



ISO 9001:2015



GPL-RAILING System



Railing System Overview



The GPL cable railing system is used in architectural and construction applications. It is a type of railing or guardrail consists of horizontal or vertical cables, typically made of stainless steel ,that are tensioned between posts or structural elements to create a barrier or enclosure. Cable railing systems are often used in both interior and exterior settings, such as decks, balconies, staircases, and walkways.

Description:

GPL cable railing systems are the alternative to ordinary railing attachments. We make precision engineered products, which are easy to install cable and fittings that deliver a sleek and strong, modern aesthetic to every project, indoors or outdoors.




SPECIALITY:

- 'Easy Grip' to hold wire end.
- Integral high rate locking system to maintain tension.
- Turnbuckle to tension wire.
- Jaw for rotation.
- 'Easy wire release system' during re-assembly.
- 'No more sagging wires' due to easy re-tensioning.

COMPONENTS DETAIL

| | | |
|---|---|---|
| <p>Push Lock With Threaded Bolt End & Tensioner</p> |  | <p>It can be used with any fitting on the opposite end of the run.</p> |
| <p>Push Lock With Threaded Bolt End</p> |  | <p>Must be used with a tensioning fitting on the opposite end of the run.</p> |
| <p>Push Lock With Hinge & Threaded Bolt End</p> |  | <p>Must be used with a tensioning fitting on the opposite end of the run.</p> |
| <p>Push Lock With Hinge & Tensioner With Threaded Bolt End</p> |  | <p>It can be used with any fitting on the opposite end of the run.</p> |

COMPONENTS DETAIL

| | | |
|---|---|--|
| <p>Push Lock With Hinge & Tensioner With Threaded Bolt End</p> |  | <p>It can be used with any fitting on the opposite end of the run.</p> |
| <p>CYLINDER</p> |  | <p>It can be used for fitting mounting with pole.</p> |
| <p>GROMMET</p> |  | <p>Must be used in intermediate post for wire safety.</p> |
| <p>WIRE ROPE</p> |  | <p>High quality ss wire rope 7x7 construction. We also refer 1x19 construction stainless Steel wire because it is smooth to the touch and does not fray as easily as some other Constructions.</p> |

ASSEMBLY INSTRUCTION



GPRS-004-01-4.0mm

Push lock with collar

GPRS-002-01-4.0mm

Push lock with threaded bolt & tensioner

GPRS-001-01-4.0mm

Push lock with threaded bolt & tensioner

GPRS-005-01-4.0mm

Push lock with hinge & tensioner

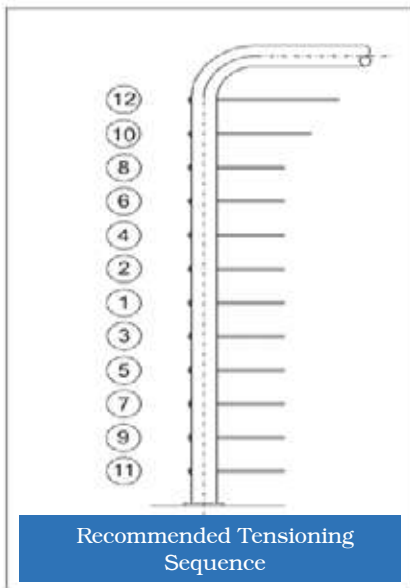
GPRS-003-01-4.0mm

Push lock with hinge & threaded bolt



- 1) Fitting is installed into a predrilled hole or drill in pole as per ceiling fitment.
- 2) Insert the push lock with washer in pole hole and mount with cylinder.
- 3) Insert the wire end into the push lock and repeat the same thing on another side.
- 4) After placing the wire into push lock, always confirm wire visibility in gripper through slot.
- 5) During railing assembly, turnbuckle system will always use only one side.
- 6) After all the cables have been installed, tension the cable through tensioner with an open end wrench, holding the lock from another flatten side with wrench to prevent it from rotating.
- 7) If need to re-adjust or re-assembly the system, first we will untighten the railing system through wrench then push the plunger through LN key and remove the wire from gripper. If the wire length is greater than it could be cut through wire cutter

ASSEMBLY INSTRUCTION



See “Tensioning Cables Chart”

for sequence to use in tensioning cables.

After assembly tension all cables in sequence, beginning with the center cables,

moving up and down toward the top and bottom.

As you tension each cable,

give it a sharp pull downward mid-span to

help set the wedge,

then re-tension as necessary in the same sequence.

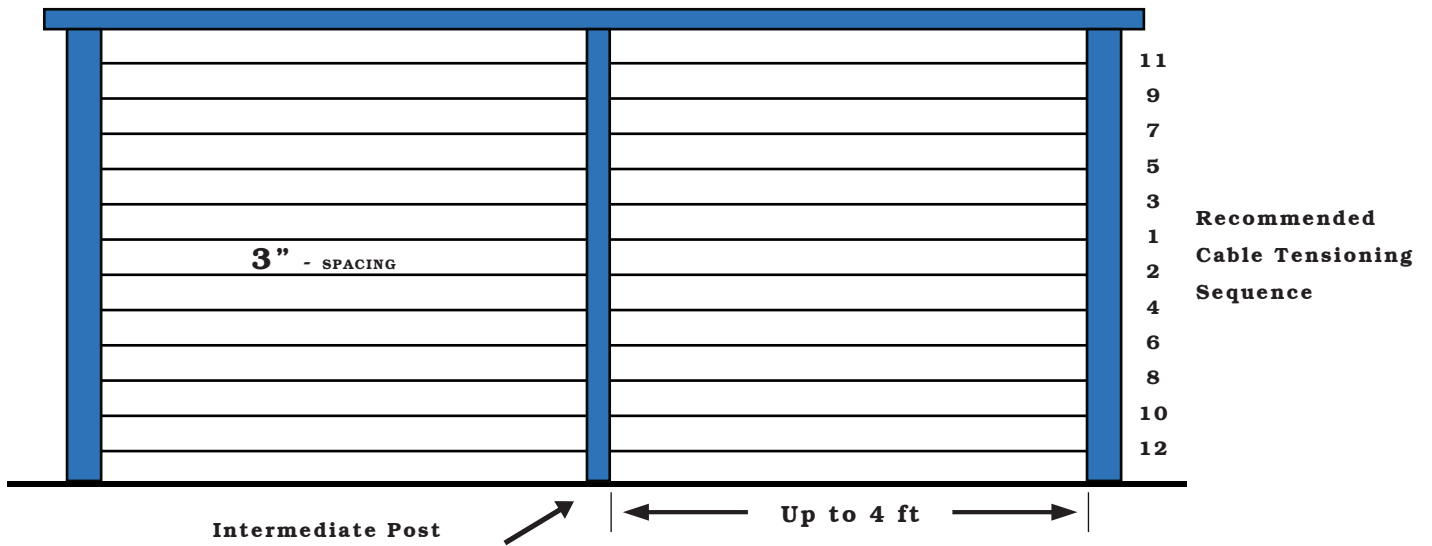
Here are some key features and benefits of cable railing systems:

1. **Minimalist Design:** Cable railings offer a sleek and minimalist aesthetic, allowing for unobstructed views and a sense of openness. This makes them popular in contemporary and modern architectural designs.
2. **Durability:** Stainless steel cables are resistant to corrosion and weathering, making cable railing systems suitable for outdoor use. They can withstand exposure to the elements without significant maintenance.
3. **Safety:** Cable railings provide a safe barrier while still allowing for visibility. The thin cables reduce the risk of small children or pets squeezing through the gaps, and they meet building codes and safety standards.
4. **Low Maintenance:** Compared to traditional wood or metal railings, cable railings require minimal maintenance. Occasional cleaning and inspections are usually sufficient to keep them in good condition.
5. **Versatility:** Cable railing systems can be customized to fit various architectural styles and spaces. They are available in different cable diameters, hardware options, and post designs to suit the specific needs of a project.
6. **Easy Installation:** Installing cable railings is generally straightforward, especially when using prefabricated kits. However, professional installation is recommended to ensure safety and code compliance.
7. **Environmentally Friendly:** Stainless steel used in cable railings is a sustainable material, and the open design allows for improved natural light and air circulation.
8. **Cost:** Cable railing systems can be cost-competitive with other railing options, depending on the materials and design choices made.

WARNINGS & PRECAUTIONS



PRECAUTIONS



WARNINGS

- STRICTLY FOLLOW THE ABOVE CHART.
- FRAME MUST SUPPORT MINIMUM OF 100KG. TENSION PER CABLE.
- DURING FITMENT DON'T BEND THE WIRE ROPE AT 45
- DO NOT EXCEED THE SAFE WORKING LOAD OF THE PRODUCT.
- DO NOT APPLY LUBRICANT.
- THIS PRODUCT IS NOT RECOMMENDED FOR LIFTING LOADS.
- REMOVE DAMAGED CABLE END PRIOR TO INSERTING INTO THE GRIPPER
- INSTALLATION MUST BE CARRIED OUT BY A QUALIFIED STRUCTURAL ENGINEER.

GPL GLOBAL PRESENCE



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