Declaration

Please refer to each product specific information data sheets for the detailed load, fixing, and application data.

Product information

Name	Gripple Wire Hangers
Product Code	Gripple No.1 to No.5
Manufactured	3 Corporate Avenue, Rowville, VIC 3178

Relevant building code clauses

B 1.2	B 1.3.3	B 2.3.2
B 1.3.1	B 1.3.4	F 2.3.1
B 1.3.2	B 2.3.1	

Catenany kits are not subject to warning or ban under section 26 of the Building Act 2004.

Description

Wire rope suspension systems for HVAC, electrical, and mechanical services. Various types include loops, studs, toggles, eyelets, and snap hooks.

Scope of use

B 1,1.3.1,1.32,1.3.3,1.3.4
The Gripple Hanger system is designed to enhance the stability of non-structural components in buildings. By securely suspending equipment and components, it reduces the likelihood of collapse or failure, thereby contributing to the overall structural resilience as outlined in B1 Structure.

B 2.3.1,2.3.2
The Gripple Hanger system has a robust design and quality materials ensure that suspended non-structural elements remain functional and intact over time. This aligns with the durability requirements of B2, ensuring that building elements can withstand environmental stresses without significant degradation.

F 2.3.1
The Gripple Hanger system does not present a health hazard. There are no specific requirements in order to comply with Acceptable Solution F2/AS1.

Limitations

The limitations on the use of this product is dependent on the load specifications and environment the product is to be installed in.

With specific models of the Gripple No.1 to No.5, are to be used for different applications.

Please refer to each of the product specific information data sheets for the detailed load, fixing, and application data.

Design requirement & Installation

As per product specifications and load-bearing capacities.

Refer to each Gripple Hangers installation guidelines.

Maintenance

Regular inspection for integrity and load capacity, especially in dynamic environments.

version 1.1

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Relevant building code clauses

Building Code Clause	Description	Statement on how the building product is expected to contribute to compliance Seismic:
B 1.2	Buildings, building elements and sitework shall withstand the combination of loads that they are likely to experience during construction or alteration and throughout their lives.	The Gripple Wire Hanger System is designed to enhance the stability of non-structural components in buildings during seismic events. By securely bracing equipment and components, it reduces the likelihood of collapse or failure, thereby contributing to the overall structural resilience as outlined in B1 Structure. This is particularly crucial in earthquake-prone regions.
B 1.3.1	Buildings, building elements and sitework shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during construction or alteration and throughout their lives.	
B 1.3.2	Buildings, building elements and sitework shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during construction or alteration when the building is in use.	
B 1.3.3	"Account shall be taken of all physical conditions likely to affect the stability of buildings, building elements and sitework, including: (a) self-weight, (b) imposed gravity loads arising from use, (c) temperature, (f) earthquake, (h) wind, (i) fire, (p) influence of equipment, services, non-structural elements and contents,"	
B 1.3.4	"Due allowance shall be made for: (a) the consequences of failure, (b) the intended use of the building, (c) effects of uncertainties resulting from construction activities, or the sequence in which construction activities occur, (d) variation in the properties of materials and the characteristics of the site, and (e) accuracy limitations inherent in the methods used to predict the stability of buildings."	
B 2.3.1	"Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or: (b) 15 years if: (i) those building elements (including the building envelope, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace, or (ii) failure of those building elements to comply with the building code would go undetected during normal use of the building, but would be easily detected during normal maintenance. (c) 5 years if: (i) the building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and (ii) failure of those building elements to comply with the building code would be easily detected during normal use of the building."	Gripple Wire Hanger System robust design and quality materials ensure that suspended non-structural elements remain functional and intact over time, even in the event of seismic activity. This aligns with the durability requirements of B2, ensuring that building elements can withstand environmental stresses without significant degradation.
B 2.3.2	"Individual building elements which are components of a building system and are difficult to access or replace must either: (a) all have the same durability, or (b) be installed in a manner that permits the replacement of building elements of lesser durability without removing building elements that have greater durability and are not specifically designed for removal and replacement."	
F 2.3.1	The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.	F2 Hazardous Building Materials: Performance clause F2.3.1. Gripple Wire Hanger System does not present a health hazard. There are no specific requirements in order to comply with Acceptable Solution F2/AS1, First Edition Amendment 3, 2017.

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