INDE
reliable & caring since 1976

Heavy Duty ESD Safe Cleaning Brush, Toothbrush type   P/N: ICBESD-1607

Removes dirt on PCBs and on other static sensitive components and also discharge static charge. This Brush minimize static charge generation and also dissipate static charge.

- Material: PP Conductive handle and PA plastic Fiber bristle
- Surface resistivity: $10^6 \sim 10^9 \Omega$
- Bristle matrix: 3x12
- Bristle length: 19 mm (approx.)
- Length: 170mm (approx.)

ESD Safe Cleaning Brush, Vertical type small   P/N: ICBESD-1608

Removes dirt on PCBs and on other static sensitive components and also discharge static charge. This Brush minimize static charge generation and also dissipate static charge.

- Material: PP Conductive handle and PA plastic Fiber bristle
- Surface resistivity: $10^6 \sim 10^9 \Omega$
- Bristle matrix: 2x6
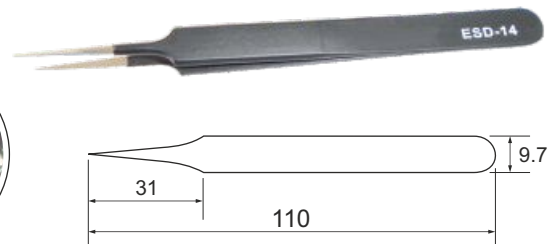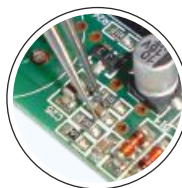- Bristle length: 18 mm (approx.)
- Length: 150mm (approx.)

ESD Safe Straight Tweezer   P/N: ESD-14

for handling small parts and SMD components and fine wires

- With ESD Safe coating
- Super fine straight tip type
- Material: Stainless Steel
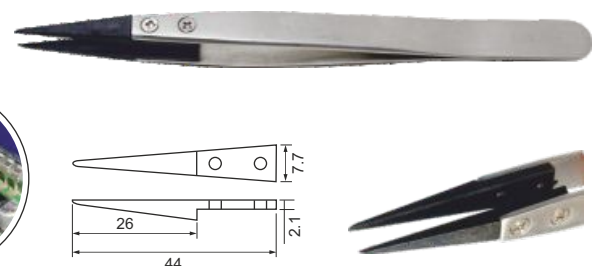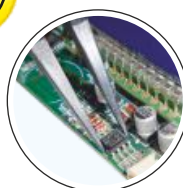- Non-Magnetic
- Length: 110mm (approx.)

ESD Safe Straight Tweezer   P/N: GCP-147

for handling fragile parts

- Non-Magnetic
- Resistance: $< 10^8$ Ohm
- Tip Material : PPS, ESD Safe
- Length: 130 mm (approx.)
- Does not scratch surface of fragile parts and sensitive SMD ICs
- Length: 130mm (approx.)

136

Grounding Cord   P/N: IGC-1619

Antistatic Grounding Cord used to transfer the static charge from personnel to ground to protect static sensitive electronic devises

• Both ends has snap button
• Length: 8 feets (approx.)
• Cord diameter: 2.4mm (approx.)
• Copper wire with PU protection layer
• in-built 1MOhm resistance

ESD Safe Wrist Strap   P/N: IWSESD-1602

• Elastic Polyester fabric with conductive plated threads
• In-built 1 MOhm resistor
• Length of Cord: 6 feet
• Snap Button at one end & Banana Plug with Alligator clip at other end

ESD Safe Dispensing Bottle   P/N: ESD-DB-180

• Made up of Polyethylene
• Stainless steel one touch pump top
• Capacity: 180ml
• Surface resistivity: $10^9 \sim 10^{10}$ Ohms

ESD Safe Flux Bottle   P/N: IFABN-60

• Made up of Polyethylene
• Stainless Steel Hypodermic Needle
• Capacity: 80ml
• Surface resistivity: $10^9 \sim 10^{10}$ Ohms

ESD Chip Component Box   P/N: ESD-BOX-M

• Surface resistance: $10^4 \sim 10^6$ Ω
• Size: 56x32x21 mm (approx.)
• Spring loaded top cover
• Very useful to store miniature SMD Chip Components

ESD Safe Slippers   P/N: ISESD-1606

• ESD Safe and skidproof
• Tenacious sole and upper
• Comfortable & convenient
• Washable & wear-resistant
• Resistivity: $10^6 \sim 10^9$ ohm
• Colour: Blue
• Size: 40, 42 and 44

Grounding Cord   P/N: IGC-1601

• Designed to ground ESD Table Mat
• Provides two grounding points, one for Wrist Strap & other for connection to ground
• One end has Snap Button and 2 Banana Jacks & other end has Grounding Thimble
• Length: 2 meters (approx.)

Grounding Thimble

Snap Button

2 Banana Jacks

137

Website: www.indeonline.in • Email: romesh@indeonline.in • Cell Phones: 7009246304 & 9316134502 • Phones: 0172-4614415
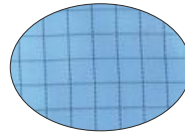
ESD Safe Apron

P/N: IA-Series

ESD Safe Aprons are made of lint-free polyester filament, which provides good static dissipation and superior air permeability and particle filtration. This helps the operators to be comfortable. These Aprons have a conductive yarn that provides low surface resistivity of between $10^6\Omega \sim 10^7\Omega$/square and quick static dissipation for effective control of ESD.

- Durable anti static property
- High fastness to washing 100 times.
- High color fastness and tear strength.
- Breathable to wear.
- Available sizes: Medium (M) & Large (L)
  - IAMESD-1604 for Medium size
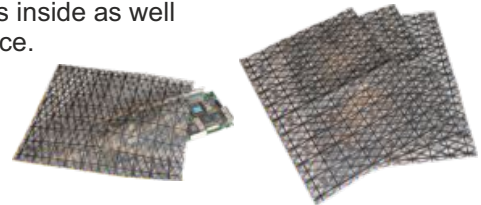 - IALESD-1605 for Large size

5mm Strip Fabric

ESD Safe Conductive Grid Bags

P/N: IGBESD-1616

Protects stored PCBs and components from the electrostatic charges inside as well from outside through the conductive grid printed on the outside surface.

- Blow moulded added with black carbon & cavitations agent
- Surface resistance of 10^4-$10^6\Omega$
- Size: 250 x 300mm (approx.)
- Packaging: 1000 Pieces/Bag

ESD Warning Tape

P/N: IWTESD-1614

High quality ESD Warning Tape is self-adhesive, highly visibility floor marking tape for marking the boundaries of ESD protected areas. It is highly visible and adheres very well to synthetic floors such as PVC floor tiles, the tape will also adhere to concrete floors and can be expected to remain intact for several months depending on traffic.

- Excellent ESD Performance
- High temperature resistance
- Antistatic warning signs
- Size: 48mm width and 27.5 meters length (approx.)
- Black legend colour with yellow background

Attention
Observe precautions for handling Electrostatic Sensitive Devices

ESD Safe Gloves with PU Coated Finger Tips

P/N: IPUG-Series

- Made from soft nylon for operator's comfort
- PU coated Finger tips
- Integrated with carbon fiber
- Surface resistivity: $10^6 \sim 10^{10}$ Ohm
- Elastic, absorbent and non-slip type

- Available sizes: Medium (M) & Large (L)
  - IPUGMESD-1611 for Medium size
  - IPUGLESD-1612 for Large size

138

ESD Safe Side Cutter

CK Tools P/N: T3782D 115

- Fully ESD compliant for safe use on static sensitive components
- Induction hardened jaws for outstanding long term performance.
- Precision box joint construction for adjustment-free jaw alignment
- Special alloy steel, drop forged, hardened & tempered for exceptional strength and durability
- Ergonomically designed dual component handles for increased comfort and control
- Spot welded double leaf springs for consistent, repetitive action

Specifications:

- Cutting capacity
  - Soft Wire   : 1.5mm/15AWG
  - Medium Wire   : 1.0mm/18AWG
  - Hard Wire   : 0.4mm/26AWG
- Cut type   : Semi Flush
- Length (approx.) : 125mm

C.K TOOLS GERMANY

SENSOPLUS™ ESD

ESD Safe

Wire Catch facility to prevent flying cut leads

Semi-Flush

ESD Safe Oblique Cutter with Tungsten Carbide Blades

CK Tools P/N: T3760DF 115

- Fully ESD compliant for safe use on static sensitive components
- Induction hardened jaws for outstanding long term performance.
- Precision box joint construction for adjustment-free jaw alignment
- Special alloy steel, drop forged, hardened & tempered for exceptional strength and durability
- Ergonomically designed dual component handles for increased comfort and control
- Spot welded double leaf springs for consistent, repetitive action
- Tungsten carbide blades for outstanding cutting life

Specifications:

- Cutting capacity
  - Soft Wire   : 2.0mm/12AWG
  - Hard Wire   : 1.0mm/18AWG
  - Piano Wire   : 0.6mm/22AWG
- Cut type   : Semi Flush
- Length (approx.) : 125mm

C.K TOOLS GERMANY

SENSOPLUS™ ESD

ESD Safe

Flush Cut

ESD Safe SMD Side Cutter (Slim - Relieved Head)

CK Tools Germany P/N: T3886

- Sharp, precision cutting edges with extra full flush cut
- Made from special tool steel blade, hardened for long-term cutting performance
- ESD handles - dissipative 10^8 Ohm
- Dual component handle design for comfortable working
- Black oxidized finish for corrosion resistance and reduced glare
- Smooth-action return spring for convenience during repetitive work
- Cutting Capacity: 1.3mm dia wire
- Length: 140mm (approx.)

ESD Safe

Ecotronic ESD

C.K TOOLS GERMANY

INDE
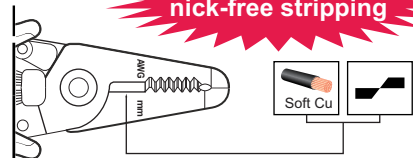reliable & caring since 1976

ESD Safe Precision Wire Stripper

CK Tools Germany P/N: T3893

For safe and damage-free stripping of fine insulated solid wires where it is critical to prevent damage from electro-static charge and also to avoid any cutting nick on conductor

- Precision stripping holes guarantee the accurate size of notches for accurate stripping without any nick to the conductor
- Laser marked gauges in AWG & mm
- Made from special tool steel blade, hardened for long-term cutting performance
- ESD handles - dissipative 10^8 Ohm
- Dual component handle design for comfortable working
- Black oxidized finish for corrosion resistance and reduced glare
- Smooth-action return spring for convenience during repetitive work
- Also has Cutting Capacity: 3.0mm dia wire
- Length: 170mm (approx.)
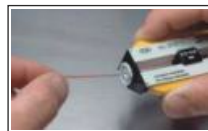- Stripping hole dia: 0.25, 0.32, 0.4, 0.5, 0.6 & 0.8mm (30, 28, 26, 24, 22 & 20 AWG)

precise holes for nick-free stripping

Soft Cu

ESD Safe Precision Wire Stripper

CK Tools P/N: T3757ESD 2

- Compact precision Wire Strippers for repeatable and damage free stripping of PVC, Teflon & similar coated insulating wire
- Integrated depth stop for stripping to precise lengths
- Specially hardened blades for outstanding long term performance
- Fully ESD compliant for safe use on static sensitive electronic components
- Adjustable to strip 6 wire diameters: 0.25, 0.30, 0.40, 0.50, 0.60, 0.80mm

ESD Safe Screwdriver Set (6pcs of SL/PH types)

CK Tools Germany P/N: T4741SESD

- Ergonomic tri-lobe handle design for comfort and effective delivery of torque
- Fully ESD compliant for safe use on sensitive electronic components
- Toughened alloy steel blade for exceptional strength & durability
- Black anti-peel finish eliminates the risk of damage from flaking chrome
- Handle injection moulded directly to blade giving the ultimate bond for increased reliability and durability
- Precision Tip for exact fit and damage free screwdriving
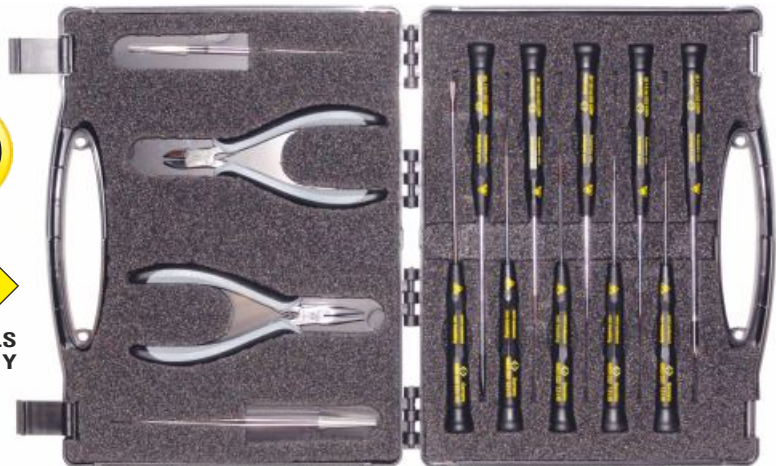
TRITON ESD

The Set contains:

- Slotted Screwdriver 3 x 75mm
- Slotted Screwdriver 3 x 100mm
- Slotted Screwdriver 5 x 135mm
- Philips Screwdriver #0 x 60mm
- Philips Screwdriver #1 x 80mm
- Philips Screwdriver #2 x 100mm

142

Precision Tweezers

Sensoplus Side Cutter

SENSOPLUS™ ESD

C.K TOOLS GERMANY

ESD Safe

Sensoplus Snip Nose Plier

SENSOPLUS™ ESD

XONIC™ ESD XONIC ESD Safe Screwdrivers

The Kit Consists of:

Items Description
⊖ Xonic ESD Screwdriver 1.5 x 60mm
⊖ Xonic ESD Screwdriver 1.8 x 60mm
⊖ Xonic ESD Screwdriver 2.5 x 60mm
⊖ Xonic ESD Screwdriver 2.5 x 75mm
⊖ Xonic ESD Screwdriver 3 x 100mm
⊖ Xonic ESD Screwdriver 4 x 100mm
⊕ Xonic ESD Screwdriver #000 x 60mm
⊕ Xonic ESD Screwdriver #00 x 60mm
⊕ Xonic ESD Screwdriver #0 x 60mm
⊕ Xonic ESD Screwdriver #1 x 80mm
Sensoplus ESD Safe Side Cutter
Sensoplus ESD Safe Snip Nose Plier
Precision fine tip Curved Tweezer
Precision SMD handling Tweezer
Rugged Hard Shell Carry Case

SENSOPLUS™ ESD

ELECTRONIC AND *SensoPlus®* ELECTRONICS PLIERS

Induction hardened jaws for outstanding long term performance. Mirror polished surface eliminates the risk of damage from flaking chrome

Precision box joint construction

Spot welded double leaf springs for consistent, repetitive action

Special alloy steel, drop forged, hardened and tempered for exceptional strength & durability

Fully ESD compliant for safe use on sensitive electronic components

Ergonomically designed dual component handles for increased comfort & control

XONIC™ ESD

Fully ESD compliant for use on static sensitive components

Ergonomic handle with rotating cap

Precision machined tip for damage free screwing

Premium alloy steel blade