



SAFETY ADVICE

Questions that should be asked when purchasing a laptop trolley.



Important OH&S questions to consider on any laptop trolley or storage unit

A laptop trolley or storage unit is an important purchase. The right one can protect your investment from theft and prolong laptop battery life.

The two key OH&S issues relate to electrical safety and the use of hazardous substances.

Wilson & Gilkes have produced this check list, that can be used to evaluate the appropriateness of any future purchase of laptop trolleys and laptop storage units.

Wilson & Gilkes have been proudly manufacturing AV equipment for more than 60 years. This unique connection to Australia has given us an intimate and 'real world' understanding of the requirements of Australian standards and their importance in providing safe working environments for students and teachers.

We hope this list helps you develop a better understanding of the most critical considerations when selecting the safest laptop trolleys and laptop storage units for your school.



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Electrical Safety

Question 1.

There have been recorded instances of laptop chargers creating a dangerous reverse EMF charge when unplugged. Does the storage unit have protection for this occurrence?

Y N

Question 2.

Is there a visual signal to alert users that power is active on the Laptop storage unit?

Y N

Question 3.

Is the main power system activation switch on the laptop storage unit rated at IP 67 to protect from accidental liquid spills?

Y N

Question 4.

How many laptop computers can be safely recharged by a power management unit?

Y N

Question 5.

There have been instances where a laptop trolley was accidentally moved while the power is still plugged into the socket. Is there a safety mechanism for this event?

Y N

Question 6.

If the main power cord is damaged, is a new power management unit required?

Y N

Question 7.

Power management systems on laptop storage units will help protect from overheating when recharging multiple computers. Is the power management system tested and approved in Australia?

Y N

Use of Hazardous Substances

Question 8.

Is the laptop storage unit RoHS (Restriction of Use of Hazardous Substances) compliant?
www.rohscompliancedefinition.com

Y N

Question 9.

Does the Laptop Storage unit have a lead free/eco friendly finish applied in Australia, to Australian standards?

Y N

Manoeuvrability

Question 10.

Moving fully loaded laptop trolleys across uneven surfaces can present OH&S issues. Is the laptop trolley suitable for this use?

Y N



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Electrical safety

Question 1.

There have been recorded instances of laptop chargers creating a dangerous reverse EMF charge when unplugged. Does the storage unit have protection for this occurrence?

Y N

Answer Gilkon Eco System V3.0 when fitted to a Lock & Dock unit has a patented electrical relay feature that will not allow any reverse EMF charge to pass through to the power cord.

Question 2.

Is there a visual signal to alert users that power is active on the Laptop storage unit?

Y N

Answer Gilkon Eco System V3.0 has an IP67 rated industrial quality power switch. There is a bright LED in the push button that can be seen at a distance to indicate the mains power is active. When the LED is flashing the charging cycle is running.

Question 3.

Is the main power system activation switch on the laptop storage unit rated at IP 67 to protect from accidental liquid spills?

Y N

Answer Gilkon Eco System V3.0 has a stainless steel / chrome plated brass start button fitted. It has an IP67 rating that will resist liquid and dust. The start switch design has a further safety feature of using only a very low 5-volt signal to activate the power management system.

Question 4.

How many laptop computers can be safely recharged by a power management unit?

Y N

Answer The patented Gilkon Eco system V3.0 can safely recharge 30 computers. It is important to be aware that laptop chargers are an inductive power load. This requires specifically designed power management when consecutively recharging more than one computer. Common power boards are more suited for resistive power loads.



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Question 5.

There have been instances where a laptop trolley was accidentally moved while the power is still plugged into the socket. Is there a safety mechanism for this event?

Y N

Answer Unfortunately these accidents can happen. Wilson & Gilkes designers have provided two levels of protection in this situation on the Gilkon Eco System V3.0. The power cord has a moulded rubber grommet to hold the cord in plugged position so that small movements would not unplug the cord inside the trolley. In the event of a more forceful move the IEC socket will allow the cord to detach from the trolley and the timer to avoid severing the cable.

Question 6.

If the main power cord is damaged, is a new power management unit required?

Y N

Answer Gilkon Eco System V3.0 has a removable IEC socket power cord with fortified quality insulation. If the cord is damaged, it is a simple, safe and low cost removable item that does not require a new power management unit or a technician.

Question 7.

Power management systems on laptop storage units will help protect from overheating when recharging multiple computers. Is the power management system tested and approved in Australia?

Y N

Answer Gilkon Eco System V3.0 is a patented Australian product that is tested and electrically approved in Australia. The approval number is SAA101495EA.



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Use of Hazardous Substances

Question 8.

Is the laptop storage unit RoHS (Restriction of Use of Hazardous Substances) compliant?
www.rohscompliancedefinition.com

Y N

Answer Wilson & Gilkes manufacturer Lock & Dock products and controls all parts of the manufacturing process. The electrical circuits in the patented Gilkon Eco System V3.0 are RoHS compliant.

Question 9.

Does the Laptop Storage unit have a lead free/eco friendly finish applied in Australia, to Australian standards?

Y N

Answer Wilson & Gilkes manufacture Lock & Dock products. There is no Lead in the powder coat surface finish.

Manoeuvrability

Question 10.

Moving fully loaded laptop trolleys across uneven surfaces can present OH&S issues. Is the laptop trolley suitable for this use?

Y N

Answer Schools often have rough surfaces that create problems when wheeling trolleys. Whilst a pump up pneumatic wheel is effective, the continual inflation can be an OH&S problem. Lock & Dock provide at no additional cost, a large soft tyre rear wheel that never needs to be pumped up.

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