

# FTI BUYERS' GUIDE

## Product Categories and Update Form

The products covered by this checklist fall into five major categories: Fastener & Precision Formed Parts; Materials, Wire, Rod, Bar & Strip; Manufacturing/Distribution Supplies & Service; Machinery/Equipment/Process Classifications; and Assembly Equipment/Tools/Supplies.

NOTE: The product/contact update form on the last page should be updated and returned as soon as possible. If you would like to see a new product category in our next issue that is not listed, please write the category name on the form and send to [mcnulty@fastenertech.com](mailto:mcnulty@fastenertech.com). A • precedes any new category.

If you are a new listing for this edition, review the product codes provided. Complete the last page, filling in the product codes in the boxes, along with your company information. Please note that up to 10 product codes will be provided free of charge. Advertisers (one-fourth page or greater) in the directory issue will receive unlimited product codes. Their listings will also appear in **boldface type**. **Those not advertising will be charged \$10 for each product code over 10**. A check must be included with this form if over 10 listings or we will bill you.

Publisher reserves the right to edit, modify or exclude any listing and is not responsible for the accuracy or completeness of directory listings beyond exercising reasonable care in preparation.

### Fasteners & Precision Formed Parts

00001 ANCHORS - Concrete Expansion  
 00002 ANCHORS - Drywall  
 00003 ANCHORS - Epoxy  
 00004 ANCHORS - Plastic  
 00006 ANCHORS - Wedge  
 00008 BALL JOINTS-Spherical  
 00011 BOLTS - Adjustable Diameter  
 00055 BOLTS - Aircraft (AN, MS, NAS)  
 00057 BOLTS - Aluminum  
 00060 BOLTS - Anchor  
 00075 BOLTS - Askew Head  
 00099 BOLTS - Bent  
 00119 BOLTS - Blind  
 00125 BOLTS - Brass  
 00132 BOLTS - Captive  
 00176 BOLTS - Carriage  
 00183 BOLTS - Connecting Rod  
 00190 BOLTS - Elevator  
 00200 BOLTS - Encapsulation  
 00210 BOLTS - Expansion  
 00224 BOLTS - Extreme Temperature  
 00228 BOLTS - Eye  
 00229 BOLTS - Fiberglass (Reinforced)  
 00231 BOLTS - Fitting Up  
 00238 BOLTS - Flange  
 00253 BOLTS - Friction Grip  
 00260 BOLTS - Guardrail  
 00290 BOLTS - Hanger  
 00297 BOLTS - Hex Head  
 00330 BOLTS - Hex Washer Head  
 00352 BOLTS - High Temperature Industrial (ASTM A193)  
 00374 BOLTS - Hook  
 00418 BOLTS - Indented Foundation  
 00451 BOLTS - J-Bolts  
 00452 BOLTS - JIS  
 00453 BOLTS - Joint  
 00455 BOLTS - Lag  
 00460 BOLTS - Left Hand  
 00466 BOLTS - Load Indicator  
 00475 BOLTS - Low Temperature Industrial (ASTM A320)  
 00495 BOLTS - Machine, Non-Locking  
 00539 BOLTS - Machine, Self-Locking  
 00572 BOLTS - Metric Thread  
 00574 BOLTS - Miniature  
 00575 BOLTS - Non-ferrous  
 00585 BOLTS - Place  
 00595 BOLTS - Plastic  
 00616 BOLTS - Plow  
 00626 BOLTS - Quick Release  
 00633 BOLTS - Rivet Type  
 00639 BOLTS - Safety  
 00641 BOLTS - Self-Insulating  
 00643 BOLTS - Self-Retaining  
 00645 BOLTS - Self-Sealing  
 00647 BOLTS - Sheet Metal  
 00650 BOLTS - Square Head  
 00660 BOLTS - Stainless  
 00668 BOLTS - Star  
 00675 BOLTS - Step  
 00693 BOLTS - Stove  
 00706 BOLTS - Structural  
 00708 BOLTS - Structural, Alternate Design  
 00715 BOLTS - Strut  
 00730 BOLTS - Super Strength  
 00737 BOLTS - T-Head  
 00740 BOLTS - Tamperproof

00744 BOLTS - Tank  
 00752 BOLTS - Tapered  
 00770 BOLTS - Toggle  
 00773 BOLTS - Torque Limiting  
 00775 BOLTS - Track  
 00814 BOLTS - 12 Point Head  
 00840 BOLTS - U Bolts  
 00845 BOLTS - Undercut  
 00856 BOLTS - Wheel  
 00859 CABLE/WIRE TIES - Plastic Molded  
 00860 CAPS - Protection  
 00861 CLAMPS - Adjustable  
 00864 CLAMPS - Bandclamp  
 00866 CLAMPS - Bar  
 00867 CLAMPS - Blind  
 00868 CLAMPS - "C"  
 00869 CLAMPS - Clinch  
 00870 CLAMPS - Collars  
 00872 CLAMPS - Component Mountings  
 00873 CLAMPS - Ear  
 00874 CLAMPS - Earless  
 00876 CLAMPS - Gear  
 00877 CLAMPS - Hose  
 00879 CLAMPS - Hose Grip  
 00881 CLAMPS - Motor Mountings  
 00882 CLAMPS - Open-End  
 00885 CLAMPS - Oval  
 00888 CLAMPS - Poly  
 00890 CLAMPS - Ratchet Lock  
 00893 CLAMPS - Screw Lock  
 00894 CLAMPS - Shaft  
 00895 CLAMPS - Split Hub  
 00896 CLAMPS - Spring  
 00899 CLAMPS - Stepless  
 00902 CLAMPS - Synchro/Servo  
 00903 CLAMPS - Threaded Bore  
 00905 CLAMPS - Toggle  
 00908 CLAMPS - Twin  
 00909 CLEVIS - Adjustable Yokes  
 00911 CLIPS - "C"  
 00912 CLIPS - Christmas Tree  
 00914 CLIPS - Molding  
 00917 CLIPS - Tubular  
 00920 CLIPS - "U"  
 00923 CLIPS - Wire  
 00924 COLD HEADED - Specialties  
 00925 DRAWN SHELLS  
 00927 EXTRUSIONS - Cold Formed  
 00928 EYELETS  
 00929 FASTENERS - Aerospace  
 00930 FASTENERS - Cold Formed  
 00931 FASTENERS - Electronic Captive Screws  
 00932 FASTENERS - Automotive  
 00935 FASTENERS - Grommets  
 00938 FASTENERS - Hole Plugs  
 00941 FASTENERS - Hook & Loop  
 00945 FASTENERS - Hot Heading  
 00953 FASTENERS - Mechanical Belt  
 00956 FASTENERS - Mil-Spec  
 00958 FASTENERS - NAS  
 00960 FASTENERS - Powder Actuated  
 00962 FASTENERS - Press Button  
 00964 FASTENERS - Railroad Track/Trestle  
 00972 FASTENERS - Rotary Stud  
 00975 FASTENERS - Self-Locking  
 00976 FASTENERS - Self-Sealing  
 00978 FASTENERS - Slide  
 00980 FASTENERS - Specials  
 00981 FASTENERS - Tamperproof

00982 FASTENERS - Toggle Latch  
 00985 FASTENERS - Warmed Formed  
 00986 HANDLES - Plastic Molded  
 00988 INSERTS - Anchor Nut  
 00989 INSERTS - Blind End  
 00991 INSERTS - Blind Hole  
 00992 INSERTS - Closed End  
 00994 INSERTS - Expansion  
 00995 INSERTS - Floating, Self Aligning  
 00996 INSERTS - Interference Fit  
 00997 INSERTS - K-Type  
 00998 INSERTS - Locking  
 01000 INSERTS - Metric Thread  
 01010 INSERTS - Molded In  
 01015 INSERTS - (NUTSERTS)  
 01025 INSERTS - Post Molded  
 01040 INSERTS - Pressed In  
 01073 INSERTS - Sandwich Panel  
 01080 INSERTS - Screw Anchor, Metallic  
 01092 INSERTS - Screw Anchor, Non-Metallic  
 01096 INSERTS - Self-Clinching  
 01100 INSERTS - Self-Threading  
 01130 INSERTS - Sheet Metal  
 01132 INSERTS - Snap In  
 01134 INSERTS - Spark Plug  
 01136 INSERTS - Staked In  
 01138 INSERTS - Tapping  
 01141 INSERTS - Threaded Bushings  
 01142 INSERTS - Threaded In  
 01143 INSERTS - Tubing  
 01155 INSERTS - Two Piece  
 01167 INSERTS - Welded In  
 01178 INSERTS - Wire Thread  
 01185 KNOBS - Plastic Molded  
 01190 NAILS - Aluminum  
 01200 NAILS - Coated  
 01233 NAILS - Common  
 01254 NAILS - Finish  
 01260 NAILS - Hot Dipped Zinc-Coated  
 01273 NAILS - Ring Shank & Threaded  
 01299 NAILS - Roofing  
 01309 NAILS - Molding  
 01320 NAILS - Screw  
 01330 NAILS - Stainless Steel  
 01375 NAILS - T Head  
 01419 NUTS - Acorn, Non-Locking  
 01452 NUTS - Acorn, Self-Locking  
 01496 NUTS - Aircraft (AN,MS,NAS)  
 01500 NUTS - Aluminum  
 01530 NUTS - Anchor,Captive  
 01573 NUTS - Anchor, Non-Locking  
 01617 NUTS - Anchor, Self-Locking  
 01625 NUTS - Barrel  
 01635 NUTS - Battery  
 01645 NUTS - Bearing  
 01646 NUTS - Binder Post  
 01647 NUTS - Blind  
 01648 NUTS - Brass  
 01650 NUTS - Cage  
 01660 NUTS - Cap  
 01675 NUTS - Castle  
 01694 NUTS - Clinch  
 01710 NUTS - Clip On, Non-Locking  
 01722 NUTS - Clip On, Self-Locking  
 01742 NUTS - Coupling  
 01748 NUTS - Dome  
 01755 NUTS - Extruded (U-Type)  
 01757 NUTS - Eye  
 01760 NUTS - Fiberglass (Reinforced)

01771 NUTS - Flange  
 01780 NUTS - Gang Nut Assembly  
 01785 NUTS - Handle  
 01791 NUTS - Heavy Hex Structural  
 01815 NUTS - Hex  
 01859 NUTS - Hex Jam  
 01892 NUTS - Hex Slotted & Castle  
 01903 NUTS - High  
 01915 NUTS - High Temperature  
 01936 NUTS - Hydraulic  
 01947 NUTS - Internal Wrenching  
 01950 NUTS - JIS  
 01952 NUTS - KEPS, Nut/Lockwasher Assembly  
 01970 NUTS - Machine Bolt  
 02013 NUTS - Machine Screw Hexagon  
 02030 NUTS - Machine Screw Square  
 02057 NUTS - Metric Thread  
 02064 NUTS - Miniature  
 02068 NUTS - Nonferrous  
 02071 NUTS - Non-Metallic  
 02078 NUTS - Nut, Washer Assemblies  
 02090 NUTS - Pierce  
 02093 NUTS - Plastic  
 02095 NUTS - Plate  
 02105 NUTS - Press  
 02110 NUTS - Push On  
 02134 NUTS - Rivet  
 02140 NUTS - Rod Coupling  
 02148 NUTS - Sealing  
 02160 NUTS - Self-Aligning  
 02169 NUTS - Self-Clinching  
 02178 NUTS - Self-Locking, All Metal  
 02211 NUTS - Self-Locking, Free Spinning  
 02255 NUTS - Self-Locking, Insert Type  
 02258 NUTS - Self-Piercing, Clinch  
 02259 NUTS - Self-Sealing  
 02261 NUTS - Self-Threading  
 02264 NUTS - Slotted  
 02268 NUTS - Snap In  
 02273 NUTS - Spanner  
 02275 NUTS - Spline Drive  
 02277 NUTS - Square (Regular)  
 02279 NUTS - Stainless  
 02280 NUTS - T  
 02281 NUTS - Tamperproof  
 02294 NUTS - Tee Terminal  
 02302 NUTS - Tensile Strength  
 02307 NUTS - Thumb  
 02315 NUTS - Torque Indicating  
 02319 NUTS - 12 Point Flange  
 02320 NUTS - 12 Point Flange Locking  
 02322 NUTS - Washer Assemblies  
 02332 NUTS - Weld  
 02340 NUTS - Wheel  
 02376 NUTS - Wing  
 02378 NUTS - Wing, Low Profile  
 02379 NUTS - Wing, Low Washer Base  
 02380 NUTS - Wing With Nylon Inserts  
 02381 NUTS - Wing With Washer Base  
 02383 NUTS - Wiring  
 02391 PIN - Alignment  
 02400 PIN - Bed  
 02410 PIN - Clevis  
 02418 PIN - Clips, Hitch  
 02421 PIN - Clips  
 02427 PIN - Cotter  
 02453 PIN - Dowel  
 02470 PIN - Escutcheon

02497 PIN - Grooved	03705 SCREWS - Dowel	04689 WASHERS - Aluminum	40204 CORROSION PROTECTION - Mechanical
02520 PIN - Hardened	03707 SCREWS - Dry Wall	04690 WASHERS - Belleville	40206 CORROSION PROTECTION - Paints/Solid Film
02530 PIN - Hinge	03710 SCREWS - Extreme Temperature	04697 WASHERS - Beveled	40270 DIE MAKING & MAINTENANCE EQUIPMENT
02540 PIN - Knurled	03712 SCREWS - Fiberglass (Reinforced)	04708 WASHERS - Conical	40282 DIES - Bolt & Screw Head Forming
02550 PIN - Load Measuring	03713 SCREWS - Flange, 12 Point	04730 WASHERS - Crinkle	40286 DIES - Carbide, Bolt & Screw Forming Extruding
02560 PIN - Pull Dowel	03725 SCREWS - Gypsum Wall Board	04735 WASHERS - Galvanized	40326 DIES - Carbide Drawing
02574 PIN - Quick Release	03730 SCREWS - Hex	04740 WASHERS - Helical Spring	40327 DIES - Carbide Heading
02618 PIN - Radial Locking	03743 SCREWS - Hex Flange	04743 WASHERS - JIS	40329 DIES - Carbide Nail Tooling
02624 PIN - Spring, Slotted	03748 SCREWS - JIS	04745 WASHERS - Load Measuring	40331 DIES - Carbide, Wire Drawing
02630 PIN - Spring, Spirally Coiled	03751 SCREWS - Lag	04818 WASHERS - Lock, Single & Double Helical Spring	40333 DIES - Casings
02651 PIN - Spring, Spirally Wrapped	03764 SCREWS - Leveling	04863 WASHERS - Lock Toothed	40340 DIES - Cut Off
02653 PIN - Straight, Solid	03771 SCREWS - Load Measuring	04939 WASHERS - Metric	40344 DIES - Cut Off Carbide
02655 PIN - Taper, Plain	03773 SCREWS - Machine	04954 WASHERS - Non-Metallic	40347 DIES - Cut Off Knives
02657 PIN - Taper, Threaded	03775 SCREWS - Metric	04972 WASHERS - Plain/SAE	40355 DIES - Cut Off Steel
02658 PIN - Tension bushing	03779 SCREWS - Miniature	05016 WASHERS - Sealing	40360 DIES - Diamond
02659 PIN - Weld	03780 SCREWS - Multiple Lead	05020 WASHERS - Self-Locking	40365 DIES - Extrusion Pins
02661 QUICK OPERATING - Catches & Latches (Automatic Closing)	03781 SCREWS - Nonferrous	05049 WASHERS - Spring	40370 DIES - Forming Hammers
02663 QUICK OPERATING - Chassis Latches	03782 SCREWS - Particleboard (see Chipboard)	05060 WASHERS - Stainless	40375 DIES - Hammer Pins
02665 QUICK OPERATING - Friction Type	03783 SCREWS - Plastic	05072 WASHERS - Structural	40380 DIES - Kick Out Pins
02667 QUICK OPERATING - Hook Latches	03785 SCREWS - Post/Sex	05075 WASHERS - Tensile Strength	40385 DIES - Punch Holders
02669 QUICK OPERATING - Magnetic	03788 SCREWS - Recess Head, Phillips, Pozidriv, Etc.	05080 WIRE ROPE & FITTINGS	40390 DIES - Punches (All Kinds)
02671 QUICK OPERATING - Partial Turn	03802 SCREWS - Roofing	05200 ZINC DIE CASTING	40403 DIES - Punches, Bolt & Thread Forming
02673 QUICK OPERATING - Push Type	03827 SCREWS - Sealing	<b>Materials, Wire, Rod, Bar &amp; Strip</b>	40447 DIES - Roll Forming
02675 QUICK OPERATING - Remote Operation	03850 SCREWS - Self-Drilling	20000 BAR - Alloy	40480 DIES - Sectional
02677 QUICK OPERATING - Rotary Locking	03860 SCREWS - Self-Locking	20002 BAR - Cold Drawn	40484 DIES - Segmented, Carbide (Hex Forming)
02679 QUICK OPERATING - Sliding Bolt Latches	03894 SCREWS - Self-Piercing	20009 BAR - Hot Rolled, Cold Heading Quality	40489 DIES - Segmented, Steel (Hex Forming)
02681 QUICK OPERATING - Sliding Pawl	03938 SCREWS - Self-Sealing	20020 BAR - Stainless	40493 DIES - Sleeves
02683 QUICK OPERATING - Snap-In Slide	03971 SCREWS - Self-Tapping	20030 ROD - Alloy	40524 DIES - Special Shapes
02685 QUICK OPERATING - Tension Latches	04015 SCREWS - SEMS, Screw/Washer Assembly	20042 ROD - Hot Rolled, Cold Heading Quality	40526 DIES - Specialty Coated
02687 RETAINERS - Cable	04059 SCREWS - Set	20062 ROD - Nonferrous	40535 DIES - Steel, Bolt, and Screw Forming Extruding
02689 RETAINERS - Tube	04092 SCREWS - Shoulder	20072 ROD - Scrapless Nut Quality	40543 DIES - Steel, Nail Tooling
02691 RETAINERS - Wire	04120 SCREWS - Six-Lobe Drive, External & Internal	20075 ROD - Stainless	40545 DIES - Steel, Nut Forming
02695 RETAINING RINGS - Axially Assembled	04136 SCREWS - Socket Head Cap	20086 STEEL - Bearing Speciality	40555 DIES - Swaging
02739 RETAINING RINGS - Circlips	04138 SCREWS - Socket Head Cap, Self-Locking	20120 STRIP - Carbon Steel	40568 DIES - Thread Cutting
02772 RETAINING RINGS - Friction Devices	04139 SCREWS - Spline Drive	20163 STRIP - Non-Ferrous	40578 DIES - Thread & Form Rolling, Circular
02816 RETAINING RINGS - Radially Assembled	04142 SCREWS - Stainless	20207 STRIP - Spring Steel	40591 DIES - Thread Rolling Cylindrical
02831 RETAINING RINGS - Stamped	04170 SCREWS - Tamperproof	20220 STRIP - Stainless Steel	40645 DIES - Thread Rolling Flat
02850 RETAINING RINGS - Wire Formed Retainers	04175 SCREWS - Thread Cutting	20243 WIRE - Aerospace Quality, Titanium, Etc.	40648 DIES - Thread Rolling Segmented Planetary
02888 RIVET NUTS	04213 SCREWS - Thread Forming	20265 WIRE - Alloy Steel, Various Kinds	40649 DIES - Transfer Fingers
02890 RIVETS - Aircraft (AN, MS, NAS)	04257 SCREWS - Thumb	20284 WIRE - Aluminum Cold Heading Quality	40650 DIES - Trimming
02893 RIVETS - Bifurcated, Split	04260 SCREWS - Tipped	20290 WIRE - Annealed	40651 DIES - Trim Punches
02937 RIVETS - Blind	04270 SCREWS - Torque Indicating	20328 WIRE - Brass, Cold Heading Quality	40652 DIES - Upset Hammers
02970 RIVETS - Bolt	04280 SCREWS - Twelve Point	20361 WIRE - Cold Heading Quality, Carbon Steel C-1008	40657 FEED ROLLS
02990 RIVETS - Brake Shoe & Clutch	04285 SCREWS - Vented	20405 WIRE - Cold Heading Quality, Carbon Steel C-1010	40659 FINISHES - Organic
03014 RIVETS - Compression	04290 SCREWS - Weld	20449 WIRE - Cold Heading Quality, Carbon Steel C-1018	40900 HEAD PAINTING
03058 RIVETS - Drive	04334 SCREWS - Wing	20473 WIRE - Cold Heading Quality, Carbon Steel C-1038	41010 HEAT TREATMENT
03135 RIVETS - Hollow Core	04378 SCREWS - Wood, Single Thread	20526 WIRE - Copper, Cold Heading Quality	41015 HEAT TREATMENT - Quench Media
03179 RIVETS - Insulated	04411 SCREWS - Wood, Twin Thread	20560 WIRE - Redrawn	41020 INKS
03256 RIVETS - Lockbolt	04412 SHIMS & SHIM STOCK	20603 WIRE - Semi-Finished, Cold Heading Quality	41020 INKS
03270 RIVETS - Metric	04413 SPACERS - Metal	20605 WIRE - Silicon Bronze, Cold Heading Quality	41041 LUBRICANTS - Cold Heading
03334 RIVETS - Petal Type	04416 SPACERS - Phenolic	20610 WIRE - Stainless Steel	41045 LUBRICANTS-Dry Film
03347 RIVETS - Plastic Molded	04420 SPACERS - Plastic	<b>Manufacturing/Distribution Supplies &amp; Service</b>	41051 LUBRICANTS - Hot Heading
03358 RIVETS - Push In	04425 STANDOFFS - Metal	40001 ABRASIVES	41085 LUBRICANTS - In-Line Wire Drawing
03370 RIVETS - Sealing	04426 STANDOFFS - Phenolic	40008 ADHESIVES - Double Coated	41120 PACKAGING - Bagging of Fasteners
03377 RIVETS - Self-Piercing	04427 STANDOFFS - Plastic Molded	40010 ADHESIVES - Thread Locking	41129 PACKAGING - Bags
03420 RIVETS - Self-Sealing	04429 STAPLES	40020 BAR CODING EQUIPMENT	41132 PACKAGING - Bags, Plastic
03454 RIVETS - Semi-Tubular	04444 STAPLES - Customized	40035 CLEANING CHEMICALS	41145 PACKAGING - Bins
03472 RIVETS - Shoulder	04447 STRAIN RELIEFS & FITTINGS	40037 CNC Machining	41206 PACKAGING - Blister Type
03498 RIVETS - Solid	04450 STRUT - Strut Fittings, Springnuts, Pipe & Beam Clamps	40040 COATING SYSTEMS - Tic	41240 PACKAGING - Boxes
03518 RIVETS - Split	04455 STUDS - All Thread	40041 COATING SYSTEMS - Tin	41260 PACKAGING - Cabinets
03531 RIVETS - Tubular	04499 STUDS - Ball	40042 COATING SYSTEMS - Tx-1	41283 PACKAGING - Cartons
03538 ROD ENDS - Spherical	04500 STUDS - Bolt	40043 COATING SYSTEMS - Ion Implantation	41288 PACKAGING - Concepts
03539 ROD - Keystock-Low Carbon	04502 STUDS - Collar	40044 COATING SYSTEMS - Ion Nitriding	41293 PACKAGING - Drawers
03540 ROD - Keystock-Metric	04505 STUDS - Continuous Thread	40045 COATINGS - Fluoropolymer	41298 PACKAGING - Fiberboard
03541 ROD - Keystock-Stainless	04507 STUDS - Double End	40046 COATING SYSTEMS - Salt Bath Nitriding	41310 PACKAGING - Labels
03542 ROD - Threaded	04509 STUDS - Drive	40080 COATINGS - Ion Carburizing	41332 PACKAGING - Poly Bags
03553 ROD - Threaded, Alloy	04511 STUDS - Expansion Base	40084 COATINGS - Nail, Phenolic, & Epoxy Base	41337 PACKAGING - Twist Ties
03562 ROD - Threaded, Metric	04515 STUDS - Load Measuring	40090 COATINGS - Powder Painting	41347 PERSONAL PROTECTION - Hearing Protection
03570 ROD - Threaded, Stainless	04518 STUDS - Metric	40128 COMPOUNDS - Anti-Corrosion	41520 PLATING
03572 ROD - Turnbuckle	04519 STUDS - Molded In	40138 COMPOUNDS - Brazing/Soldering Paste	41695 RACKS - Storage
03573 SCREWS - Acme	04520 STUDS - Nonferrous	40161 COMPOUNDS - Coating, All Types	41705 RUST PREVENTATIVES - Waterborne
03575 SCREWS - Aircraft (AN,MS,NAS)	04521 STUDS - Pressed In	40163 COMPOUNDS - Corrosion Preventative	41715 RUST & SCALE - Removers
03599 SCREWS - Aluminum	04523 STUDS - Pressure Temperature Piping	40166 COMPOUNDS - Diamond Powder	41723 SAFETY EQUIPMENT - Clothing, Gloves, Goggles, Etc.
03605 SCREWS - Bi-Metal Self Drill	04524 STUDS - Projection Weld	40200 CORROSION PROTECTION - Dip Spin	41727 SECONDARY OPERATIONS
03610 SCREWS - Brass	04525 STUDS - Self-Locking	40202 CORROSION PROTECTION - Electroplating	41730 SERVICE - Fastener Inventory Exchange
03619 SCREWS - Cap, Non-Locking	04528 STUDS - Self-Piercing		41740 TAPS - Thread Cutting
03652 SCREWS - Cap, Self-Locking	04532 STUDS - Shank		41760 TESTING - Chemical
03670 SCREWS - Captive	04535 STUDS - Single End		41761 TESTING - Destructive
03696 SCREWS - Chipboard	04548 STUDS - Snap In		41762 TESTING - Dimensional Inspection
03700 SCREWS - Concrete & Masonry	04558 STUDS - Tap End		41763 TESTING - Failure Analysis
03702 SCREWS - Deck	04615 STUDS - Weld		
03703 SCREWS - Decorative	04620 STUDS - Wheel		
	04630 TERMINAL - Connectors		
	04650 TURNBUCKLES		

41764 TESTING - Metallurgical  
 41765 TESTING - Mechanical  
 41766 TESTING - Non Destructive  
 41770 THREAD DESIGN-Patented  
 41780 TOOLING - Bent Shank Tapper Taps  
 41782 TOOLING - Blocks & Holders (Die, Punch, & Cutter)  
 42208 TOOLING - Bolt Stop Holders  
 42210 TOOLING - Casings & Holders  
 42211 TOOLING - Cutters  
 42212 TOOLING - Cutter Holders  
 42213 TOOLING - Cutter Inserts  
 42214 TOOLING - Cut-Off Knives, Carbide  
 42215 TOOLING - Cut-Off Knives, Steel  
 42216 TOOLING - Cut-Off Knives And Fingers  
 42217 TOOLING - Die Cases  
 42218 TOOLING - Dies, Trim  
 42219 TOOLING - Feed Rolls  
 42220 TOOLING - Finger Holders  
 42221 TOOLING - Finger Posts, Non-Rotating  
 42222 TOOLING - Finger Transfer  
 42223 TOOLING - Grips, Transfer  
 42224 TOOLING - Grips, Wedge Lock  
 42226 TOOLING - Heading Punches (Upsetting, Head Forming, Trim)  
 42228 TOOLING - Nib Taps  
 42230 TOOLING - Nut Former Adjusting Blocks  
 42232 TOOLING - Nut Former Assembly Blocks  
 42234 TOOLING - Nut Former Fingers  
 42236 TOOLING - Nut Taps  
 42238 TOOLING - Pins, Hex  
 42239 TOOLING - Pins, Knockout  
 42242 TOOLING - Pins & Punches, Carbide  
 42244 TOOLING - Pins & Punches, Steel (Non-Hobbed Types)  
 42246 TOOLING - Pointer Chuck Jaws  
 42248 TOOLING - Pointer Jaws, Cutters  
 42250 TOOLING - Punches  
 42255 TOOLING - Punches, Six-Lobe/Hexalobular  
 42264 TOOLING - Punches, Phillips, Etc. (Hobbed Types)  
 42265 TOOLING - Rivet Setting  
 42266 TOOLING - Thread Cutting  
 42268 TOOLING - Transfer Fingers, Grips, Holders, Posts  
 43000 TOOLING TREATMENT - Tic/Tin Cvd/Pvd  
 43030 TOOLING TREATMENT - Ion Nitriding  
 43040 TOOLING TREATMENT - Plasma Spray  
 44000 TRAINING-Employee  
 44100 VINYL PLASTISOLS

**Machinery/Equipment/Process Classifications**

60000 AIR CLEANERS  
 60001 AIR POLLUTION - Control Systems  
 60003 APPRAISALS & LIQUIDATIONS  
 60005 AUTOMATIC INSPECTION  
 60027 BARRELS - For Parts Cleaning  
 60038 BOLT HEAD FLASH TRIMMING  
 60049 BOLT MAKING  
 60126 BOLT POINTING  
 60160 BOLT & SCREW HEAD SLOTTING  
 60180 BOLT, SCREW & PART FORMING  
 60190 BOLT SHANK EXTRUSION  
 60203 BOLT THREADING  
 60247 BOLT TRIMMING  
 60249 CHAMBERS - Environmental  
 60250 CLEANING - Air Blast  
 60251 CLEANING - Chemical  
 60252 CLEANING - Mechanical  
 60270 COATING SYSTEMS  
 60280 COLD FORGING  
 60324 COLD HEADING  
 60368 COLD HEADING - Wire Preheater  
 60370 COMPUTERS - Software  
 60372 COMPUTERS - For Distributors  
 60374 COMPUTERS - For Manufacturers  
 60376 COMPUTERS - Hardware  
 60378 COMPUTERS - Inventory Control  
 60379 COMPUTERS - SPC Data Retention  
 60380 CONTRACT ASSEMBLY  
 60381 CONTROLS - In-Process  
 60382 CONTROLS - Load Monitoring  
 60384 COOLERS - Quench Oil  
 60489 COUNTING - Automatic Electronic  
 60522 COUNTING - Automatic Mechanical  
 60566 CUTTERS  
 60570 CUTTERS - Bolt Wire

60576 CUTTERS - Power  
 60578 DATA ACQUISITION SYSTEM  
 60580 DEBURRING & FINISHING  
 60585 DEGREASING  
 60588 DESCALER - Chemical  
 60590 DESCALER - Mechanical  
 60600 DIE-MAKING AND SERVICING  
 60610 DRILLING & TAPPING MACHINERY  
 60620 DUST COLLECTORS  
 60625 ELECTRICAL CONTROL PANELS  
 60630 EYELET SETTING  
 60632 FABRICATIONS - Small  
 60643 FASTENER - Packaging  
 60690 FEEDERS - Air  
 60764 FEEDERS - Bowls  
 60808 FEEDERS - Custom Design  
 60820 FEEDERS - Parts  
 60841 FEEDERS - Vibrators  
 60860 FEEDERS - Vibratory  
 60880 FLAT WIRE - Straightening & Cutting  
 60885 FLAT WIRE - Wire Flattening  
 60942 FORMING WIRE & STRIP  
 61006 FOUR-SLIDE FORMING  
 61010 FURNACES - Aluminizing  
 61012 FURNACES - Annealing  
 61014 FURNACES - Annealing Accessories  
 61016 FURNACES - Annealing, Gas  
 61018 FURNACES - Annealing, Hardening, Tempering  
 61020 FURNACES - Continuous Annealing  
 61021 FURNACES - Continuous Case Hardening  
 61022 FURNACES - Controlled Atmosphere  
 61024 FURNACES - Electric  
 61025 FURNACES - Gas Fired Rapid Heating  
 61026 FURNACES - Heat Treating  
 61028 FURNACES - Induction  
 61029 FURNACES - Induction Heat Controls  
 61031 FURNACES - Material Handling  
 61032 FURNACES - Mesh Conveyor Belts  
 61033 FURNACES - Spheroidizing  
 61034 FURNACES - Vacuum and Protective Atmosphere  
 61048 GAGES - Screws, Nuts, Bolts, Rivets & Washers  
 61049 GAGES - Six-Lobe/Hexalobular  
 61052 GAGES - Thread  
 61053 GAGES - Variable Reading Thread  
 61055 GALVANIZING  
 61057 GALVANIZING - Mechanical  
 61060 GUIDES - Roller  
 61070 HANDTOOLS - Blind Insert Installation  
 61083 HEAD & SHANK DRILLING  
 61127 HEAD TRIMMING  
 61130 HEAT TREATMENT - Automated Controls  
 61135 HEAT TREATMENT PLANT  
 61160 HOT & WARM FORGING  
 61204 HOT HEADERS  
 61248 IN-LINE WIRE DRAWING  
 61260 INSERTION TYPE - For Headless/Headed Fasteners  
 61265 INSPECTION - Eddy Current  
 61268 INSPECTION - Laser  
 61274 INSPECTION - Optical  
 61275 INSPECTION - Systems  
 61276 INSTRUMENTATION - Impact Test  
 61281 LOCK WASHER  
 61325 MARKING METAL  
 61350 MATERIAL HANDLING - Fasteners & Finished Products  
 61360 MATERIAL HANDLING - Wire, Rod & Bar  
 61369 MATERIALS HANDLING - Systems, Floor  
 61402 MATERIALS HANDLING - Systems, Overhead  
 61412 MEASUREMENT SYSTEM - Coating Thickness  
 61422 MEASURING INSTRUMENTS - Plating & Coating  
 61432 MICROPROCESSORS - In-Process Control  
 61442 MIST & SMOKE ELIMINATORS  
 61446 NAIL & TACKS  
 61480 NAIL - Cleaning & Packing  
 61523 NAIL HEADING  
 61567 NAIL THREADING ROLLS  
 61570 NUT DRILLING  
 61644 NUT FORMING - Cold

61689 NUT FORMING - Hot  
 61721 NUT- Self-Locking Element Assembly, Nylon & Metal  
 61742 NUT SLOTTING  
 61765 NUT SPLITTERS  
 61809 NUT TRIMMING, CHAMFERING, TAPPINGS  
 61810 OVENS - Annealing  
 61812 OVENS - Rod Baking  
 61813 PACKAGING - Form, Fill, and Seal Machines  
 61814 PACKAGING - Systems  
 61815 PACKAGING - Tubular Bagging Machines  
 61817 PASSIVATION  
 61818 PAYOFF EQUIPMENT  
 61820 PINCH POINTING  
 61828 PLATING PLANT  
 61836 PLATING - Rack Accessories  
 61842 PLATING SYSTEMS  
 61864 POINTERS  
 61886 PORTABLE WIRE STRAIGHTENERS  
 61890 PRECIPITATORS - Electrostatic  
 61891 PROCESS CONTROL  
 61892 PROCESS MONITORING  
 61894 PROCESSES - Heat Treatment  
 61902 PROCESSES - Inspection, Quality Control  
 61906 PROCESSES - Plating  
 61910 PROCESSES - Plating Services  
 61914 PROCESSES - Special Machinery  
 61963 PROGRESSIVE HEADERS, MULTISTATION  
 61985 REBUILDING SERVICES  
 62007 REDRAWING WIRE FOR COLD HEADING  
 62040 RIVET MAKING  
 62050 RIVET SETTING  
 62070 ROBOT - Parts Washing  
 62072 ROBOT - Tending Material Handling  
 62074 ROBOT - Tending Metal Forming Operation  
 62076 ROBOT - Tending Metal Working Machine  
 62078 ROBOT - Tending Packaging Operation  
 62080 ROBOT - Tending Palletizing  
 62082 ROBOT - Tending Stacking & Destacking  
 62084 ROBOT - Tending Tool Handling  
 62100 ROD & BAR SHEARS  
 62110 ROD HEADING  
 62130 ROD WELDING  
 62135 SAMPLE PREPARATION  
 62141 SAWS  
 62151 SCALES - Industrial  
 62156 SCREW HEAD SLOTTING  
 62161 SCREW MAKING  
 62181 SCREW & WASHER ASSEMBLY  
 62185 SECONDARY MACHINING  
 62190 SEPARATORS - Alloy  
 62249 SHANK SLOTTING - Nylon Insert  
 62250 SORTING  
 62251 SOUND ENCLOSURES  
 62252 SPECIAL  
 62300 SPLASH & CHIP CONTAINMENT CABINETS  
 62326 STAPLE MAKING  
 62340 STRAIGHTENING & CUT OFF  
 62346 SYSTEMS - Conveyor  
 62348 SYSTEMS - Employee Training  
 62352 SYSTEMS - Environmental Control  
 62354 SYSTEMS - High Frequency Hardening  
 62356 SYSTEMS - Lubricating  
 62358 SYSTEMS - Manufacturing Control & Information  
 62359 SYSTEMS - Small Parts Handling  
 62360 TAPPING  
 62406 TAPPING - Nut  
 62408 TEST EQUIPMENT - Destructive  
 62410 TEST EQUIPMENT - Non-Destructive  
 62412 TESTERS - Bend  
 62414 TESTERS - Dynamic  
 62416 TESTERS - Fatigue  
 62418 TESTERS - Flaws in Metal  
 62420 TESTERS - Hardness  
 62421 TESTERS - Material  
 62422 TESTERS - Tensile  
 62424 TESTERS - Tension

62426 TESTERS - Torque-Tension  
 62428 TESTERS - Upset for Cold Heading Stock  
 62447 THREAD CUTTING  
 62480 THREAD GRINDING  
 62568 THREAD ROLLING  
 62570 TREATMENT - Metal Coating  
 62580 TREATMENT - Surface  
 62601 U BOLT - Machine  
 62689 ULTRASONIC CLEANING  
 62722 USED & RECONDITIONED  
 62742 VENTILATING SYSTEMS/EQUIPMENT  
 62766 VIBRATING DRUM, ELEVATOR, ROTARY  
 62800 WASHERS SPRING  
 62806 WASHING DEGREASING PLANT  
 62810 WELDING - Butt  
 62814 WELDING - Spot  
 62818 WELDING - Stud  
 62847 WIRE HEATER  
 62848 WIRE HOLE DRILLING  
 62849 WIRE STRAIGHTENING  
 62850 WIRE WELDING

**Assembly Equipment/Tools/Supplies**

70000 ASSEMBLY STATIONS  
 70010 ASSEMBLY & TEST SYSTEMS  
 70017 ASSEMBLIES-Washers, Custom Built  
 70020 AUTOMATIC ASSEMBLY  
 70030 AUTOMATIC SCREWDRIVING  
 70040 BENCHES - Assembly  
 70043 BITS - Driver Recess  
 70045 BITS - High Speed Drill  
 70047 BITS - Masonry Drill  
 70050 CABINETS  
 70055 COLLATING MACHINES - Nails & Screws  
 70060 COMPOUNDS - Anti-Seize  
 70070 CONTROLS - Automatic Assembly  
 70080 CONTROLS - Programming  
 70090 CONTROLS - Vibratory Feeder  
 70100 CONVEYOR SYSTEMS  
 70105 CRIMPING TOOLS & FITTINGS  
 70107 DRILL MOTORS  
 70108 EXTRACTOR  
 70110 EYELET SETTING MACHINERY  
 70130 FEEDERS - Belt  
 70140 FEEDERS - Bowl  
 70150 FEEDERS - Drum  
 70160 FEEDERS - Vibratory  
 70162 HAND TOOLS - Blind Insert Installation  
 70166 HAND TOOLS - Inserts  
 70170 HAND TOOLS - Nailing  
 70190 HAND TOOLS - Riveters  
 70200 HAND TOOLS - Screwdrivers, Slotted & Recess Head  
 70201 HAND TOOLS - Screwdrivers, Spline Drive  
 70202 HAND TOOLS - Stapling  
 70205 HAND TOOLS - Testing  
 70210 HAND TOOLS - Wrenches Hexagon  
 70211 HAND TOOLS - Wrenches Spline Drive  
 70220 HAND TOOLS - Wrenches Torque Electronic  
 70230 HAND TOOLS - Wrenches Torque Mechanical  
 70240 HAND TOOLS - Wrenches 12 Point  
 70250 HOPPERS  
 70260 IMPACT WRENCHES  
 70270 LOAD CELLS  
 70280 PARTS STORAGE & RETRIEVAL SYSTEMS  
 70290 PICK & PLACE DEVICES  
 70300 POSITIONERS - Parts  
 70310 POWER TOOLS - Accessories  
 70320 POWER TOOLS - Air Driven  
 70330 POWER TOOLS - Drills/Tappers  
 70340 POWER TOOLS - Electric Driven  
 70350 POWER TOOLS - Grinders  
 70360 POWER TOOLS - Impact  
 70370 POWER TOOLS - Nut Runners, Single & Multiple  
 70380 POWER TOOLS - Percussive  
 70390 POWER TOOLS - Pneumatic Fastening  
 70410 POWER TOOLS - Powder Actuated  
 70420 POWER TOOLS - Riveter Machine,

Single & Multiple Head  
70430 POWER TOOLS - Riveters Portable  
70440 POWER TOOLS - Rotary Hammer  
Drills  
70450 POWER TOOLS - Screwdrivers, Single  
& Multiple  
70467 POWER TOOLS - Tensioners Stud  
70468 POWER TOOLS - Testing  
70470 POWER TOOLS - Torque Control  
Electronic Units  
70480 POWER TOOLS - Wrenches Impact  
70490 PRESSES - For Assembly  
70500 PRESSES - For Crimping  
70510 RETRIEVING TOOLS  
70520 RIVET ASSEMBLY  
70530 RIVETERS - Automatic  
70540 RIVETERS - Bench & Pedestal  
70550 RIVETERS - Compression

70560 RIVETERS - Drill-Type  
70570 RIVETERS - Multiple  
70580 RIVETERS - Orbital/Radial  
70590 RIVETERS - Punch-Type  
70600 RIVETERS - Snap-Type  
70610 RIVETERS - Special  
70620 RIVETING TOOL SETS  
70630 ROBOTS - Industrial  
70640 ROBOTS - Tending Assembly Function  
70650 STAKING, PRESS, EYELETS  
70660 THREAD LUBRICANTS &  
COMPOUNDS  
70670 WORKSTATIONS

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