

I Stamping & Fabricating Products

1A. Sheet/plate, Tube/pipes, Sections & Wires & its formed& fabricated Parts/ components

- 01. Sheet/plate
 - 01 hot/cold rolled coils,
 - 02 hot/cold rolled sheet,
 - 03 hot/cold rolled wide strips,
 - 04 hot/cold rolled narrow strips,
 - 05 plating sheet (strips),
 - 06 coated sheet (strips),
 - 07 electrical sheets (strips),
 - 08 medium plates (strips),
 - 09 thick plates,
 - 10 extra thick plates
- 02. Sections:
 - 01 H-steel,
 - 02 H-bar,
 - 03 U-steel, flat steel,
 - 04 angle steel,
- 03. Wire:
 - 01 engineering wires,
 - 02 building wires,
- 04. Rods and bars:
 - 01 steel rod,
 - 02 square steel,
 - 03 steel flat
- 05. Special steel:
 - 01 aluminum alloy steel,
 - 02 copper alloy steel,
 - 03 titanium alloy steel,
 - 04 magnesium alloy steel
- 06. Tube/pipes
 - 01 seamless steel pipes,
 - 02 welded steel tube/pipes
- 07. Covering parts of car:
 - 01 metal stamping of body,
 - 02 structural parts,
 - 03 medium/small stampings,
 - 04 fixings,
 - 05 metal stamping of electrical equipment/instrument panels
- 08. Metal formed parts of bus and truck:
 - 01 metal stamping of body,
 - 02 chassis,
 - 03 carriage,
 - 04 fixings,
 - 05 metal stamping of electrical equipment/instrument panels
- 09. Metal formed parts of motorcycle:
 - 01 assembly & components of frame,
 - 02 muffler,
 - 03 exhaust pipe,
 - 04 mudguard,
 - 05 chain cover,
- 10. Metal formed parts of agricultural vehicle:
 - 01 body,
 - 02 chassis,
 - 03 carriage,
 - 04 fixings,
 - 05 metal stamping of electrical equipment/instrument panels
- 11. Metal formed parts of electrical equipment:
 - 01 assembly and components of distribution cabinet,
 - 02 control panel,
 - 03 high/lower voltage switch cabinet,

- 04 support,
- 05 connection,
- 06 others,
- 12. Metal formed parts of electronic element:
 - 01 shell,
 - 02 support,
 - 03 circuit board
 - 04 connector
 - 05 others
- 13. Metal formed parts of home appliances:
 - 01 shell,
 - 02 metal structure,
 - 03 support,
 - 04 others
- 14. Metal formed components of computer:
 - 01 metal parts of shell,
 - 02 structures,
 - 03 supports & fixings
 - 04 others
- 15. Metal formed parts of telecommunication:
 - 01 metal parts of shell,
 - 02 structures,
 - 03 circuit board,
 - 04 others
- 16. Metal formed parts of construction, mining and transport machinery:
 - 01 assembly and components of driver cab,
 - 02 chassis,
 - 03 working components etc
 - 04 fixings,
 - 05 others
- 17. Metal formed parts of military:
 - 01 shell,
 - 02 structures,
 - 03 supports & fixings,
 - 04 others
- 18. Metal formed parts of locomotive and vehicle:
 - 01 carriage,
 - 02 braking parts,
 - 03 interior furnishing,
 - 04 tanks,
 - 05 supports & fixings,
 - 06 others
- 19. Metal formed parts of daily necessities:
 - 01 metal stamping,
 - 02 sheet metal parts,
 - 03 structural parts,
 - 04 others
- 20. Metal formed parts of hardware:
 - 01 metal stampings,
 - 02 sheet metal parts,
 - 03 others
- 21. Metal formed parts of furniture:
 - 01 metal parts of shell,
 - 02 structures,
 - 03 supports & fixings,
 - 04 others
- 22. Metal formed parts of kitchen furniture:
 - 01 structures,
 - 02 metal stampings,

- 03 sheet metal parts,
- 04 supports & fixings,
- 05 others
- 23. Metal formed parts of fastener:
 - 01 stamping,
 - 02 drawing and bending,
 - 03 sheet metal parts,
 - 04 structural parts,
 - 05 others
- 24. Metal formed parts of building material:
 - 01 metal structures,
 - 02 door/panels,
 - 03 stampings,
 - 04 standard components,
 - 05 others
- 25. Metal formed parts of aerospace:
 - 01 metal structures,
 - 02 metal parts of shell,
 - 03 interior furnishing,
 - 04 connections,
 - 05 others
- 26. Metal formed parts of light industrial machinery:
 - 01 metal parts of shell,
 - 02 metal structures,
 - 03 supports & fixings;
 - 04 tanks,
 - 05 others
- 27. Metal formed parts of textile machinery:
 - 01 metal parts of shell,
 - 02 metal structures,
 - 03 supports & fixings;
 - 04 tanks,
 - 05 others
- 28. Metal formed parts of packaging machinery:
 - 01 metal parts of shell,
 - 02 metal structures,
 - 03 supports & fixings;
 - 04 tanks,
 - 05 others
- 29. Metal formed parts of printing machinery:
 - 01 metal parts of shell,
 - 02 metal structures,
 - 03 supports & fixings;
 - 04 tanks,
 - 05 others
- 30. Metal formed parts of food machinery:
 - 01 metal parts of shell,
 - 02 metal structures,
 - 03 supports & fixings;
 - 04 tanks,
 - 05 others
- 31. Metal formed parts of medical equipment:
 - 01 metal parts of shell,
 - 02 metal structures,
 - 03 supports & fixings;
 - 04 others
- 32. Metal formed parts of energy sources equipment:
 - 01 metal parts of shell,
 - 02 metal structures,
 - 03 supports & fixings;

- 04 tanks,
- 05 others
- 33. Metal formed parts of machine tools:
 - 01 metal parts of cover piece,
 - 02 others
- 34. Metal formed parts of vessel:
 - 01 metal structures,
 - 02 interior furnishing,
 - 03 supports & fixings,
 - 04 others
- 35. Others:
 - 01 metal stampings,
 - 02 drawing and bending,
 - 03 sheet metal parts,
 - 04 hardwares,
 - 05 others
- 1B. Handling Technology**
 - 01. Coiling/uncoiling equipment, reels
 - 02. Stop systems
 - 03. Pass line control system
 - 04. Feeding/discharging equipment
 - 05. Stacking devices
 - 06. Ejecting devices
 - 07. Workpiece insertion units
 - 08. Feeders
 - 09. Blank feeding units
 - 10. Robots for sheet metal working/handling
 - 11. Transfer facilities
 - 12. Feeding and loading equipment, general
 - 13. Magnetic workpiece fixing devices
 - 14. Vacuum fixing plates
 - 15. Storage of sheet metal parts
 - 16. Storage of coils
 - 17. Storage of blanks
 - 18. Tool handling
 - 19. Assembly technology
- 1C. Separation technology**
 - 01. Strip slitting units/systems
 - 02. Edge trimming equipment
 - 03. Trimming machines (manual/automatic)
 - 04. Fine blanking presses (manual/automatic)
 - 05. Blanking
 - 06. Laser cutting machines
 - 07. Plasma jet cutting machines
 - 08. Cutting to length and slitting machines
 - 09. Flame cutting equipment
 - 10. Slitting lines
 - 11. Cutting-off grinders
 - 12. Section, billet, ingot shears
 - 13. Circle cutting shears
 - 14. Curve cutting shears
 - 15. Slab shears
 - 16. Rotary shears
 - 17. Special shears and cutting machines
 - 18. Guillotine shears
 - 19. Length cutting machines
 - 20. Band sawing machines
 - 21. Circular sawing machines
 - 22. Other sawing machines
 - 23. Cutting machines for hollow shapes
 - 24. Water cutting systems

- 25. Nibbling and notching machines
- 26. Punching presses
- 27. Precision blanking presses
- 28. High performance feed presses (automatic)
- 29. Turret punch presses
- 30. Punching machines
- 31. Turret presses
- 32. Automatic notching machines
- 33. Perforating machines
- 34. Specialized presses for punching/notching/stamping
- 1D. Tube/section cutting & forming**
 - 01. Tube/section cutting and trimming (incl. Punching/stamping)
 - 02. Tube/section forming (incl. Bending and CNC equipment)
 - 03. Tube/section end forming & deburring
 - 04. Tube/section measuring systems
 - 05. Other tube/section working equipment
- 1E. Flexible sheet metal fabricating technology**
 - 01. Trimming and forming machines
 - 02. Sheet metal working centers
 - 03. Bending centers
 - 04. Cutting centers
 - 05. Combined laser cutting/forming machines
 - 06. Feed presses and automatic bending equipment
 - 07. Transfer presses
 - 08. Bending and folding incl. workpiece / tool handling
 - 09. Joining incl. workpiece / tool handling
 - 10. Can making machines
 - 11. Roll forming equipment for special can necks and covers
- 1F. Stamping & forming technology**
 - 01. C-frame presses
 - 02. Straight side presses
 - 03. eccentric presses
 - 04. foot-lever presses
 - 05. hydraulic presses
 - 06. toggle presses
 - 07. crank presses
 - 08. mechanical presses
 - 09. Pneumatic presses
 - 10. Universal hydraulic presses
 - 11. hydraulic forming hammer
 - 12. Specialized presses
 - 13. (flywheel-type) screw presses
 - 14. bench presses
 - 15. die spotting press
 - 16. four column presses
 - 17. double column presses
 - 18. Sheet metal Spinning and flow forming machines
 - 19. Sheet metal forming machines
 - 20. Extrusion hydraulic presses
 - 21. Thread rolling machines
 - 22. Cold extrusion presses
 - 23. Coining presses
 - 24. Knurling machines
 - 25. Tube end forming machines
 - 26. Rollforming machines for hollow components
 - 27. Roll-forming operations, general
 - 28. Corrugating machines for sheet metal
 - 29. Drawing/leveling machines
- 30. Spinning machines
- 31. Stretch wrap forming presses
- 32. Hydraulic drawing presses
- 33. CNC bending presses
- 34. bending/straightening presses
- 35. Sheet metal leveling machines
- 36. Sheet metal bending machines
- 37. Curling machines
- 38. Seaming machines
- 39. Flange forming machines
- 40. press brake
- 41. straightening machines and equipments
- 42. Bending rolls/circular lamination
- 43. Folding machines
- 44. Roll-formers
- 45. Circle forming equipments
- 46. Sheet metal deburring machines
- 47. Plate edge bevellers
- 48. Edge trimming machines
- 49. Stick board cut sloping engine
- 50. Inner high pressure figuration
- 51. Figuration of cold, warm and heat for section working & thick board
- 1G. Machine elements**
 - 01. Drive technology/drive units
 - 02. Turning rolls, turning and tilting tables
 - 03. Flexible machine mountings
 - 04. Cooling agents and systems
 - 05. Light barriers/light curtains
 - 06. Motors, generators and accessories
 - 08. Vibration absorbers
 - 09. Spraying plants and equipment
 - 10. Two-hand trip guards
 - 11. Linear guidance systems
 - 12. Energy supply and guidance systems (cable ducts, hoses, flexible energy conduits)
- 1H. Tool technology for sheet/plate metal working**
 - 01. Knives /shear blades
 - 02. Cutting/punching tools (incl. Transfer tools, perforating tools, grooving tools)
 - 03. Carbide tools
 - 04. Roll-forming tools (leveling, section/thread forming, angled rolling, flow-forming rollers)
 - 05. Spinning/pressing/straightening (incl. Thread forming, flow forming and flow turning tools)
 - 06. Lancing/plunging/burring tools (incl. Die-plates, rollers, flow-turning tools)
 - 07. Forming-by-raising tools, bending-by-bulging tools
 - 08. Stretch-forming/embossing tools
 - 09. Edge coiling tools (rollers for rounding bending, section forming)
 - 10. Folding tools (edging, folding, rounding, creasing, bordering tools)
 - 11. Tools for die-sinking presses/press brakes
 - 12. Stacking/clinching tools
 - 13. Follow-on tool sets
 - 14. Transfer tool sets
 - 15. Other tools
 - 16. Templates
 - 17. Standard pieces, lead direction element.
 - 18. Lubricating equipment
 - 19. Jigs
- 20. Heat treatment of tools/hard coatings
- 21. Clamping systems
- 22. Tool changing systems
- 23. Blanking die
- 24. edge scraping die
- 25. precision blanking die
- 26. bending die
- 27. stretching die
- 28. die material
- 29. mould processing & testing equipments
- 30. welding equipments
- 1I. Surface technology for sheet metal/plate**
 - 01. Chemical surface treatment
 - 02. Electrolytic surface treatment
 - 03. Mechanical surface treatment
 - 04. Surface protection
 - 05. Dip-coating processes
 - 06. Descaling
 - 07. Cleaning appliances, general
 - 08. Washing/degreasing equipment
 - 09. Drying equipment
 - 10. Lubrication (incl. Preparation)
 - 11. Corroding
 - 12. Belt grinding machines, general
 - 13. Grinding machines for vessels
 - 14. Pickling
 - 15. Wide belt grinding machines
 - 16. Brushing machines
 - 17. Eroding
 - 18. Long belt grinding machines
 - 19. Polishing
 - 20. Grinding
 - 21. Grinding machines
 - 22. Shot-blasting
 - 23. Vaporizing
 - 24. Melting
 - 25. Electro-surfacing
 - 26. Electrophoresis
 - 27. Electrostatic powder coating
 - 28. Electrostatic spray systems
 - 29. Hot-dip zinc plating
 - 30. Hot-dip tinning
 - 31. Flame/laser spraying
 - 32. Galvanizing
 - 33. Powder reclamation equipment
 - 34. Sinter coating
 - 35. Diffusing
 - 36. Diffusion annealing
 - 37. Hardening
 - 38. Consolidating
- 1J. Process control and quality assurance**
 - 01. Components for control devices
 - 02. (CNC) Electric/electronic controlling devices (CNC)
 - 03. Hydraulic controlling devices
 - 04. Mechanical controlling devices
 - 05. Pneumatic controlling devices
 - 06. Other controlling/regulating devices
 - 07. Control systems
 - 08. Marking & measuring machines, surface plates
 - 09. Precision measuring instruments
 - 10. Marking, reading, tracking
 - 11. CNC measuring machines, CNC inspection & measuring systems
- 1K. Safety environment protection**
 - 01. Waste gas treatment
 - 02. Extraction/filter device/booths
 - 03. Waste water treatment
 - 04. Body protection
- 05. Noise and vibration protection
- 06. Air treatment/smoke and dust filters
- 07. Planning and consultation services
- 08. Environmental technology
- 09. Accident prevention systems/ devices
- 10. Coolant/lubricant recycling
- 1L. Workshop and warehouse equipment**
 - 01. Factory/warehouse equipment, general
 - 02. Process/running materials, consumables
 - 03. Tube stacking and bunching devices
 - 04. Packaging, strapping band machines and equipment
 - 05. Balances and weighing apparatus
 - 06. Counting devices (electronic, mechanical)
 - 07. Heat/cold protection
 - 08. Containers and accessories
 - 09. Conveyors
 - 10. Gripping devices
 - 11. Lifting platforms
 - 12. Stacking trucks, fork lift trucks
 - 13. Hoists (electric, mechanical)
 - 14. Magnet systems (lifting, transportation, sheet separation)
 - 15. Vacuum lifting/transport appliances
 - 16. Marking machines
 - 17. Drilling machines
 - 18. Machine brushes
 - 19. Brushing tools
 - 20. Deburring/edge chamfering machinery
 - 21. Surface grinding machines
 - 22. Tapping machines
 - 23. Hand held tools (also electric and pneumatic)
 - 24. Machines, devices, general workshop equipment
 - 25. Workshop access, /furnishings
 - 26. Tool and cutter grinding machines
 - 27. Drawing machines and systems
- 1M. Data processing (hard and software)**
 - 01. (CAD/CAM) Integrated solution for sheet metal & section working (CAD/CAM)
 - 02. Integrated design solution (2D/3D)
 - 03. Other CAD/CAM/CIM applications
 - 04. Process simulation
 - 05. Interlacing and development
 - 06. Process control, measuring and guidance systems
 - 07. Other applications in manufacturing
 - 08. Data service and administration (incl. Data conversion, graphics storage and warehouse control, integrated factory solutions)
- 1N. Services, information & communication**
 - 01. Research and development institutes
 - 02. Engineering and consultancy offices
 - 03. Maintenance and refurbishment of machines
 - 04. Associations, institutions
 - 05. Specialist publishing houses
 - 06. Investment financing /leasing

Fill in an example: Laser cutting machines: 1C06

Light barriers/Light curtains: 1G05

II Forging Products

2A. Forgings

- 01. Car, Bus, Truck, Tri-wheel/Low velocity truck:
 - 01 crankshaft
 - 02 connecting rod
 - 03 camshaft
 - 04 front axle
 - 05 semi-axle
 - 06 knuckle
 - 07 gear
 - 08 gear shaft
 - 09 CV joint
 - 10 synchronized gear ring
 - 11 driven shaft
 - 12 claw pole
 - 13 rocker
 - 14 shift fork
 - 15 spindle
 - 16 aluminum alloy wheel hub
 - 17 others
- 02. Motorcycles and bicycles:
 - 01 crank
 - 02 shaft
 - 03 gear
 - 04 foot pedal
 - 05 others
- 03. Tractors, Bulldozers, Rollers, Carry-scrappers, Excavators, Roads machine and other construction machinery vehicle:
 - 01 crank shaft,
 - 02 bucket teeth,
 - 03 shovel teeth,
 - 04 connecting rod,
 - 05 tracked board,
 - 06 rack,
 - 07 driving shaft,
 - 08 gear,
 - 09 camshaft,
 - 10 knuckle,
 - 11 festival track link
 - 12 others
- 04. Lifting and transportation (bridge-type and gantry-type crane, wheel and track crane, forklift, port crane, tower crane, container crane etc):
 - 01 hoist shaft
 - 02 gear ring,
 - 03 seat ring,
 - 04 gear shaft,
 - 05 rack,
 - 06 main cylinder,
 - 07 plunger,
 - 08 walking gear,
 - 09 drive shaft,
 - 10 fork lift,
 - 11 hanging hook,
 - 12 tracked board
 - 13 festival track link
 - 14 others
- 05. Agricultural machinery (tractor, farm machinery, sowing machinery, harvester, agricultural tools)
 - 01 crankshaft,
 - 02 connecting rod,
 - 03 gear shaft,
 - 04 drive shaft,
 - 05 rocker,
 - 06 knuckle,
- 07 truncating gear,
 - 08 plow,
 - 09 sickle,
 - 10 hoe
 - 11 others
- 06. Track vehicles (electric traction locomotives, diesel traction locomotives, passenger train compartment, freight train compartment, urban light rail vehicle subway):
 - 01 crankshaft
 - 02 connecting rod,
 - 03 motor shaft,
 - 04 drive shaft,
 - 05 car shaft,
 - 06 wheel,
 - 07 gear,
 - 08 support block
 - 09 coupler yokes,
 - 10 bolster shaft
 - 11 others
- 07. Mine equipment (various of dug wells machine, excavators, carry scrapers, mine car, lifting equipment, scraper conveyor, belt conveyor, mining coal machinery, crushing and grinding equipment, washing equipment):
 - 01 spindle,
 - 02 drive shaft,
 - 03 gear,
 - 04 gear ring,
 - 05 gear shaft,
 - 06 gear link,
 - 07 rack,
 - 08 seat ring,
 - 09 bucket gear,
 - 10 shovel gear,
 - 11 car shaft,
 - 12 wheel,
 - 13 scraper,
 - 14 eccentric shaft,
 - 15 hollow shaft,
 - 16 steel ball,
 - 17 haulage rope.
 - 18 others
- 08. Smelting equipment (blast furnace, sintering equipment, coking equipment):
 - 01 bell hanger,
 - 02 supporting wheel,
 - 03 gear,
 - 04 gear ring,
 - 05 drive shaft
 - 06 others.
- 09. Steel rolling equipment (blooming mill, board rolling mill, section mill, wire rod mill, tube mill etc):
 - 01 drive shaft,
 - 02 gear shaft,
 - 03 cold roll,
 - 04 hot roll,
 - 05 support roll,
 - 06 vertical roll,
 - 07 rack roll,
 - 08 roll road,
 - 09 intermediate shaft,
 - 10 shaft coupling,
 - 11 universal joint shaft.
- 10. Electricity equipment (thermal power, hydropower, nuclear power, wind power, gas turbine electricity generation):
 - 01 steam turbine,
 - 02 high middle low pressure rotor,
 - 03 impeller,
 - 04 leaf blade,
 - 05 generator main shaft,
 - 06 guard ring,
 - 07 water-turbine engine shaft,
 - 08 mirror board,
 - 09 upper and under ring,
 - 10 reactor pressure shell,
 - 11 components within the reactor,
 - 12 evaporator,
 - 13 stable pressure machine,
 - 14 main-pump body,
 - 15 nozzle belt
 - 16 turbine plate,
 - 17 turbine shaft,
 - 18 spacer,
 - 19 wind-driven generator main shaft,
 - 20 gear,
 - 21 seat ring
 - 22 others
- 11. Petroleum and chemical equipment (drilling, mining, collecting and transporting equipments for petroleum and natural gas, refining equipment, urea, synthetic ammonia, ethylene, chemical fiber, synthetic rubber, coal liquefaction equipment):
 - 01 high-temperature low- pressure cylinder,
 - 02 hydrogenation reaction chamber cylinder body,
 - 03 container head,
 - 04 tube sheet,
 - 05 flange,
 - 06 High pressured valve compressor,
 - 07 crankshaft,
 - 08 connecting rod,
 - 09 drive shaft,
 - 10 gear,
 - 11 drill rod,
 - 12 pumping rod,
 - 13 drill bit,
 - 14 casing pipe,
 - 15 production tree,
 - 16 blowout preventer
 - 17 others
- 12. Aviation, astronautic and astronavigation equipment (passenger plane, transport plane, bomber, fighter, helicopter, missile, rocket, man-made satellite, airship):
 - 01 engine room wing structure
 - 02 landing gear,
 - 03 turbine disk,
 - 04 turbine shaft,
 - 05 leaf blade,
 - 06 engine case,
 - 07 support beam,
 - 08 spacer,
 - 09 propeller hub,
 - 10 supporting link,
 - 11 bundled rocket big ring,
- 12 shell body
 - 13 others
- 13. Military industry (artillery, gun, tank, armored vehicle, bullets and shells):
 - 01 gun tube,
 - 02 gun tail,
 - 03 bolt body,
 - 04 outer tube,
 - 05 barrel,
 - 06 bayonet,
 - 07 crankshaft,
 - 08 connecting rod,
 - 09 gear,
 - 10 drive wheel,
 - 11 Inclined shaft,
 - 12 camshaft,
 - 13 torque shaft,
 - 14 knuckle,
 - 15 festival track link,
 - 16 gun head,
 - 17 artillery warhead,
 - 18 cartridge case
 - 19 bomb shell.
 - 20 others
- 14. Shipbuilding (passenger ship, freighter, battleship):
 - 01 diesel engine crankshaft,
 - 02 connecting rod,
 - 03 advancement shaft,
 - 04 inter-mediate shaft,
 - 05 rudder shaft rudder pole,
 - 06 anchor chain,
 - 07 anchor. Nuclear-powered vessels reference nuclear power forging. Gas turbine naval vessel reference aviation forging.
 - 08 others
- 15. Machine tool, forging and stamping equipment, tools (metal cutting machine tool, mechanical press, hydraulic press, shearing and dropping equipment):
 - 01 drive shaft,
 - 02 gear,
 - 03 gear ring,
 - 04 lead screw,
 - 05 crankshaft,
 - 06 eccentric shaft,
 - 07 gear shaft,
 - 08 crank,
 - 09 connecting rod,
 - 10 slider,
 - 11 column,
 - 12 taut column,
 - 13 work cylinder,
 - 14 plunger,
 - 15 large nut,
 - 16 screw rod,
 - 17 hammer tail,
 - 18 hammer head,
 - 19 anvil seat,
 - 20 die,
 - 21 cutting tools.
 - 22 others

16. General machinery (air blower, pump, valve, air separation equipment, refrigeration machinery, printing machinery, rubber machinery, hydraulic system):
- 01 crankshaft,
 - 02 drive shaft,
 - 03 main shaft,
 - 04 gear shaft,
 - 05 roll,
 - 06 compound roll,
 - 07 hydraulic cylinder,
 - 08 plunger,
 - 09 high and medium pressure valve
 - 10 others
17. Mechanical foundation parts (bearing, die, Powder metallurgy, decelerator and chain link):
- 01 bearing ring,
 - 02 roller,
 - 03 roller pin,
 - 04 ball,
 - 05 hot forging die and cold forging die.
 - 06 Powder metallurgy parts for automobile, motorcycle, refrigerator compressor, household appliances, and farm machinery forgings.
 - 07 others
18. Light industry machinery (sewing machine, bicycle, textile machines, food packing machinery):
- 01 shaft,
 - 02 rocker,
 - 03 fork,
 - 04 shaft
 - 05 eccentric shaft,
 - 06 camshaft,
 - 07 foot pedal.
 - 08 others
19. Hardware forgings:
- 01 work clamp,
 - 02 spanner,
 - 03 hand hammer,
 - 04 pickaxe, axe, woodworking tools, knives, scissors
 - 05 others
20. Medical equipment, pharmaceutical machinery, drugs packaging machinery:
- 01 surgery instruments of surgical and dental,
 - 02 various of pressure vessel,
 - 03 container head,
 - 04 gear,
 - 05 shaft.
 - 06 others
21. Dining supplies:
- 01 knives, forks, spoons
 - 02 others
22. Currency equipment:
- 01 gold coin, silver, commemorative metals, coins.
 - 02 others
- 2B. Forging equipment & auxiliary:**
01. Hot mechanical forging press, press for trimming, punching
 02. Multi-station hot forging press.
 03. Multi-station cold former (ball former, nut & bolt forming)
 04. Friction screw press
 05. Screw press (direct driven, hydraulic or clutch type)
 06. Coining & straightening press, extrusion press
 07. Spinning press
 08. Universal hydraulic press
 09. Hydraulic extrusion press
 10. Hydraulic forming press for powder and plastic parts
 11. Hot former (Multi station)
 12. Automatic screw rolling machine
 13. Screw-hobbling machine
 14. Bending former, automatic spring former
 15. Chamfering machine for bolt
 16. Spring spacer forming
 17. Drawing and pulling machine
 18. Air hammer
 19. Steam air hammer (driven head, hydraulic driven head)
 20. Hydraulic hammer and pneumatic – hydraulic hammer
 21. Counter blow hammer
 22. Upsetter
 23. Wedge rolling machine, multi-station forging machine
 24. Spinning machine, rolling machine
 25. Ring rolling machine, die forging lines
 26. Radial forging machines
 27. Open-die hydraulic forging presses
 28. Hydraulic direct driven presses
 29. Orbital forming presses
 30. Electronic upsetter
 31. cold or warm forging presses
 32. hydroforming presses
 33. Ring rolling machine
 34. others
- 2C. Automation**
- 2D. Consulting Services**
- 2E. Forging tooling & its manufacturing materials and equipment**
01. Profiling milling boring machine
 02. Vertical milling machine
 03. CNC-high speed milling machine
 04. Wiring cutting machine
 05. Pneumatic, electronic grinding tools
 06. Computer tech. & inspection & test machine
 07. Other die-making machines
 08. Die Materials/Die Blocks
 09. EDM, Tool & Die, Machinery Services
 10. Tooling Equipment
 11. Welding & Equipment
- 2F. Forging & heat-treatment furnace & energing saving technolgy**
01. Induction heater, coil repare
 02. Air-control heater for forging and heat-treatment
 03. Coal furnace
 04. Box electronical heating furnace & gas generator
 05. Manipulator for furnace, nozzle pre-heating system
 06. Refactroy
 07. Energy saving technolgy
 08. Electronic Controls
 09. Energy Utilities
 10. Heat Treating
- 2G. Import/Export Services**
- 2H. ISO/QS 9000 Registration & Certification**
- 2I. Machine Repair & Rebuilding**
- 2J. Process Design & CAD CAM**
- 2K. Forging Test & Inspection**
01. Metallograph microscope, electronic scanning microscope, deep hold spying-scope.
 02. Measurement device, records and control screen for furnace temperature, pressure, flow, proportional adjustment; magnetic flaw detector, hardness separator
 03. Ray, X-ray, and isotope fault finder
 04. Painting check machine, super-sonic detector
 05. Material tester and recorder
 06. Size measuring device for hot and cold forgings, and automatic tester and inspection system
 07. Portable optical pyrometers
 08. Hardness testers
 09. Fatigue test and creeping test
 10. Process control and quality control
 11. Control and adjust
 12. Measuring, test and marking machine
 13. Test / measurement / inspecting device and system
 14. Data treat system (hard/soft ware)
- 2L. Forging Auxiliaries**
01. Billet cutter, precision billet shear
 02. Abrasive wheel saw
 03. Electrode cutter
 04. Large section flame cutter
 05. Forging cleaning machine, cleaning cylinder and cabinet
 06. Blast cleaning machine, polishing
 07. equipment of removing inner stress
 08. forging manipulator with or without orbital
 09. tool manipulator
 10. forging machine for loading and unloading
 11. transport equipment
 12. sawing or shearing machine for forging
 13. lubrication and machine
 14. material transportation
 15. heat treatment
 16. forging material
 17. basic system
 18. hydraulic system
- 2M. Raw materials**
01. Ingot: casting ingots, ESR ingots and STS ingots (billets)
 02. Forged Materials: circular steel, square steel
 03. Rolled Materials: circular steels, square steel Materials . species of above mentioned: carbon steel, alloy steel, high temperature alloy steel, diamagnetic steel, stainless steel, titanium, aluminum alloy, copper alloy etc.

Fill in an example:

CNC-hight speed milling machine : 2E03