Gripple Hangers

ADVANTAGES

- **Strong**
  5:1 load rated system.
- **Replaces threaded rod**
  No more sawing, filing or fixing nuts.
- **Faster**
  Reduces installation time by 80%.
- **Safe**
  Lightweight, making it easier to carry on site.
- **Saves time and money**
  No need for additional bracketry.

No.1
0 - 22lbs

No.2
22 - 100lbs

No.3
100 - 200lbs

No.4
200 - 495lbs

No.5
495 - 715lbs

CALCULATION FORMULA

A simple formula to determine the correct hanger size is:

Weight per ft x distance between hangers

Example: 30lbs load per ft → Distance between hangers is 5ft
Plane: Vertical

30 x 2 = 60lbs

Size will be No.2

Gripple Hangers – Do's

- Ensure that the cable protrudes at least 3 inches from the Gripple housing.
- Use Gripple hangers for suspending static loads only.
- Use the hanger within its stated load range.
- Check that the self-locking fastener is fully engaged.
- Ensure all hangers are evenly loaded.
- Keep the hanger components clean.
- Follow the manufacturers recommendations.
- Consider the effect of an angle, or forming in-line joins, has on the SWL (see next page).
- Follow health and safety guidelines and best practice recommendations in the work place.
- Ensure appropriate PPE is worn when handling wire rope.

Gripple Hangers – Don'ts

- Exceed the product's Safe Working Load.
- Use the hanger for lifting.
- Use the hanger for moving services.
- Splice together two Gripple hanger kits, or any other joining device.
- Walk on any suspended service.
- Use the self-locking fasteners on coated wire of any kind.
- Apply paints, lubricants or other coatings to the Gripple or wire rope.
- Use standard hangers in a chlorinated or humid atmosphere.
- Exceed an angle of 60°.
- Attempt to use the setting key when the suspension is under load.
- Re-use Gripple hangers; they are designed for permanent installations.

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Gripple Hangers - Best Practice Guide

HOW TO CHOOSE THE RIGHT SIZE AND MODEL

1. Choose the size where the object's weight falls within the product's working range. Examples of the calculation formula are detailed on previous page.
2. Unless specified, each of our end fixings maintains the load ratings of the individual kits.
3. Each size has a specified safe working load rated at 5:1, and offers a working load range.
4. The load range should be observed; choosing a size that is lighter or heavier than necessary is counter-productive, both functionally and financially.
5. Remember to adjust your size choice if the hanger is to be used at an angle other than vertical. The table below (Effect on SWL of Hanging Objects at an Angle) shows the effect a sideways load has on a vertical installation.
6. In areas of high humidity (a paper factory) and frequent wash down (a food processing factory), stainless steel kits should be considered for extended life performance.

EFFECT ON SWL OF HANGING OBJECTS AT AN ANGLE

The load rating for a Gripple hanger is based on the suspension being hung vertically. If the cable is suspended at an angle, an additional sideways load is applied which reduces the capacity of the suspension. The net effect is shown on the table below:

Maximum SWL (lbs) at an angle from vertical					
Gripple Hanger	**0º**	**15º**	**30º**	**45º**	**60º**
No.1	22	21	18	15	11
No.2	100	96	86	70	50
No.3	200	192	172	140	100
No.4	495	475	425	346	247
No.5	715	686	614	500	357
Load %	100	96	86	70	50

EFFECT ON SWL OF FORMING IN-LINE JOINTS

When using a Gripple as an end-stop on light duty applications, the SWL is affected by a 55% reduction in efficiency, and so the following ratings should be applied. In order to calculate the SWL at 5:1 when forming joints, multiply the current safe working load limit by 0.45 *(see table below).*

Maximum SWL (lbs) at an angle from vertical		
Size	**Standard**	**In-line join**
No.1	22lbs	9.9lbs
No.2	100lbs	49.46lbs
No.3	200lbs	90lbs
No.4	495lbs	222.75lbs
No.5	715lbs	321.75lbs

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