

Semi-Flush Heavy Duty ESD Cutters

C1160P

Description

The C1160P Semi-Flush Heavy Duty ESD Cutters is a high precision cutter belonging to the extra large oval cutter family. This type of geometry provides excellent resistance, while the C1160P head dimensions increase its cutting capacity. The semi-flush cutting edge is suitable to perform robust cuts. The C1160P is equipped with an ESD Ergo-tek handle which allows an excellent grip, suitable to environments and to components susceptible to electrostatic discharge. The blades are hardened to 67HRC hardness. These types of cutters should only be used on flat surfaces where they can sit flush with the object being cut. Compliant to the IEC 61340-5-1 International Standard. RoHS and REACH compliant. This product is CE approved.

Product Features:

- Head description: Extra Large Rounded, Oval
- Cutting edges: Semi-Flush
- Cutting capacity: Soft wire 0.50-3.00 mm (24-9 AWG)
- Body material: High carbon-chromium low alloy steel (100Cr6)
- Body finishing: Sandblasted
- Handle material: Ergo-tek - Thermoplastic Elastomer + PP compound



Cu Ø 0.5-3.0mm

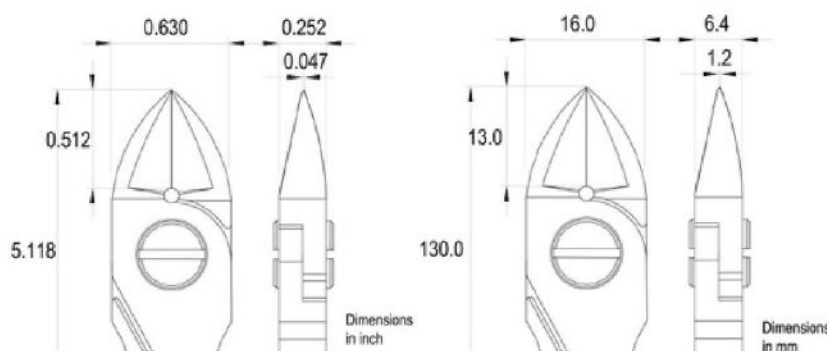
Dimensions

OAL (A):	130.0 mm - 5.118 inch
Width:	60.0 mm - 2.362 inch
Height:	21.0 mm - 0.827 inch

Head Dimensions

Width (C):	16.0 mm - 0.630 inch
Thickness (D):	6.4 mm - 0.252 inch
B:	13.0 mm - 0.512 inch
F:	1.2 mm - 0.047 inch

Pictures showing dimensions in inch and mm:



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Thermoplastic Elastomer TPE

General notes:

- **TPE** Olefinic Thermoplastic Elastomer, Permanent Antistatic.
- Soft Plastic, was developed in order to achieve a surface resistance $10^{(8)} - 10^{(9)}$ Ohm in order to minimise the possibility of charge generation by wearing.

- **ESD** Protection.



Soft plastic (TPE)



Upper side

Mechanical Properties

Tensile strength	2 MPa	ISO 527 ASTM D 638
Tensile elongation	10 +%	ISO 527 ASTM D 638
Hardness, Shore	65-75 A	D-785

Polypropylene Compound PP

General notes:

- **PP** polypropylene-compound.
- Hard Plastic, its function is to ground the metal tool (through the operators hand and the ESD wrist strap).

- **ESD** Protection.



Hard plastic (PP)



Bottom side

Mechanical Properties

Tensile strength at break (5mm/min)	20 MPa	ISO 527 ASTM D 638
Elongation at break (5mm/min)	>10%	ISO 527 ASTM D 638
Tensile modulus +23°C	1650 MPa	ISO 527 ASTM D 638
Tensile strength +23°C	190 MPa	ISO 527 ASTM D 638
Izod-Impact strength (notched) +23°C	13 kJ/m	ISO 179/2C

Thermal Properties

Temp. of defl. under load (1.80 MPa)	56 °C	ISO 75 ASTM D 648
VICAT softening point B (49 N)	70 °C	ISO 306

Other Properties

Density	0.97 g/cm ³	ISO 1183
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Eliminate Costly Static Damage...

Whether you are experiencing unacceptable levels of damage in transit, need a specific cleanroom solution or simply don't know which ESD safe equipment is best for you, we can help!

Request complimentary, no obligation advice by speaking with one of our technical experts today.

