



PROTECT ELECTRO STATIC SENSITIVE DEVICES

ABOUT ELECTROSTATIC DISCHARGE (ESD)

To a greater or lesser extent all contact between objects, every separation of one item from another, each sliding of one thing on another, causes a disturbance of electrical charge. When charge disturbance take place faster than charge redistribution, static charge accumulates. ESD occurs where charges of different electrostatic potentials meet. The flow of electrons is usually sudden and releases energy that can damage electrostatic sensitive devices (ESDs) This is referred to as tribo electric generations.

Static charges of upto 30000 volts are not uncommon and can be generated by the simple act of walking across a floor, yet a discharge of only 10 volts can destroy a class 1 ESD sensitive device.

A material that inhibits the generation of tribo electric generation is classified as anti-static. An anti-static material can be

conductive (10^3 - 10^6 ohms/sq),

static dissipative (10^7 - 10^9 ohms/sq),

anti-static (10^{10} - 10^{12} ohms/sq) or even

insulative (greater than 10^{12} ohms/sq)

Only conductive or static dissipative anti static material should be used in ESD protected areas .

10^3 10^4 10^5 10^6 CONDUCTIVE	10^7 10^8 10^9 STATIC DISSIPATIVE	10^{10} 10^{11} 10^{12} ANTI STATIC	10^{13} INSULATIVE
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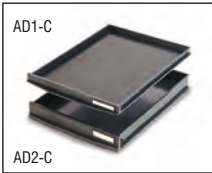
Modular system is an ideal storage system for Electrostatic sensitive devices based on standard modules which can be interlocked and stacked one on top of each other.

The basic system is based on four drawer sizes which can be interchanged in the ratio of : 1 : 2 : 3 : 4.

All cabinets can be supplied with / without central lock.

Made from conductive polystyrene.





AD1-C

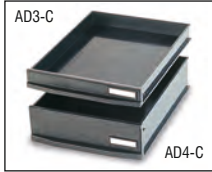
AD2-C



AMS6L-C



STOPPERS



AD3-C

AD4-C



AMS4L-C



CENTRAL LOCK

SPECIAL STOPPERS

Special stoppers are provided to stop the drawers when opened fully. To remove drawer from the cabinet lift the drawer up & remove from cabinet.



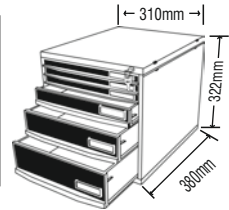
AMS12L-C



AMS3L-C



Set of clips are provided for interlocking of cabinets.



INTERNAL SIZE OF DRAWERS

- AD 1-C: 360mm (D) x 270mm (W) x 16mm (H)
- AD 2-C: 360mm (D) x 270mm (W) x 39mm (H)
- AD 3-C: 360mm (D) x 270mm (W) x 62mm (H)
- AD 4-C: 360mm (D) x 270mm (W) x 87mm (H)

AMS 12-C : Modular system with 12 Nos of AD 1 Drawers.

AMS 6-C : Modular system with 6 Nos of AD 2 Drawers.

AMS 4-C : Modular System with 4 Nos of AD 3 Drawers.

AMS 3-C : Modular System with 3 Nos of AD 4 Drawers.

MIXED DRAWER SYSTEM

Modular System can be fitted with different size of drawers in the same cabinet. For example, one AD 4-C drawers can be replaced by two AD 2-C drawers or one AD 1-C drawer and one AD 3-C drawer.

INDICATOR

Name plate can be changed by pushing out the paper from the indicator as shown.

BASE UNIT

Base unit can be used with castors to make a mobile unit. One or more base units can be used (Joined by set of four dowels provided) under the Modular system to raise the cabinet from the floor. Height of the base unit is 35mm.

CENTRAL LOCKING SYSTEM

Is provided OPTIONALY. Product numbers for cabinet with locks will be AMS 12L-C , AMS 6L-C, AMS 4L-C & AMS 3L-C

CONDUCTIVE UTILITY CONTAINERS : FOR STORAGE OF SMALL PARTS. THREE SIZES OF CONTAINER IN BLACK COLOUR ARE AVAILABLE TO FIT IN AD 3-C / AD 4-C DRAWERS.



Combination of Containers in AD 3-C drawers

Sizes of Containers :

Art No : UC 1-C

Size : 85mm (L) x 85mm (W) x 55mm (H)

12 Containers fit in one AD3-C / AD4-C drawer.

Art No : UC 2-C

Size : 175mm (L) x 85mm (W) x 55mm (H)

6 Containers fit in one AD3-C / AD4-C drawer.

Art No : UC 3-C

Size : 255mm (L) x 85mm (W) x 55mm (H)

4 Containers fit in one AD3-C / AD4-C drawer.

All dimensions in mm approx.