

Dongguan **Keneng** International Trading Co., Ltd.





Company Profile

Dongguan Keneng International Trading Co.,Ltd, mainly manufacturing fasteners, springs, turned parts, stamped parts, and plastic injection molded products.



Dongguan Keneng International Trading Co., Ltd belongs to Dongguan Keyu Plastic Hardware Co., Ltd. We are one of the most successful precision injection mold manufacturers in China. The company is located in Chang'an District, Dongguan City, Guangdong Province. It occupies 20,000m² of commercial land and has more than 250 employees. The annual output exceeds 100 million RMB. Our company has ISO9001, IATF16949 and Dun & Bradstreet certifications, and has its own patents and trademarks. Its products are exported to Europe, America, Australia, Middle-east and Southeast Asia. It has been established long-term cooperation by Medtronic, Sakura, BBC, Xiaomi, Gree, ZTE, Haier, BYD, YAZAKI, Bossad, LEGO, ASSA ABLOY, ARAMCO. Some business cooperation has been more than 10 years.



Version 2026

Cheri Tsuan



01 | Fastener 紧固件



02 | Spring 弹簧



03 | Stamped Parts 冲压件



Products 产品

05 | Injection Molding Parts 注塑件



04 | Turned Parts 车削件



01

FASTENERS

Our fasteners range covers screws, bolts, nuts, washers and rivets. Screws: tapping, self-drilling, hexagon, triangular-tooth, machine, engineering, plastic-head and automotive types.

Bolts: high-strength, flange, carriage, expansion and special-shaped bolts for heavy-load fastening.

Nuts: hex, lock, flange, cap, wing and welded nuts with anti-loose treatments.

Washers: flat, spring, tooth-lock and sealing washers for pressure distribution, anti-loosening and sealing.

All items can be custom-made per drawings, conforming to international standards from different countries to meet diverse demands.

KENENG

1. Machine Screws

Introduction: Multi-head-style machine screws with fine standard threads, ideal for electronics, cabinets and precision device assembly.

Materials: carbon steel, 304 / 316 stainless steel

Size range: M1.0~M12; length 3mm~100mm (extended lengths customizable on request)

Finishes: zinc plating(white, color, black), RoHS-compliant eco zinc plating,black oxide, nickel plating, Zn-Ni plating,passivation,HDG,zinc flake coating



① Pan Head Phillips



② Pan Head Torx



③ Flat Head Phillips



④ Flat Head Torx



⑤ CSK Head Hex Socket



⑥ Oval Head Screw



⑦ Truss Head Philips



⑧ Wafer Head Phillips



⑨ Wafer Head Hex Socket



⑩ Cup Head Hex Socket



⑪ Cup Head Slot



⑫ Truss Head Slot



⑬ Button Head Hex Socket



⑭ Thin Head Hex Socket



⑮ Thin Head Philips

2. Self Tapping Screws

Materials: Carbon steel, 304/316 stainless steel, brass

Size range: M1.2–M14; Length: 3mm–120mm, extended sizes customizable upon request

Head styles: Pan/ Flat countersunk/ Truss/ Hex washer flange/ Cup hex socket/ Hex

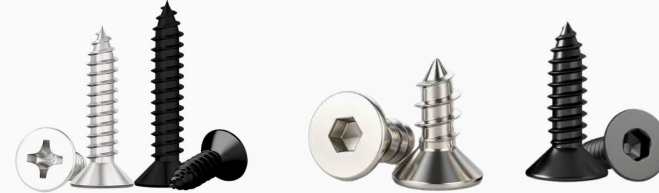
Tip & thread types: Sharp pointed tip, thread-cutting tipped end, high-low differential thread structure

Drive styles: Phillips / Torx / Square / Hex

Finishes: Zinc plating (white, colored, black), RoHS eco-friendly zinc plating, black oxide, nickel plating, zinc-nickel plating, passivation, hot-dip galvanizing, zinc flake coating



① Pan Head Tapping Screw



② Flat Head Tapping Screw



③ Wood Screw



④ Hex Washer Head Tapping Screw



⑤ Cup Head Hex Socket Tapping Screw



⑥ Truss Head Tapping Screw



⑦ Thread Cutting Screw



⑧ High Low Thread Screw



3. Self Drilling & Roofing Screws

Material: Carbon Steel / Stainless Steel

Drive: Phillips / Torx / Square / Hex

Point: #1 / #2 / #3 / #4 / #5 Drill Point

Finish: Zinc Plated / Zinc Nickel / Ruspert / Dacromet / Black Oxide/Geomet



CSK Head Phillips Self Drilling Screw



Pan Head Phillips Self Drilling Screw



Modified Truss Head Self Drilling Screw



Black Zinc Plated Pan Head Self Drilling



Hex Washer Head Self Drilling Screw with plastic washer



Hex Washer Head Self Drilling Screw With EPDM washer



Hex Washer Head Self Drilling Screw with Bonded Washer



Hex Washer Head Roofing Screw (Colored Head)



Hex Washer Head Roofing Screw (Colored Head&washer)



Nylon Head Self Drilling Screw



Button Head Torx Self Drilling Screw



Customized Head & Drive Options



Nylon Head Self Drilling Screw with plastic washer



Long Shank Self Drilling Screw with Wing



CSK Head Phillips Self Drilling Screw with Wing

4. Combination Screws

Combination screws are pre-assembled with washers (plain washer / spring washer) at factory, saving on-site assembly time.
 Multiple drive types, plating finishes and customized structures are available for electronics, household appliances and equipment fastening.
 Grades: 4.8 / 8.8 / 10.9
 Materials: carbon steel, stainless steel 304/316
 Size Range: M1.6–M16
 Finishes: Zinc plating, color Zinc plating, Nickle plating, black oxide, copper plating, blue patch locking coating



Cross Hex Combination Screw



Cross Hex Large Washer Assembly Screw



Hex Head Triple Combination Screw



Hex Head Self-Tapping Combo Screw



Cross Pan Head Combination Screw



Torx Lock-Patch Combination Screw



Large Flat Washer Cross Combo Screw



Pan Head Cross Screw with Serrated Lock Washer



Copper plating Pan Head Cross Screw with Serrated Lock Washer



Socket Cap Head Screw W Large Washer



Socket Cap Head Combination Screw



Square Gasket Hex Combination Screw



Spring Assembly Screw

5.Special Screws

PEEK Screw&Nut

- Material: PEEK (Polyether Ether Ketone)
 Surface Finish: Natural / Unfilled (Beige Original Color)
 Size Range: M1.6 ~ M20 , length 3~100mm
- Continuous service temperature up to 250°C
 - Short-term heat resistance up to 300°C
 - Excellent resistance to chemicals, acids, and hydrocarbons
 - Outstanding wear and fatigue resistance
 - Superior electrical insulation properties



Nylon Screw&Nut

- Material: PA66+GF
 Surface Finish: Natural(White) / Black
 Size Range: M2 ~M10 , length 3~100mm
 Operating temperature range: -40 °C ~ +120 °C
 (continuous service for PA66)
- Excellent electrical insulation, non-conductive for electronic assemblies.
 - Outstanding corrosion resistance, no rust under humid or chemical environment.
 - Light weight compared to metal fasteners, reduces overall component weight.
 - Good vibration, damping performance, absorbs shock to avoid loosening risk.
 - Non-magnetic, suitable for devices sensitive to magnetic interference



5.Special Screws

CNC Screw



Shoulder Screw



Set Screw



Reverse Thread Screw (left hand)



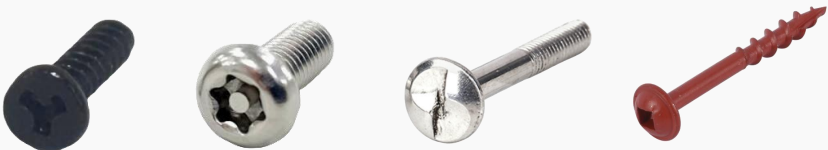
Vent-Hole Screw



Captive Screw



Security Screw



Double End Screw



Thumb screw



Nyloc Screw



6.Customized Screws

Custom-manufactured according to customer drawings & samples. Diverse special head shapes, stepped shanks, knurled sections are available to match unique assembly structures of machinery, auto parts and special equipment.

Grades: 8.8 / 10.9 / 12.9

Materials: carbon steel, alloy steel, brass, copper, Alumium,stainless steel(304/316), Duplex Stainless Steel (2205/2507)

Size Range: Custom dimension upon request

Finishes: black oxide, zinc plating, color zinc plating, nickel plating, Zn-Ni plating,gold plating, Geomet, Dacromet, Ruspet



Hexagon Special Step Bolt



Double end Reduced-diameter Stud



Blue Zn-Ni Plated Flange Step Lock Screw



Countersunk Hex Socket Shoulder Bolt



Triangle Head Flange Custom Step Screw, stainless steel



Slotted Large Flat Head Shoulder Pin Screw, Ni plated



Slotted Shoulder Male-Female Adapter Screw



Black Zn plated Shoulder Screw



Oval Head Deep Torx Recess Screw



Multi-Step Shoulder Locating Pin Bolt



Square Head Non-standard Screw A2-70 Stainless steel



Anti-Slip Knurled Boss Hand-Tight Shoulder Screw



Customs Hex Socket Step Bolt SUS316



Male-Female Dome head Screw Carbon steel, Ruspet



Gold-plated Extended Step Bolt



T-Slot Special-shaped Bolt Stainless steel



Ball Head Hinge Bolt Carbon steel, blue-white Zn plated



Nylon Patch Ball Head Lock Bolt Stainless steel

7.Bolts

Hex Bolt

Grades: 4.8/8.8/10.9/12.9
Materials: carbon steel, stainless steel (304/316)
Size range: M3-M64
Finishes: zinc plating, black oxide, HDG, Geomet, Dacromet, Xylan / PTFE coating



High-Strength Structural Bolts

Grades: 8.8S, 10.9S
Materials: Alloy steel (20MnTiB, 45# steel)
Size range: M12-M36
Finishes: Black oxide, phosphating & saponification



Torsion-Shear Bolt

Grades: 10.9S
Materials: Alloy steel (20MnTiB)
Size range: M16-M30
Finishes: Black oxide, phosphating & saponification



Flange Bolt

Grades: 4.8/8.8/10.9/12.9
Materials: carbon steel, stainless steel (304/316)
Size range: M3-M48
Finishes: zinc plating, black oxide, HDG, Geomet, Dacromet, Xylan / PTFE coating



Extended Bolt

Grades: 8.8 / 10.9 / 12.9
Materials: carbon steel, 304/316 stainless steel, alloy steel
Size range: M8-M64, length up to 500mm
Finishes: zinc plating, hot-dip galvanizing, zinc flake, black oxide



Stud Bolt/Threaded Rod

Grades: 4.8, 8.8, 10.9, 12.9
Materials: Carbon steel, alloy steel, stainless steel (304, 316)
Size range: M6-M100
Finishes: Zinc plating, HDG, Black oxide, Xylan / PTFE coating



Carriage Bolt

Grades: 4.8/8.8
Materials: carbon steel, stainless steel (304/316)
Size range: M6-M24
Finishes: hot dip galvanizing, Zinc plating, black oxide



U-Bolt

Grades: 4.8, 8.8
Materials: Carbon steel, stainless steel (304, 316)
Size range: M6-M42
Finishes: Zinc plating, HDG, Black oxide, Dacromet



Wing Bolt

Grades: 4.8/8.8/A2-70/A4-80
Materials: carbon steel, stainless steel (304/316)
Size range: M3-M24
Finishes: passivation, zinc plating, black oxide, Dacromet



Eye Bolt

Grades: 4.8/8.8/A2-70
Materials: carbon steel, stainless steel (304/316)
Size range: M6-M48
Finishes: electro galvanizing, HDG, passivation



Expansion Anchor Bolt

Grades: 4.8, 8.8
Materials: Carbon steel, stainless steel (304, 316)
Size range: M6-M24
Finishes: Zinc plating, HDG, Dacromet



Anchor Bolt / Foundation Bolt

Grades: 4.8/8.8
Materials: carbon steel, stainless steel (304/316)
Size range: M10-M72
Finishes: zinc plating, HDG, Dacromet



8.Non-Standard Bolts

① 12-Point Flange Bolts

Grades: 8.8 / 10.9 / 12.9

Materials: alloy steel, stainless steel, duplex stainless steel, Titanium, Aluminum alloy

Size Range: custom dimensions per drawing

Finishes: black oxidation, passivation, zinc plating

Mainly used in heavy-duty equipment, automobile powertrains, hydraulic machinery and aerospace parts.



② Fish Bolt (Fishtail Bolt / Rail Joint Bolt)

Grades: 4.6 / 5.6 / 8.8 / 10.9/12.9

Materials: Q235 carbon steel, 45# steel, 40Cr alloy steel, 304/316 stainless steel for corrosive scenarios

Surface Finishes: black oxide, electric galvanizing, hot-dip galvanizing, dacromet coating, anti-rust oil

Applicable Standards: GB, DIN, ISO, ASTM, BS, JIS

Mainly applied in main railway lines, urban rail transit, mine transportation rails, freight yard tracks and rail maintenance projects.



③ Other Rail Bolts

Grades: 4.6 / 5.6 / 8.8 / 10.9/12.9

Materials: Q235 carbon steel, 45# steel, 40Cr alloy steel, 304/316 stainless steel for corrosive scenarios

Surface Finishes: black oxide, electric galvanizing, hot-dip galvanizing, dacromet coating, anti-rust oil

Mainly applied in main railway lines, urban rail transit, mine transportation rails, freight yard tracks and rail maintenance projects.



④ Custom bolts

Materials: 45#, 40Cr, Q235, SS304/316, 7075 aluminum alloy; Titanium

Finishes: black oxide, electro galvanizing, hot-dip galvanizing, dacromet, color zinc passivation, anodizing;

Size range: M6~M48 in diameter, 15~500mm in length.



⑤ Custom Double-end bolts

Materials: SS304/316, 45# carbon steel, 40Cr alloy steel;

Finishes: polishing, black oxide, color zinc plating, dacromet;

Size range: M8~M36 diameter, total length 30~350mm.



⑥ Other special-head bolts

Materials: 45# carbon steel, 40Cr alloy steel, Q235, SS304/316;

Finishes: black oxide, phosphating, electro galvanizing, dacromet, hot-dip galvanizing;

Size range: M12~M48 diameter, 40~600mm length.



9.Nuts

①Hex Nut

Material: Carbon Steel, SUS304, SUS316, Brass/Copper, Aluminum, Nylon
 Strength Grade: Grade 4/6/8/10/12; A2-50, A2-70, A4-70
 Finish: Black Oxide, Blue-white Zinc Plating, Color Zinc Plating, Hot-dip Galvanizing, Dacromet
 Size Range: M2~M64, #4-40 ~2" (UNC / UNF)



②Hex Thin Nut

Material: Carbon Steel, SUS304, SUS316, Brass/Copper
 Strength Grade: Grade 4, 5; A2-50
 Finish: Zinc Plating, Black Oxide
 Size Range: M3~M48, #6-32 ~ 1-1/2" (UNC / UNF)



③Hex Heavy Nut

Increased thickness for higher load capacity, suitable for heavy-duty and vibration conditions.
 Material: Carbon Steel, Alloy Steel
 Strength Grade: Grade 8, 10, 12
 Finish: Hot-dip Galvanizing, Dacromet, Black Oxide, Xylan/PTFE
 Size Range: M6~M72, 1/4" ~4" (UNC / UNF)



④Flange Nut

Integrated flange face to enlarge bearing area, anti-loosening, no separate washer needed.
 Material: Carbon Steel, SUS304, Brass/Copper
 Strength Grade: Grade 8, 10; A2-70
 Finish: Color Zinc Plating, Black Zinc Plating, Dacromet
 Size Range: M4~M20, #6 ~ 3/4" (UNC / UNF)



⑤All-Metal Lock Nut

Distorted thread design, self-locking by thread interference, good for vibration environment, no spring washer required.
 Material: Carbon Steel, SUS304
 Strength Grade: Grade 8, 10
 Surface Finish: Zinc Plating, Dacromet
 Size Range: M3~M24, #6-32 ~ 1-1/4" (UNC / UNF)



⑥Nylon Insert Lock Nut

With nylon ring for friction locking, anti-loosening, not for high temperature service.
 Material: Carbon Steel, SUS304, SUS316
 Strength Grade: Grade 6, 8; A2-70, A4-70
 Finish: Blue-white Zinc Plating, Color Zinc Plating, Black Zn plated
 Size Range: M3~M36, #4-40 ~ 1-1/4" (UNC / UNF)



⑦Cap Nut/Dome Nut

With dome cap to cover bolt end, for protection & decoration purpose.
 Material: Carbon Steel, SUS304, SUS316, Brass/Copper, Nylon
 Strength Grade: Grade 4~6, A2-70, A4-70
 Finish: Zinc Plating, Chrome Plating, Nickel Plating
 Size Range: M4~M20, #6-32 ~ 3/4" (UNC / UNF)



⑧Weld Nut

Spot-welded onto sheet metal, no tapping required, widely used for chassis & cabinet.
 Material: Low Carbon Steel, SUS304
 Strength Grade: Grade 4~6
 Finish: Natural, Zinc Plating
 Size Range: M3~M16, #6-32 ~ 1/2" (UNC / UNF)



9.Nuts

⑨ Round Nut

Material: Carbon Steel, 45# Steel, SUS304, SUS316
 Finish: Black Oxide, Zinc Plating
 Strength Grade: Material-based
 Size Range: M10×1~M200×3, 3/8"-16 ~ 4"-4½ (UN / UNF) large sizes are custom-made upon request.



Round Coupling Nut / Cylindrical Thread Insert



Slotted Round Nut



Knurled Round Hand Nut



Slotted Round Nut



⑪ T-Nut

Used in T-slot, sliding inside aluminum profile grooves for equipment frames.
 Material: Carbon Steel, SUS304
 Strength Grade: Grade 4-10
 Finish: Zinc Plating, Black Oxide
 Size Range: M4-M12, #6-32 ~ 1/2" (UNC / UNF)



⑬ Kep Nut

Material: Carbon Steel, SUS304
 Strength Grade: Grade 4, 8; A2-70
 Surface Finish: Zinc Plating, Black Zinc Plating, Bare Finish
 Size Range: M3-M12, #4-40 ~ 1/2" (UNC / UNF)



⑮ Hex Coupling Nut (DIN6334)

Material: Carbon Steel, SUS304, SUS316
 Strength Grade: Grade 4/8; A2-70, A4-70
 Surface Finish: Zinc Plating, Black Oxide, Natural
 Size Range: M3-M36, #10- 32 ~ 2" (UNC / UNF), length 5~100mm



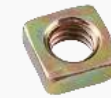
⑩ Wing Nut

Hand-tightened without tools, for frequent disassembly & assembly.
 Material: Carbon Steel, SUS304, Zinc Alloy
 Strength Grade: Grade 4
 Finish: Zinc Plating
 Size Range: M3- M16, #6-32 ~ 5/8" (UNC / UNF)



⑫ Square Nut

Square profile, locked in square slot to prevent nut rotation.
 Material: Carbon Steel
 Strength Grade: Grade 4-6
 Surface Finish: Zinc Plating, Black Oxide
 Size Range: M3-M16, #6-32 ~ 5/8" (UNC / UNF)



⑭ Cage Nut (clip nut / rack nut)

Square nut captured inside spring-steel cage. Snaps into panel square holes widely used for server cabinets and equipment racks.
 Material: Carbon Steel, SUS304
 Strength Grade: Grade 4-6; A2-70
 Finish: Zinc Plating, Yellow Zinc Plating, Nickel Plating
 Size Range: M4- M10, #10- 32 ~ 3/8" (UNC / UNF)



⑯ Castle Nut

Material: Carbon Steel, SUS304
 Strength Grade: Grade 4/8/10; A2-70
 Finish: Zinc Plating, Yellow Zinc Plating, Black Oxide
 Size Range: M6-M64, #1/4-20 ~ 1-1/4" (UNC / UNF)



9.Nuts

⑰ Eye Nut

Integrated circular ring structure for connecting steel ropes, chains and shackles, designed for hoisting, lifting and tension fixing of equipment. Strict load-bearing testing for safety.
Material: Carbon Steel, SUS304, Alloy Steel
Strength Grade: Material- based



⑱ Four Claw Nut

Mainly applied in furniture manufacturing.
Material: Carbon Steel, Zinc Alloy
Strength Grade: Grade 4
Surface Finish: Nickel Plating, Zinc Plating, Black Oxide
Size Range: M3- M12, #6-32 ~ 1/2" (UNC / UNF)



⑲ Self-Locking Counter Nut

(GB805 / DIN7967 Lock Nut)
Material: Carbon Steel
Strength Grade: Grade 4.8~10.9
Finish: Black Oxide, Zinc plated
Size Range: M6~M56, 1/4"~2" (UNC/UNF)
Application: Automobile chassis, engineering machinery, high-temperature equipment



⑳ Acorn Wheel Nut

Material: Carbon Steel Strength Grade: Grade 8 / Grade 10 Surface Finish: Color Zinc Plating (Yellow Zinc Plating)
Size Range: M12~M24, 7/16" ~ 1" (UNC/UNF) Application: Car, trailer, agricultural machinery wheel fixing



㉑ Brass Knurled Insert Nut

Material: H59 / H62 Brass
Strength Grade: Material based
Finish: Raw brass finish (no extra plating)
Size Range: M2~M10, #4~40 ~ 3/8" (UNC/UNF)
Application: Plastic shells, electronic housings, automotive plastic parts, consumer electronics



㉒ Rivet Nut (Blind Rivet Nut)

Material: Carbon Steel, SUS304, Al Alloy
Strength Grade: Grade 4-8; A2-70 Surface Finish: Zinc Plating, Yellow Zinc Plating,
Size Range: M3~M12, #6-32 ~ 1/2" (UNC/UNF)
Application: Automotive manufacturing, electrical cabinets, aerospace thi-wall structures, metal shell assembly



㉓ Other Nuts/Customs Nuts

Custom-designed non-standard nuts per client drawings, samples or working-condition demands. Support personalized dimensions, special structures, multi-material options and diversified surface treatments for unique assembly scenarios.
Available Materials: Carbon steel, alloy steel, stainless steel (304/316), brass, aluminum alloy
Optional Finishes: Zinc plating, yellow zinc plating, black oxide, nickel plating, hot-dip galvanizing, passivation, anodizing
Customizable Items: Special shape, abnormal thread, tolerance control, anti-loose structure, high-temperature / anti-corrosion design
Size Range: Customized according to customer requirements
Application: Special machinery, new energy equipment, medical instruments, customized automation fixtures, special vehicle projects



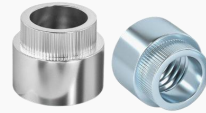
10.Clinch fasteners

① Clinch Nuts

Pressed into a pre-punched hole in sheet metal; the panel material cold-flows into the nut's undercut to lock it in place. Provides a strong internal thread on thin panels without welding.
Material: Carbon steel, stainless steel (304 , 316)
Thread Range: M2-M12; #2-56 ~ 1/2-20 (inch)
Strength Grade: Carbon steel 4.8 / 8.8; Stainless A2-50, A4-50
Surface Finish: Zinc plated (clear/blue), black zinc, nickel plating, passivation (stainless), Xylan coating



S/CLS/SP



Z/ZS



HB/HBS



F/F4

② Clinch Studs

Description: Press-installed into a panel with external threads protruding. Used to mount other components; installed from one side, nut fastened from the opposite side, full external thread for fastening
Material: Carbon steel, stainless steel (304 , 316)
Thread Range: M2-M10; #2-56 ~ 3/8-16 (inch)
Length: 3-50 mm
Strength Grade: Carbon steel 4.8 / 8.8; Stainless A2-50, A4-50
Surface Finish: Clear zinc, black zinc, nickel plating, stainless passivated, Xylan



CS Zn-plated



Stainless steel

③ Clinch Screws

Description: Permanently pressed into a panel with external threads exposed — essentially a screw fixed to the panel by press-fit, not by driving in. ⚠ Not a standard screw; installation is by clinching, not threading.
Material: Carbon steel, 304 stainless steel
Thread Range: M2-M10; #4-40 ~ 5/16-18 (inch)
Length: 4-40 mm
Strength Grade: Carbon steel 4.8 / 8.8; A2-50
Surface Finish: Zinc plated, black zinc, nickel plating, stainless passivated



CS Zn-plated



Stainless steel

④ Clinch Pins

Description: Threadless press-fit locating pin. Used for alignment, positioning, and assembly reference — no threaded connection.
Material: Carbon steel, 304 / 316 stainless steel
Diameter: $\phi 2$ - $\phi 10$ mm
Length: 3-35 mm
Strength Grade: Standard hardness (carbon steel); A2 (stainless)
Surface Finish: Zinc plated, black oxide, stainless passivated, Nickel plated



CS Zn-plated



CS Ni-plated



Stainless steel

⑤ Clinch Standoff / Spacer

Internal hollow thread for spacing support
Material: Carbon steel, 304 stainless steel, Aluminium alloy
Thread Range: M2-M8; #2-56 ~ 1/4"-20
Spacer Height: 3-30 mm
Strength Grade: Carbon steel 4.8; A2-50
Surface Finish: Zinc plated, black zinc, nickel plating, passivated



Through-Hole Standoffs



Closed-End Blind Standoffs

11.Washers

① Plain Washer (Flat Washer)

Material: Carbon Steel, SUS304, SUS316, Brass/Copper, Aluminum, Spring steel
Finish: Zinc Plating, Yellow Zinc Plating, Black Oxide, Passivation, Anodized
Size Range: M2~M64, #4-40 ~ 2" (UNC/UNF)
Application: General machinery, cabinets, steel structure assembly



② Spring Washer (Split Lock Washer)

Material: Carbon Steel, SUS304, SUS316, 65Mn
Finish: Zinc Plating, Yellow Zinc Plating, Black Oxide, Passivation
Size Range: M2-M48, #4-40 ~ 2" (UNC/UNF)
Application: General grade anti-loosening for machinery assemblies



③-A External Tooth Lock Washer

Material: Carbon Steel, SUS304
Finish: Zinc Plating, Passivation
Size Range: M3~M30, 6#-32 ~ 1"



③-B Internal Tooth Lock Washer

Material: Carbon Steel, SUS304
Finish: Zinc Plating, Passivation
Size Range: M2~M30, #4-40 ~ 3/4"



④ Belleville Washer (Disc Spring Washer)

Material: Spring Steel, Alloy Steel, SUS301
Finish: Black Oxide, Phosphate, Zinc Plating
Size Range: M3~M60
Application: High pressure flanges, molds, heavy duty machinery, bolt pre-load compensation



⑤ Fender Washer (Large Flat Washer)

Material: Carbon Steel, SUS304
Finish: Zinc Plating, Yellow Zinc Plating
Size Range: M3~M16
Application: Sheet metal, wood, plastic component assembly



⑥ Composite Washer

Material: Metal-rubber, Stainless steel + EPDM
Finish: Zinc plating, Passivation
Size Range: M5~M24, custom sizes available



⑦ Wave Washer

Material: Carbon Steel, SUS304, 65Mn
Finish: Zinc Plating, Passivation
Size Range: M2~M24
Application: Motors, bearings, small electronic assemblies for gap elimination



⑧ Square Washer

Material: Carbon Steel, SUS304, SUS316
Finish: Zinc Plating, Yellow Zinc Plating, Black Oxide, Passivation
Size Range: M4~ M30, custom sizes available
Application: Channel steel, steel frame, construction brackets, agricultural machinery



⑨ Square Taper Washer

Material: Carbon Steel, SUS304, SUS316
Finish: Zinc Plating, Yellow Zinc Plating, Black Oxide, Passivation
Size Range: M4~M30, custom sizes available



11.Washers

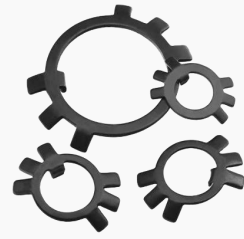
⑩ Tab Washer(Stop Washer)

Available subtypes: multi-tab round lock washer, single/double ear stop washer, tongue lock washer
Material: Carbon Steel, SUS304

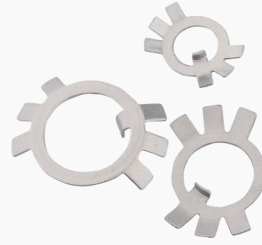
Finish: Zinc Plating, Passivation, Black Oxide

Size Range: M3-M100

Application: Match slotted nuts, lock bolts by bending tabs to prevent rotation under strong vibration, widely used in transmissions, heavy machinery.



Multi-Tab Round Lock Washer



Multi-Tab Round Lock Washer



Single-Ear Stop Washer



Double-Ear Stop Washer



Tongue Lock Washer



External-Teeth Lock

⑪ Spherical & Conical Washer

Available subtypes: spherical flat washer, conical countersunk washer, brass conical washer, sand-blasted spherical aligning washer, split elastic spherical washer

Material: Carbon Steel, SUS304, Brass Finish: Mirror Polishing, Sandblasting, Zinc Plating, Passivation, Black Oxide, Multicolor Electroplating

Size Range: M3-M48

Application: Fit spherical bolts / countersunk screws; compensate assembly angle deviation, evenly distribute fastening pressure.



⑫ Double Stacked SelfLocking Washer

Material: Carbon Steel, SUS304, SUS316

Finish: Zinc Plating, Geomet, Dacromet, Black Oxide
Size Range: M3-M52

Application: Consists of two interlocking washers with cam faces mated together. Under vibration and alternating load, the camangle wedging force increases clamping tension automatically to prevent bolt loosening. Suitable for rail transit, engineering machinery, wind power equipment and automotive powertrain scenarios with strong vibration impact.



⑬ Other Custom Washers

Available subtypes: special-shaped stamping washers, multi-hole flange gaskets, ultra-thin flat shims, irregular locking shims

Material: SUS304, SUS316, brass, carbon steel, beryllium copper

Finish: deburring, passivation, polishing, zinc plating, anodized
Size Range: customized per drawing / sample

Application: Non-standard structural washers produced by punching and laser cutting according to customer drawings.



12.Circlips / Retaining Rings

Available subtypes: external circlip (shaft-type), internal circlip (bore-type), E-clip, spiral retaining ring

Material: Spring Steel(65Mn), SUS304, SUS316, 420SS

Finish: Black Oxide, Zinc Plating, Passivation

Size Range: $\Phi 3 \sim \Phi 300$

Application: Installed in shaft or bore grooves for axial position limiting, prevent components such as bearings and gears from shifting or falling off. Widely used in motors, gearboxes, automotive assemblies and general machinery



External circlip



Internal circlip



E-clip



Spiral Retaining Ring
(C-Type Snap Ring)

13.Hose Clamps

Available subtypes: American worm-drive hose clamp, German-type hose clamp, constant tension hose clamp, V-band clamp

Material: Carbon Steel W1, SUS201, SUS304, SUS316(W4/W5)

Finish: Zinc Plating, Polishing

Size Range: 6mm~330mm clamping range

Application: Fasten and seal rubber hoses, plastic tubes and pipelines; resist vibration, prevent liquid/gas leakage. Applied in automobile, hydraulic system, agricultural machinery and plumbing systems.



American worm-drive hose clamp



American Type Butterfly
Handle Hose Clamp



German-type hose clamp



Heavy Duty European
Hose Clamp



Single-Bolt Heavy
Duty Hose Clamp



V-band clamp

14.Pins

Available subtypes: split pin, cylindrical pin, taper pin, spring-type slotted pin, clevis pin, Dowel Pin

Material: Carbon Steel, SUS304, SUS316

Finish: Zinc Plating, Black Oxide, Passivation

Size Range: $\Phi 1 \sim \Phi 50$

Application: For component positioning, connection and antiloosening locking. Commonly used for assembly hinge connection and nut anti-rotation lock up on machinery.



cylindrical pin



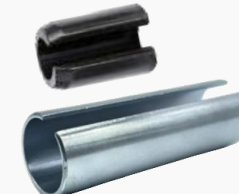
Knurled cylindrical pin



TPS Press-Fit Locating Pin
/Dowel Pin



Clevis Pin/
Shoulder Hinge Pin



Slotted Spring Pin



Split Pin

15.Rivets

①Solid Rivet

Materials: Aluminum, carbon steel, stainless steel, copper, brass

Finishes: Zinc plating, passivation, blackening, natural finish

Size range: Φ 1.5~16 mm in diameter, 3~80 mm length, custom sizes available

Features: High shear strength, vibration-resistant, permanent fastening

Applications: Machinery, rail transit, hardware & electrical assembly



②Hollow Rivet

Categories: Half hollow rivets, full hollow rivets, male-female rivets

Materials: Aluminum, carbon steel, stainless steel, copper, brass

Surface treatment: Zinc plating, passivation, natural finish

Size range: Φ 1.2~10 mm diameter, 2~50 mm length, customizable

Features: Soft riveting force, neat flaring, fit thin workpieces

Applications: Leather goods, electrical terminals, small hardware assembly



③Blind Rivet

Categories: Open-type, sealed-type

Materials: Aluminum, steel, stainless steel,

Finishes: Zinc/Nickle plating, natural finish

Size range: Φ 2.4~6.4 mm diameter, 4~30 mm length, customizable

Applications: Sheet metal cabinets, equipment housings, outdoor enclosures



④Eyelets

Categories: Flat eyelets, flange eyelets

Materials: Aluminum, carbon steel, stainless steel, brass, copper

Surface treatment: Zinc/Nickle plating, passivation, natural

Size range: Inner diameter Φ 1~16 mm, customizable sizes supported

Features: Reinforce perforations, tear-resistant, smooth lacing hole

Applications: Garments, banners, luggage, leather crafts, packaging



02

SPRING

Keneng is the leading provider of a variety of standard and customized springs. Our springs have the ability to meet the demands of various industrial applications and wire diameter we can do ranges from 0.05 to 80mm. We also manufacture all types of compression, tension and torsion springs, square spring, wire bending spring, spring washer, R clips, metal stamping spring.

KENENG

16. Springs

① Compression spring

Materials: Carbon spring steel wire (e.g., 65Mn, 70#), stainless steel wire (e.g., SUS 302/304/316), Alloy spring steel (60Si2Mn, 50CrVa), Inconel (X-750), Monel

Finish: Blackening, electroplating (zinc plating, nickel plating), electrophoretic painting, and powder coating, mainly for rust prevention and aesthetic enhancement.

Wire diameter range: $\varnothing$ 0.1-80mm

Ends type: Squared and ground, squared and not ground, open and ground; open and not ground.



② Tension spring

Materials: Carbon spring steel wire (SWC / 72A / 82B), music wire (SWP-B), stainless steel wire (SUS302/304/316), alloy spring steel (50CrVA / 60Si2Mn), special high-temperature/corrosion-resistant alloys (Inconel / Monel / beryllium copper)

Finish: Blackening, electroplating zinc, electroplating nickel/chromium/tin, Dacromet coating, electrophoresis/baking paint/powder coating, stainless steel passivation/polishing.

Wire diameter range: $\varnothing$ 0.06-10mm

Common hook types: German Hook / Machine Loop
English Loop / Crossover Loop; Side Loop; Extended Hooks



16. Springs

③ Torsion spring

Materials: Carbon spring steel wire (65Mn, 70#), stainless steel wire (SUS 302/304/316). Alloy spring steel (60Si2Mn, 55CrSi), Copper alloys, Inconel (X-750)

Finish: Blackening, electroplating (zinc plating, nickel plating), electrophoretic painting, and powder coating, mainly for rust prevention and aesthetic enhancement.

Wire diameter range: $\varnothing$ 0.1-6.0mm



④ Die spring(Square wire)

Materials: 50CrVA / 55CrSi / SUP10 / SAE6150 / SUS304 / SUS316 / SUS631

Surface treatment: Shot Peening+Electrophoretic Coating

Color:

Yellow: Light load

Blue: Light load

Red: Medium load

Green: Heavy load

Brown/Coffee: Extremely heavy load

Custom color



⑤ Flat Spiral Spring

Materials: 65Mn, 70#, T9A, SWP-B, SUS301, SUS304, SUS316, 50CrVa, 55CrSi

Finish: Blackening, electroplating (zinc plating, nickel plating), electrophoretic painting, and powder coating, mainly for rust prevention and aesthetic enhancement.

Wire diameter range: $\varnothing$ 0.1-6.0mm



16. Springs

⑥Constant Force Spring

Materials: SUS301, 65Mn, T8A-T10A, Inconel alloy

Finish: Shot Peening+Electrophoretic Coating

Material size:

Thickness: 0.05 mm – 1.00 mm

Width: 2.0 mm – 100.0 mm



⑦Disc spring /Belleville Spring

Materials: 50CrVA / 51CrV4, 60Si2Mn, SUS301 / 304/ 316

Finish: Phosphating , Bluing/Blacking, Dacromet, Mechanical Plating

Hardness: 42 HRC - 52 HRC

Specification Standard: GB/T 1972-2005 , DIN 2093

Size: OD 10~250mm

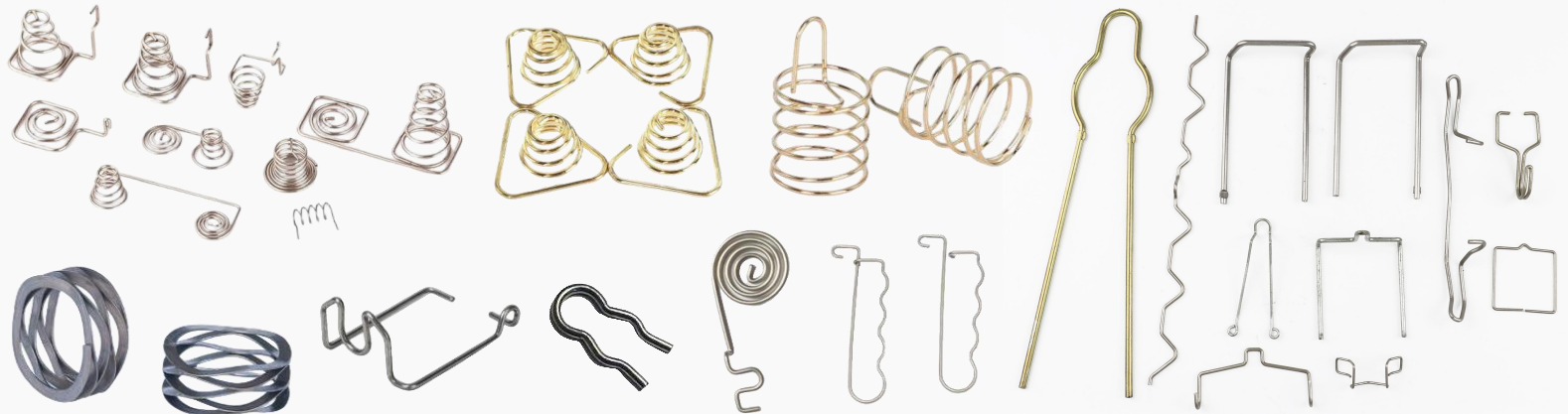


⑧Custom-shaped spring

Materials: Carbon spring steel wire (e.g., 65Mn, 70#), stainless steel wire (e.g., SUS 302/304/316). Alloy spring steel (60Si2Mn, 50CrVa).

Finish: Blackening, electroplating (zinc plating, nickel plating), electrophoretic painting, and powder coating, mainly for rust prevention and aesthetic enhancement.

Wire diameter range: $\varnothing$ 0.05-60mm



03

METAL STAMPED PARTS

Keneng are equipped with a wide range of stamping presses, from **30 tons** to **2000 tons**, complemented by automated feeding systems, enabling us to produce products with thicknesses ranging from **0.05mm** to **10mm**. This enables us to handle everything from small precision parts to large structural components, including **Blanking Parts, Bending Parts, Deep Drawing Parts, Forming Parts**.

The types of **materials** we provide include titanium alloy, nickel, red bronze, beryllium copper, phosphor copper, brass, copper-nickel alloy, stainless steel, aluminum, galvanized plate, electrolytic plate, cold-rolled steel sheet, spring steel, etc.

Depending on the material of the stamped parts, the application scenario (such as indoor/outdoor), performance requirements (such as corrosion resistance level and hardness), and appearance requirements, we can choose a variety of **surface treatment** processes, including zinc plating, nickel plating, chrome plating, gold plating, silver plating, anodizing, passivation, blackening, polishing, shot peening, spraying, electrophoresis, PVD vacuum plating, etc.

1.Blanking Parts

Flat stamping parts processed by sheet metal blanking technology.

Materials available: carbon steel, stainless steel, copper alloy, aluminum alloy and galvanized sheets.

Surface treatments: zinc plating, nickel plating, andozing, passivation, brushing, tin plating and anti-rust oil coating.

Dimension range: thickness 0.1–10.0 mm, customizable outer diameter / contour size per drawings.

Press capacity: produced on 30–2000 ton stamping presses with progressive dies for high consistency.

Typical products include washers, shims, flat gaskets and electrical contacts with minimal threedimensional profiles.



2.Bending Parts

Structural components manufactured via sheet metal bending after blanking.

Materials available: cold rolled steel, stainless steel, brass, aluminum and pre-plated metal sheets.

Surface treatments: powder coating, black oxidation, andozing, silver plating, electrophoretic painting and chrome plating.

Dimension range: sheet thickness 0.2–10.0 mm, multi-angle bending tolerances controlled within ± 0.05 mm.

Press capacity: matched 30-2000 ton stamping & bending equipment, paired with custom bending fixtures.

Main products cover brackets, spring clips, housings and chassis mounting bases with formed angled geometries.



3. Deep Drawing Parts

Materials: stainless steel, cold-rolled steel, aluminum alloy, brass and galvanized steel sheets.

Surface treatments: polishing, passivation, electroplating, electrophoretic coating, anodizing and anti-rust treatment.

Dimension range: blank thickness 0.1–10.0 mm, drawing depth customizable according to drawing requirements.

Equipment capacity: 45–2000 ton hydraulic deep-drawing presses paired with multi-station progressive dies for stable hollow forming. We fabricate 3D hollow components by forcing sheet metal into die cavities. Typical applications include consumer electronic housings, storage containers, automotive shell panels and motor end covers.



4. Forming Parts

Materials available: carbon steel (SPCC, Q235), stainless steel, copper alloy and aluminum sheets of various grades.

Surface treatments: galvanized, powder coating, blackening, anodizing, nickel plating and brushing for corrosion resistance and appearance demands.

Dimension range: sheet thickness 0.5–10 mm, shape tolerance controlled within ± 0.08 mm.

Equipment capacity: 63–2000 ton precision stamping presses to perform flanging, bulging, embossing and composite forming processes.

These customized parts are shaped via diversified forming operations, producing workpieces with reinforcing ribs, dimples, flanges and special curved contours for automotive and industrial assembly scenarios.



04

TURNED PARTS

Professional CNC Turning & Milling Custom Parts Manufacturer. High precision, tight tolerance, full customization, one-stop machining solution for global industrial components.

Keneng specializes in custom CNC turning and composite machining parts for industrial, automotive, medical, electronic and mechanical equipment fields.

All products are fully customized according to customer drawings and samples. Keneng provides complete services including material processing, precision machining, surface treatment, quality inspection and integrated packaging. Strict tolerance control, stable quality and flexible production help clients reduce procurement costs and achieve reliable OEM & ODM supporting.

- Custom OEM & ODM Service
- Multi-material Machining
- Small Batch & Mass Production
- Complex Structure Turning Parts
- Full Inspection & Stable Quality

KENENG

1. Fasteners & Threaded Components

Materials: SUS304/316/316L/420, Carbon Steel C1018/1045, Alloy Steel 4140/4340, Brass C3604, Aluminum 6061-T6/7075, Titanium Gr.2/Gr.5
Size Range: M1.4–M24, length 3–200mm, custom per drawing

Finishes: Passivation, Anodizing, Zinc plating (clear/blue/black/yellow), Nickel plating, Tin/Silver plating, Black oxide, Phosphate, Xylan/PTFE, Powder coating

Tolerance: ± 0.01 mm diameter, ± 0.05 mm length, thread 6H/6g, Ra 1.6–3.2 μ m



2. Shafts & Pins

Materials: SUS304/316/420/440C/17-4PH, Carbon Steel C1018/1045, Alloy Steel 4140/4340, Brass C3604, Aluminum 6061-T6/7075, Titanium Gr.5

Size Range: Diameter 1–60mm, length 5–300mm, custom per drawing

Finishes: Passivation, Anodizing, Zinc/Nickel/Chrome plating, Black oxide, Phosphate, Polishing (brushed/mirror), Cylindrical/Centerless grinding, Xylan coating

Tolerance: Turning ± 0.01 mm, grinding ± 0.005 mm, Ra 0.4–1.6 μ m, concentricity ≤ 0.01 mm



3. Bushes & Sleeves

Materials: SUS304/316/316L/420, Carbon Steel C1018/1045, Alloy Steel 4140, Brass C3604/C2680, Aluminum 6061-T6/7075, Bronze CuSn8, PEEK/PTFE

Size Range: ID 1–50mm, OD 3–60mm, length 2–150mm, custom per drawing

Finishes: Passivation, Anodizing, Zinc/Nickel/Chrome plating, Black oxide, Phosphate, Tin plating, Xylan/PTFE coating, Polishing

Tolerance: ID/OD $\pm 0.01\text{mm}$, length $\pm 0.05\text{mm}$, Ra 0.8–3.2 μm



4. Fittings & Connectors

Materials: SUS304/316/316L, Carbon Steel C1018/1045, Alloy Steel 4140, Brass C3604/C3771, Aluminum 6061-T6

Size Range: Thread M3–M33 / 1/8"–1" NPT/BSP/G, diameter 3–50mm, length 5–200mm, custom per drawing

Finishes: Passivation, Anodizing, Zinc plating (clear/blue/black/yellow), Nickel plating, Tin/Silver plating, Black oxide, Xylan coating, Electropolishing

Tolerance: $\pm 0.01\text{mm}$ diameter, thread 6H/6g, Ra 1.6–3.2 μm



TURNED PARTS



05

INJECTION MOLDING PARTS

Keneng operates a full-service thermoplastic injection molding facility, providing customers with the ability for short-to long-run and low-to high-volume production. We can also help you develop the most efficient mold possible for your product and assist you in making existing molds more cost-effective.

KENENG

INJECTION MOLDING PARTS



EV CHARGER PART



Important Milestones

PARTNERS AND PATENTS

- Designated battery holder for BBC (British Headquarters, the world's largest news broadcaster).
- Obtained for the first patent.

2009

2013

2015

2017

2018

2020

2023

OCCUPY THE MARKET

Keyu series battery holders occupied 50% of the electronics market in China.

COOPERATION & MEDTRONIC

Became the designated supplier of Medtronic with the battery holder. (Medtronic is the world's largest electronic medical device company).

CHARITABLE

Made charitable donations to poor children and became a charitable enterprise.

KENENG

Established Dongguan Keneng International Trading Co., Ltd.

DEVELOPMENT & CERTIFICATE

- Became the largest and most professional battery holder supplier in China's smart lock industry.
- Obtained the ISO9001 certification.



Obtained IATF 16949 certification.

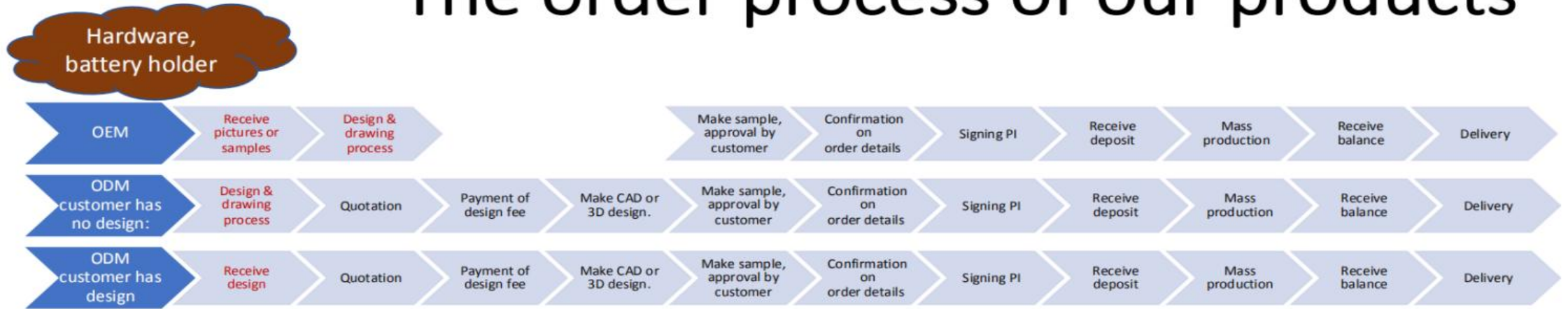
Main Market



MAIN MARKET OF KENENG

Keneng adheres to the concept of honesty, pragmatism and innovation, provides high-quality products and one-stop services for the world, and builds an international and professional brand. Our products are exported to Europe, America, Australia, Middle-east and Southeast Asia. It has been established long-term cooperation by Medtronic, Sakura, BBC, ASSA ABLOY, ARAMCO, Lego, Bossard, GE, Xiaomi, Gree, ZTE, Haier, BYD, and so on.

The order process of our products



Our Advantages:

- ISO9001, IATF16949, SA8000, Dun & Bradstreet, CE, ROHS, REACH.
- More than 20 years manufacture.
- Designated supplier of ASSA ABLOY, BOSSARD, YAZAKI, ARAMCO, Medtronic, BBC.
- Occupied 50% the China electronics market
- The strict quality control system, 99% qualification rate.
- Factory scale: 20000m², 250 employees.
- 20 years of foreign trade experience.
- FAI/SST/PPAP and third-party reports are supported by its full-lifecycle quality control (IQC/IPQC/QA/OQC) and transparent progress updates (photos/videos).



Screw workshop



Spring workshop

FACTORY

Factory View



Stamping parts workshop

Screw workshop





Injection Molding Workshop

Injection molding workshop



Turned Parts Workshop

Turned parts workshop



Injection Molding Workshop



Turned Parts Workshop

Quality Inspection



Film Thickness Gauge



Vickers Hardness Tester



Tensile Testing Machine



Tensile Testing Machine



Depth Gauge

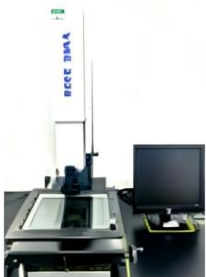


Image Projector



Tensile Testing Machine



Constant Temperature and Humidity Machine



Salt Spray Test Chamber



V-Tyoe Miscrometer



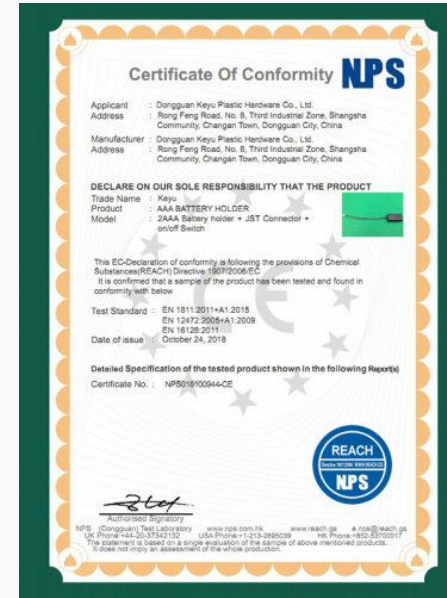
Optical Sorter

QI

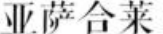
We have a full set of professional testing equipment to ensure the quality of our products.



Certificates



Business Partner

 箭牌卫浴		 CB-CERATIZIT	 DAIDO STEEL	 SCHMOLZ + BICKENBACH AG	 中国电科
	 小米 xiaomi.com		 TTM Technologies Time-To-Market Interconnect Solutions	 格力	
 YAZAKI	 亚萨合莱 ASSA ABLOY			 Medtronic	
 櫻花		 西门子			



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