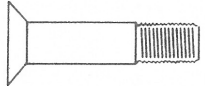
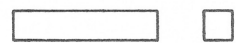
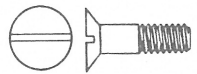
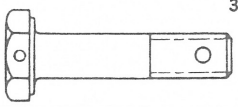
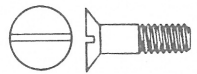
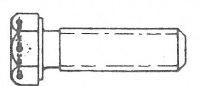
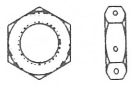
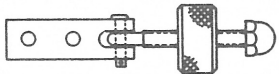
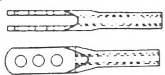
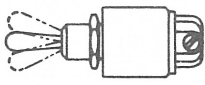
MS 27039 Pan Head, Machine Screw Phillips Al Alloy Mang. Bronze Alloy Steel CRES. Steel (A-286) 3A Fit 	MS 27952 Nut, Plain Hexagon Left Hand Steel 	MS 28741 Hose Assembly  SUPERSEDES AN6264, AN6271
MS 27040 Nuts, Plain Square Steel 	MS 27953-27954 Bolt, Hook; Body; Turn-Buckle Steel 	MS 28742-28747 Fitting, End Hose, Swivel Al Alloy Steel 
MS 27051 Washer, Slotted Steel Available in CRES. 	MS 27955 Nut, Plain Round, Spanner 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 	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 

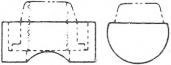
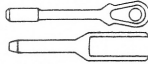
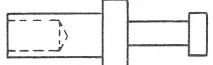
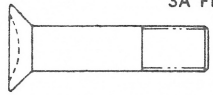
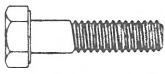
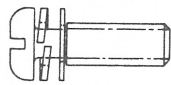
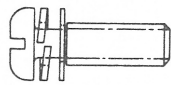
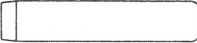
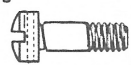
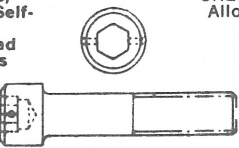
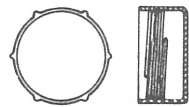
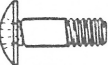
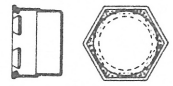
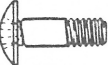
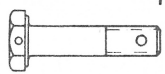
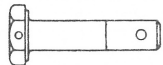
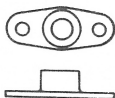
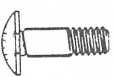
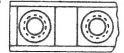
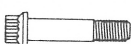
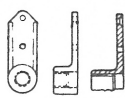
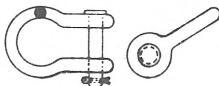
MS 28782-28783 Retainer, Packing; Ring Back-Up  Teflon	MS 35216-35217 Pan Head Machine Screw Phillips Recessed CRES. Steel 2A Fit  Coarse and Fine Thread	MS 35354-35356 Bolt, Machine Square Head Unfinished Steel 2A Fit  Coarse Thread Only
MS 35188-35193 82° Flat Head Machine Screw Phillips Recessed  Steel 2A Fit Coarse and Fine Threads CANCELLED—USE MS 24583		MS 35357-35366 Machine Screw Designs (Inactive) 
MS 35194-35197 82° Flat Head Machine Screw Phillips Recessed  Steel 2A Fit Coarse and Fine Threads CANCELLED—IN PART	MS 35218-35219 Pan Head Machine Screw Phillips Recessed Al Alloy 2A Fit  Coarse and Fine Thread SUPERSEDES MS 35235, MS 35313 and In Part MS 35357, MS 35359, MS 35362; MS 35364-MS 35366, AN515 and AN526	MS 35425-35426 Nut, Plain Wing  Steel Brass Available in CRES. Steel 2B Fit Coarse and Fine Thread SUPERSEDES AN350 (In Part)
MS 35198-35199 82° Flat Head Machine Screw Phillips Recessed  Brass 2A Fit Coarse and Fine Threads SUPERSEDES MS 35196, MS 35245, MS 35247, MS 35358 (In Part) and MS 35363 (In Part)	MS 35221-35236 Pan Head Machine Screw Slotted  Al Alloy Brass Steel CRES. Steel 2A Fit Coarse and Fine Thread	MS 35430-35433 Terminal, Lug, Solder Type  Copper
MS 35200-35201 82° Flat Head Machine Screw Phillips Recessed  CRES. Steel 2A Fit Coarse and Fine Thread	MS 35237-35262 82° Flat Head Machine Screw Slotted  Al Alloy Brass Steel CRES. Steel 2A Fit Coarse and Fine Thread	MS 35489-35490 Grommets  Rubber
MS 35202-35203 82° Flat Head Machine Screw Phillips Recessed  Al Alloy 2A Fit Coarse and Fine Thread SUPERSEDES MS 35251, MS 35358 (In Part), MS 35363 (In Part)	MS 35263-35278 Drilled Filler Head Slotted  Al Alloy Brass Steel CRES. Steel 2A Fit Coarse and Fine Thread	MS 35492-35495 Wood Screws Phillips Recessed, Slotted  Brass Steel 82° Flat Head Round Head
MS 35204-35211 Pan Head Machine Screw Phillips Recessed  Steel Per FF-S-92 2A Fit Coarse and Fine Thread Use MS 24584 Cancelled—(In Part)	MS 35289-35314 Cap Screw Hexagon Head Finished  Al Alloy Alloy Steel CRES. Steel Brass Monel 2A Fit	MS 35649-35650 Nut, Plain, Hex Machine Screw  Steel CRES. Steel 2B Fit Coarse and Fine Thread
MS 35212-35215 Pan Head Machine Screw Phillips Recessed  Brass 2A Fit Coarse and Fine Thread SUPERSEDES MS 35229, MS 35364, MS 35366; AN515 and AN520 (In Part)	MS 35333-35336 Washer, Lock Toothed  Steel CRES. Steel Phos. Bronze MS 35337-35340 Lock Washer Split, Spring Light, Medium Heavy, Extra Heavy  Steel CRES. Steel Phos. Bronze Monel	MS 35690-35691 Nut, Plain Hexagon Finished, Jam  Steel CRES. Steel 2B Fit Finished Jam Slotted Coarse and Fine Thread

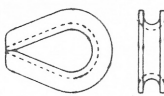
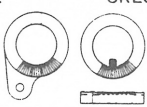
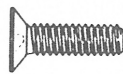
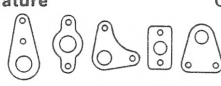
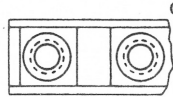
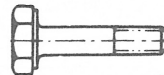
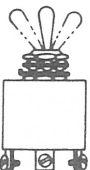
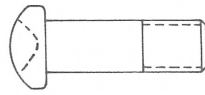
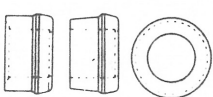
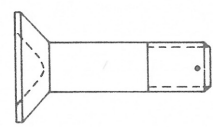
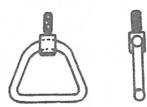
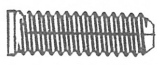
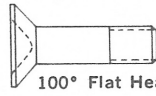
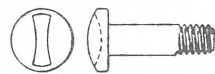
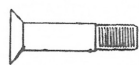
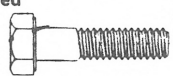
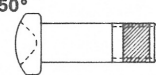
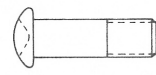
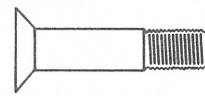
MS 35743-35745 Rivets  Steel Copper Per 90° CTSK. Belt	MS 45905 Nut, Plain Hexagon Left Hand  Steel CRES. Steel 2B Fit	MS 122026-122075 Washer, Lock Spring  Steel							
MS 35751-35754 Carriage Bolt, Round Head; Truss Head; Flat Elevator; Plow  Steel 2A Fit Coarse Thread	MS 51017-51052 Set Screws Hexagon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

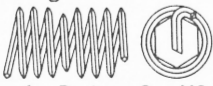
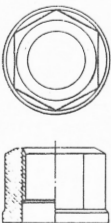
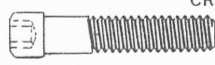
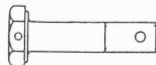
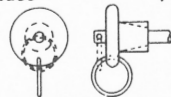
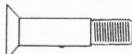
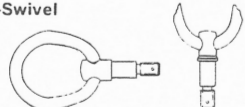
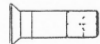
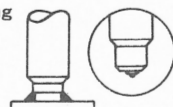
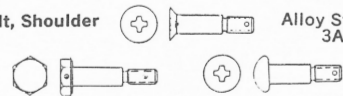
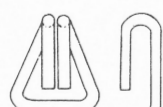
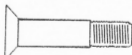
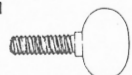
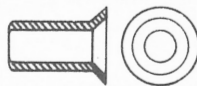
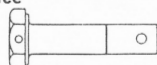
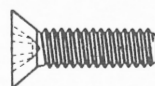
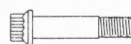
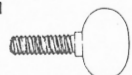
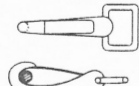
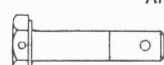
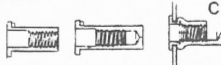
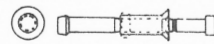
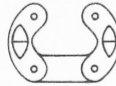
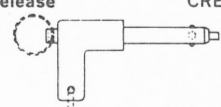
NAS1 100° Countersunk Rivet  See Spec. SUPERSEDED BY AN426	NAS50-51 Rings- Internal, External Retaining  Steel Beryllium Copper	NAS144-158 Bolt, Internal Wrenching  Alloy Steel
NAS2 Lubrication Fittings  See Spec. INACTIVE FOR NEW DESIGN—USE AN944	NAS67-69 Guide, Fastener Cowl Type  Steel	NAS170-171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

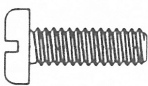
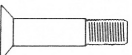
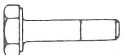
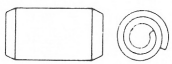
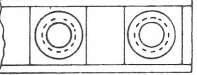
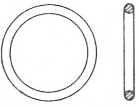
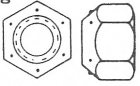
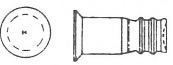
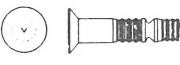
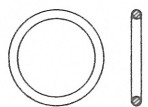
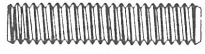
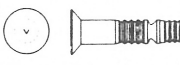
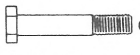
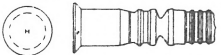
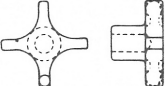
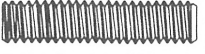
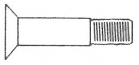
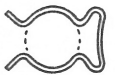
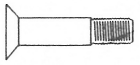
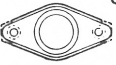
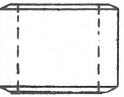
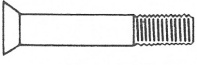
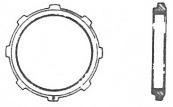
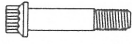
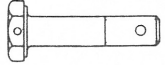
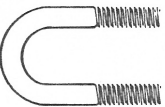
NAS333-340 100° Close Tolerance Bolt, High Strength Drilled and Undrilled Steel Available in Ti Alloy 3A Fit INACTIVE FOR DESIGN HEAD MARKING—NAS PART NO. AND Δ 	NAS429-430 Bearing-Sintered, Plain Sintered Metal Copper Base Iron Base 	NAS451 Plug, Button Steel Brass INACTIVE FOR DESIGN 
NAS354-362 Control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

NAS492-493 Stud-Trimount; Stud  Steel Brass INACTIVE FOR DESIGN	NAS513 Washer, Rod End Locking  Steel	NAS548 100° Flat Head Tapping Screw Type "B"  Steel Slotted Phillips Frearson
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  Steel Fitting, Lubrication	NAS557 Grommet 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-Anchor Nut, CTSK.  Steel CRES. Steel Al Alloy		NAS560 100° Structural Machine Screw, High Temperature Non-Magnetic  CRES. Steel AMS5735 (A-286) Discoloy Inconel "X" 2A & 3A Fit
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 (6H10A) No. (6-10) DRILLED SHANK ONLY ADD (—) before Dash No. (6-10) DRILLED SHANK ONLY	NAS530 Pulley, Secondary  Al Alloy INACTIVE FOR DESIGN—SEE MS 20219	NAS561 Head Marking  Phillips Recessed Frearson Recess—INACTIVE FOR DESIGN
NAS508 Rivet, Universal Head  Monel INACTIVE FOR DESIGN—SEE MS 20615	NAS532 Guard, Switch Toggle  Steel Plastic INACTIVE FOR DESIGN—SEE MS 25214	NAS563-572 Bolt, Full Thread Indented Head Drilled Head  Alloy Steel 3A Fit
NAS509 Nut, Jam Drilled  Steel Available in CRES.	NAS534-536 Ring, Flexible; Washer; Adapter  Al Alloy Phenolic	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	NAS537-538 Bushing, Plain  Alloy Steel Al Bronze	NAS534-546 Switch, Toggle Single Pole; Nut, Mounting; Locking Ring  Steel Lockwasher AN936 *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, Stud; Turret Types  Brass
NAS583-590 Bolt 100° Head "Hi-Torque," Close Tolerance 160,000 PSI  Steel 3A Fit	NAS653-658 Hexagon Head Bolt, Close Tolerance Drilled Shank Optional  Ti Alloy per *NAS621 3A Fit *4Al-4Mn and 6Al-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 *4Al-4Mn and 6Al-4V "Hi-Torque" Recess "Phillips" Recess	NAS721-725 Miniature Screws Slotted  CRES. Steel Brass Nickel Silver Fillister Pan 100° flat Binding
NAS608-609 Screw, Hex 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
NAS610-616 Pan Head Machine Screw  Alloy Steel 2A & 3A Fit INACTIVE FOR DESIGN—See NAS600-606	NAS673-678 Hexagon Head Bolt, Close Tolerance Drilled Head or Drilled Shank  Ti Alloy per *NAS621 3A Fit *4Al-4Mn and 6Al-4V	NAS1003-1020 Bolt, Machine Hexagon Head Drilled Head/ Drilled Shank Undrilled  CRES. Steel (A-286) 3A Fit
NAS620 Washer Flat Reduced O.D.  Steel Al Alloy Brass 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
NAS622 Hook Support Electronic Equip. Clamp  Steel CRES. Steel	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
NAS623 Pan Head Machine Screw, Short Thread 160,000 PSI Phillips Recess  Alloy Steel Head Markings	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	Flat Fillister Pan Head 100° Flat Head Coarse and Fine Thread	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 Nut MS25082 Screw AN508 Locking Ring MS25081 Lockwasher AN935 ALSO SEE MS25016/MS35058/ MS35059/MS25068	NAS1121-1128 NAS1131-1138 Bolt, Torq-Set® Short Thread  Alloy Steel CRES. (A-286) *Ti Alloy 3A Fit Flat Fillister Pan Head *Per NAS621 (4AI-4Mn and 6AI-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 Brazier Head 100° Flat Head *Per NAS621 (4AI-4Mn and 6AI-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 100° Flat Head	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 *4AI-4Mn and 6AI-4V	NAS1096 Screw-Hex Head, Recessed  Alloy Steel	NAS1171-1178 NAS1181-1188 Bolt, Self-Locking Torq-Set® 250°  Alloy Steel Available in CRES. (A-286) 3A Fit
NAS1097 Rivet-Solid 100° Flush Shear  Al Alloy	NAS1189-1191 Screw, Self-Locking Full Thread, 250° Phillips and Torq-Set®  Alloy Steel 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

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

NAS1402-1406 Pan Head Aircraft Screw Phillips Recess 160,000 PSI  Alloy Steel 2A Fit	NAS1503-1510 Bolt, 100° Head, "Hi-Torque®"  Alloy Steel 3A Fit	NAS1588 Bolt, Shear Hex Head 1200°F  CRES. (U-212) Per NAS1597 Cond. F 3A Fit
NAS1407 Pin-Spring, Coiled  Steel CRES. Steel	NAS1512-1513 Nut, Self-Locking Gang Channel  Steel Al Alloy CRES. Steel	NAS1593-1596 Packing "O" Ring Preformed  Syn. Rubber
NAS1408-1409 Nut, Self-Locking  Steel CRES. Steel 2B Fit	NAS1515 Washers  Plastic Syn. Rubber	NAS1603-1610 Bolt, 100° Head Close Tolerance 160,000 PSI  Alloy Steel 3A Fit Phillips Recess Hi-Torque® Recess
NAS1414-1422 NAS1424-1432 Lockbolt-Shear 100° Head, Flat Head  Alloy Steel	NAS1516-1522 NAS1525-1532 Lock Bolt, 100° Head; Protruding Head  Al Alloy	NAS1611-1613 Packing "O" Ring Preformed  Syn. Rubber
NAS1431 Rod, Continuous Thread  Steel CRES. Steel 2A Fit Cancelled—See NAS1454	NAS1535-1542 NAS1546-1552 Lock Bolt, 100° Head; Protruding Head  Al Alloy	NAS1620-1628 NAS1630-1634 Screw-Torq-Set® 100° Flat Head  Alloy Steel CRES. (A-286) 3A Fit Pan Head
NAS1436-1442 NAS1446-1452 Lockbolt, Shear 100° Head; Protruding Head  Alloy Steel	NAS1553 Knobs, Hand  Alloy Steel Al Alloy Available in CRES.	NAS1635 Screw-Pan Head Phillips Recess Regular and Self-Locking  CRES. Steel (Non-Mag.) 2A Fit
NAS1454 Rod, Continuous Threaded  Steel CRES. Steel 2A Fit	NAS1578-1579 Bolt, Pan Head, 1200°F 185,000 PSI  Torq-Set® CRES. (U-212) Per NAS1597 Cond. F 3A Fit Hi-Torque®	NAS1703-1710 Bolt, 100° Head Close Tolerance 160,000 PSI  Steel 3A Fit
NAS1463-1464 Clip, Spring  Steel Beryllium Copper	NAS1580-1582 Bolt, 100° Flush Head, 1200°F 185,000 PSI  Torq-Set® CRES. (U-212) Per NAS1597 Cond. F 3A Fit Hi-Torque®	NAS1806-1816 NAS1906-1916 Rivet, Hi-Shear  Ti Alloy per NAS621
NAS1473 Nut, Cap, Self-Sealing, Self-Locking, Two Lug Floating, Plate  Steel CRES. Steel 3B Fit	NAS1583-1585 Pin, Hi-Shear 1200°F; Collar 100° CTSK.  Inconel "X" Per AMS 5667	NAS2803-2810 Bolt, 100° Head Torq-Set 180,000 PSI  Alloy Steel 3A Fit
NAS1493 Lock Nut Bearing, Retaining  Steel	NAS1586 Bolt, 12 Pt. Ext. Wrenching 1200°F; Drilled/Undrilled  Bolt CRES. (U-212) Per NAS1597 Cond. F 3A Fit	NAS2903-2920 NAS3003-3020 Hex Head Bolt, Close Tolerance, 160,000 PSI  Alloy Steel 3A Fit Drilled/Undrilled
NAS1496-1502 Lock Bolt-Protruding Head  Alloy Steel	NAS1587 Washer 1200°F  Plain CTSK. CRES. Steel Type 321/347	NAS3103-3110 NAS3303-3305 Bolt; Hook  Steel CRES. Steel 2A Fit

安稳航空紧固件原材料参考

CARBON STEELS

MILITARY (MIL) SPECIFICATION	SIMILAR AISI NUMBER	SIMILAR AMS NUMBER
MIL-S-866B	C1016	—
MIL-S-891	C1018	—
MIL-S-7097	C1018	—
—	C1020	5032A, 5045B
—	C1025	5075A, 5077A
MIL-S-8559	C1095	5132C
MIL-S-8617	C1035	5080C
MIL-S-11310A	C1022	5070B
MIL-S-11595A	C1052	—
MIL-S-16124		
Class 1a	C1117	5022F
Class 1b	C1118	—
Class 2	C1137	5024C
MIL-S-16410		
Comp. 1	C1095	5132C
Comp. 2	C1065	—
Comp. 3	C1065	—
MIL-S-16782	C1010	5040E, 5042E, 5044C
		5060B
MIL-S-16782	C1015	—
MIL-S-16782	C1018	—
MIL-S-16974B	C1015	5060B
MIL-S-18411	C1115	5060B
MIL-S-20137A	C1050	—
MIL-S-20166	C1019	—

STAINLESS STEELS

MILITARY (MIL) SPECIFICATION	SIMILAR AISI NUMBER	SIMILAR AMS NUMBER
MIL-S-853*		
Class 1, Types A,B,C	304	5639
Class 2, Types A,B,C	302	5636A, 5637A
Class 3, Types A,C,E,F	410	5613C
Class 4	430	5627
Class 5, Types A,F	420	5620B, 5621
Class 6, Types A,C,E	416	5610E
Class 7, Types A,B,C	303	5640E, 5641A, 5742
Class 8, Type A	321, 347	5645F, 5646D
Class 9, Types A,C	317	—
Class 10, Types A,E,F	431	5628B
Class 11, Type A	310	5651C
Class 12	325	—
MIL-S-861A		
Class 410	410	5613C
MIL-S-7720		
Comp. 302	302	5636A, 5637A, 5639
Comp. 303S	303S	5640E, 5641A, 5742
Comp. 303Se	303Se	5640E, 5641A, 5742
Comp. 316	316	5648B, 5649
MIL-S-18170		
Comp. 304	304	5639A
Comp. 304L	304L	5647
Comp. 347	347	5646D
MIL-S-18732A	431	5628B
—	17-4 PH	5643C

*Superseded by QQ-S-00763a. QQ-S-00763a in turn superseded by issue #1, and finally by QQ-S-763b, dated 5/8/57.

xxii

ALUMINUM

FEDERAL (QQ) SPECIFICATION	SIMILAR SAE NUMBER	SIMILAR AMS NUMBER	GRADE
QQ-A-261	260	4153A	2014
QQ-A-266	260	4121A	2014
QQ-A-267	24	4125F	2024
QQ-A-268	24	4120D	2024
QQ-A-270	281	4150B	6061
QQ-A-277	215	4154D	7075
QQ-A-282	215	4122B	7075
QQ-A-315a	201	4114A	5052
QQ-A-325a	281	—	6061
QQ-A-351d	26	4118C	2017
QQ-A-356c	29	—	3003
QQ-A-357	29	—	3003
QQ-A-365	202	—	2011
QQ-A-411c	25	4102A	1100

NON-FERROUS METALS

COMMERCIAL NAME	FEDERAL (QQ) SPECIFICATION	MILITARY (MIL) SPECIFICATION
Free Cutting Brass	B-626b Comp. 22	C-895a
Leaded Naval Bronze	B-637 Comp. 2	N-994b Comp. B.
Naval Brass	B-637	B-994c
Yellow Brass	B-626b Comp. 1	—
Aluminum Bronze	B-633 Comp. 5	B-15939 Comp. 5
Manganese Bronze	M-80	—
Phosphor Bronze	B-750	—
Silicon Aluminum Bronze	B-633 Comp. 1	N-15939 Comp. 1
Silicon Bronze	C-591a Class B	C-17516 Comp. 1
Tobin Bronze	B-637	—
Copper	C-502b	—
Monel	N-281a Class A	N-894 Class A
"R" Monel	N-281a Class B	N-894 Class B
"K" Monel	N-286b Class A	C-17506 Class A
"KR" Monel	N-286a Class B	C-17506 Class B
Everdur 1010	C-591b	C-17516
Everdur 1014	B-679	B-6946
Everdur 1015	C-591b	C-17516
Titanium Comm. Pure	—	T-9046 Class 7
Titanium 4-4	—	T-9046 Class 6
Titanium 6-4	—	T-9046 Class 5
Titanium 5-2.5	—	T-9046 Class 3

ALLOY STEELS

MILITARY (MIL) SPECIFICATION	SIMILAR AISI NUMBER	SIMILAR AMS NUMBER
—	8617	6272D
MIL-N-3182	4615	6290
MIL-S-5000A	E4340	6415E
MIL-S-5626	4140	6382D
MIL-S-6049	8740	6322D, 6324A, 6325C, 6327C
MIL-S-6050	8630	6280C
MIL-S-6098	8735	6320D
MIL-S-6758	4130	6370D
MIL-S-7393A		
Comp. I	E3310	6250D
Comp. II	E3316	—
MIL-S-7493B	4615	6290C
—	4617	6292C
—	4620	6294C
MIL-S-8503	6150	6448B
MIL-S-8690	8620	6274F, 6276
MIL-S-8695	4037	6300
MIL-S-8699A	4330	—

安稳航空紧固件-镀层及表面处理

MILITARY SPECIFICATION	SIMILAR MIL-F-14072 SPECIFICATION	SIMILAR MIL-STD-171A SPECIFICATION	SIMILAR AMS SPECIFICATION	SIMILAR FEDERAL SPECIFICATION	DESCRIPTION
MIL-A-8625A, Type I				QQ-A-696	Anodized (Cromic Acid)
MIL-A-8625A, Type II				QQ-A-696	Anodized (Sulfuric Acid)
MIL-C-490A, Grade I		5.1.2		TT-C-490, Type I	Iron Phosphate (Parkerize)
MIL-C-490A, Grade I	M226, M263	1.9.3		QQ-Z-325, Type III	Zinc Phosphate
MIL-C-490A, Grade I, II	E212	5.3.2	2480A		Zinc Phosphate (Bonderite)
MIL-C-5541	E511, E513	7.1, 7.2, 7.3	2473A, 2470D		Anodized
MIL-C-11436	M215	1.2.2	2406B	QQ-C-320, Class 2	Chromium, Hard
	M216	1.2.1		QQ-C-320, Class 1	Chromium, Decorative
MIL-C-12968, Type A					Manganese Phosphate, Dry
MIL-C-13924A, Class I		3.3.1	2485C		Black Oxide
MIL-C-13924A, Class II		3.3.2			Black Pentrate
MIL-C-14550	M214, M254	1.10	2418A		Copper
MIL-C-20218		1.2.5			Chromium, Porous
MIL-C-26074A		1.4.3			Electroless Nickel
MIL-F-495A		3.2			Black (Chemical) Finish, for Copper
MIL-F-13924		3.3.1.1	2485C		Black Oxide
Class 1, Grade A					
MIL-G-45204, Type I	M310	1.11.1			Yellow Gold, 24 Carat
MIL-G-45204, Type II	M310	1.11.2			Yellow Gold, 23-Carat, Hard
MIL-L-13762		1.3.3			Hot Dip Lead
MIL-13808, Type I		1.3.1	2414A		Lead
MIL-L-13808, Type II	M223, M260	1.3.2			Lead Copper Undercoat
MIL-L-22273					Electrofilm
MIL-L-25504A					Electrofilm
MIL-M-3171A		8.2			Chrome Pickle Treatment for Magnesium
MIL-P-6871, Type I		1.2.1		QQ-C-320, Class I	Chromium, Decorative
MIL-P-14535		1.4.4			Black Nickel
MIL-P-14538		1.2.4			Chromium, Black
MIL-P-16232B, Type M	E211	5.3.1	2481B		Maganese Phosphate, Oil
MIL-P-16232B		5.3.1.3			Maganese Phosphate, Dry
Type M, Class 3					
MIL-P-16232B		5.3.2			Zinc Phosphate, Oil
Type Z, Class 1					
MIL-P-16232B		5.3.2.3			Zinc Phosphate, Dry
Type Z, Class 3					
MIL-S-5002		1.1	2400K	QQ-P-416, Type I	Cadmium
MIL-S-5002		1.9	2402D	QQ-Z-325, Type I	Zinc
MIL-T-10727A, Type I		1.8.1	2408A		Electro-Tin
MIL-T-10727A, Type II		1.8.2	2409B		Hot Tin
Mil-T-12879		1.9.4.1			Zinc, Hot-Dip Galvanizing plus Chromate
					Zinc, Bright Chromate (Clear)
MIL-T-12879, Type II		1.9.3	2402D		Zinc and Black Chromate (Black)
MIL-T-12879, Type II	M227	1.9.2		QQ-Z-325	Zinc, Olive Drab plus Chromate (Dull Olive)
					Zinc, Unbleached Chromate (Yellow)
MIL-T-12879, Type II	M226	1.9.2		QQ-Z-325, Type II	Zinc, Hot Dip Galvanized
MIL-Z-17871		1.9.4			Zinc, Hot Dip Galvanized plus Chromate (MIL-T-12879)
MIL-Z-17871		1.9.4.1			Silver, Matte
	M211	1.7.4	2410C	QQ-S-365, Type I	Silver, Semi-Bright
	M211	1.7.5	2412B	QQ-S-365A, Type II	Silver, Bright
	M211	1.7.6	2412B	QQ-S-365A, Type III	Nickel, B (Bright) or M (Matte)
	M212, M213	1.4.1	2403B	QQ-N-290	
				Class I, Type I	
		1.4.2	2403B	QQ-N-290, Class II	Nickel
	M216	1.2.1		QQ-C-320, Class I, II	Chromium, Decorative
			2400K		Cadmium and Bright Chromate (Clear)
		1.1.3			Cadmium and Black Chromate (Black)
	M224, M226	1.1.2	2400K	QQ-P-416, Type II	Cadmium and Bronze Chromate (Yellow)
	M225	1.1.2	2400K	QQ-P-416, Type II	Cadmium and Olive Drab Chromate (Dull Olive)
	M224, M261	1.1.3	2400K	QQ-P-416, Type III	Cadmium and Phosphate (Black)
	E300	5.4		FF-S-86	Passivate