

LiftGuard™

MAGNETIC SLING PROTECTORS

by 

WARNING

Product may fail, if damaged, misused or overloaded. Injury or death may occur from improper use.

Rigging Practices

- Always use good rigging practices and follow federal, state and local regulations.
- User must be trained in good rigging practices and procedures before using this product.
- Optional nylon straps are only intended to help hold the sling in place on the sling protector. Additionally, straps may be used to attach the protector to the sling when not attached to a load.
- Check slings, sling protectors, and sling position on sling protectors as load is being applied and before lifting more than a few inches.
- Load must be rigged in a manner that will provide load control and stability.
- Slings should be vertical or 90° to horizontal when possible. The farther away from vertical, the greater the likelihood the slings and sling protectors will slide into the center of the load and the load lost.
- Check slings, sling protectors, and sling position on sling protectors as load is being applied and before lifting more than a few inches.
- The sling must be held in the center of the sling protector.
- The farther a sling moves away from vertical the more tension is introduced into the sling and sling protector, due to the angle. You must allow for the added tension.
- Padding **MUST** be used on edges, corners, and anywhere slings could be damaged.
- Avoid shock loads. Do not bridge gaps. Stand clear of loads.
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Working Load Limits

- Non-grooved LiftGuard Sling Protector working load limits are determined by the synthetic sling width. The Working Load Limit for Regular and Heavy-Duty Sling Protectors is 12,500 lbs. per inch of synthetic sling width when the protector is fully supported on the inside 90° surfaces. **DO NOT OVERLOAD.**

Compression Strength

- Maximum compressive strength is 12,500 psi. **DO NOT OVERLOAD.**
- If material starts to turn white or distort, the sling protector is being overloaded. Stop operations and inspect the protector. **DO NOT OVERLOAD.**

Environmental Conditions

- Operating Range is -20° Fahrenheit to 220° Fahrenheit
- Store out of sunlight.
- Avoid acid and alkali. Check with manufacturer if used in a chemical environment.

Inspection

- Inspect Sling Protectors **BEFORE** use.
- **DO NOT USE** if distortion, cracks, or other damage that would cause doubt as to the condition and strength of the sling protector are observed.
- Keep magnets clean and free of debris.

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When using **GROOVED** LiftGuard Sling Protectors, please note the following:

Rigging Practices - Grooved Sling Protectors

- The plate edge **MUST** contact the back of the groove and the plate top and bottom **MUST** fit snug in the groove with no more than 1/16" slack between the groove and the plate's top and bottom edges.
- **DO NOT USE** for turning or rolling operations.
- **Grooved LiftGuard Sling Protector** working loads limits are designated in the chart. **DO NOT OVERLOAD.**

Groove Width/Plate Thickness	Working Load Limit
.25" Groove width .25" Plate	3,125 lbs. per inch of synthetic sling width.
.5" Groove width .5" Plate	6,250 lbs. per inch of synthetic sling width.
.75" Groove width .75" Plate	9,375 lbs. per inch of synthetic sling width.
1" Groove width 1" Plate	12,500 lbs. per inch of synthetic sling width.
1.5" Groove width 1.5" Plate	18,750 lbs. per inch of synthetic sling width.
1.75" Groove width 1.75" Plate	21,875 lbs. per inch of synthetic sling width.
2" Groove width 2" Plate	25,000 lbs. per inch of synthetic sling width.
2.25" Groove width 2.25" Plate	28,125 lbs. per inch of synthetic sling width.
2.5" Groove width 2.5" Plate	31,250 lbs. per inch of synthetic sling width.
2.75" Groove width 2.75" Plate	34,375 lbs. per inch of synthetic sling width.
3" Groove width 3" Plate	37,500 lbs. per inch of synthetic sling width.

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