Magnetic Sling Protectors

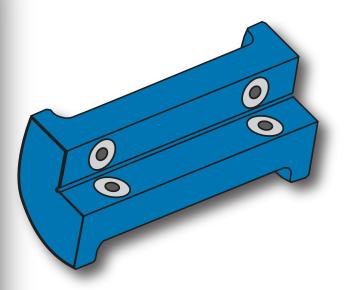
All slings, especially synthetic slings, can be damaged when lifting a load if they are not properly protected. Edge protection with sling use is critical in preventing a sling failure, and is a requirement in current sling safety standards. *Cut and damaged slings are the leading cause of most rigging related accidents.*

"Slings in contact with edges, corners, or protrusions should be protected with a material of sufficient strength, thickness, and construction to prevent damage to the sling" (ANSI/ASME B30.9-1.10.4)

"Slings shall be padded or protected from the sharp edges of their loads" OSHA 29CFR1910.184(c)(8)







Linton Rigging Gear Supply LLC 812-246-3515 www.lrgsupplies.com

These nylon protectors attach with strong magnets to the steel corner and keep the sling from contacting the load.

Made of solid nylon, these Magnetic Sling Protectors are only 1/7th the weight of steel, no tools are needed since magnets allow for quick and easy attachment and removal.

NOT Full Contact on both inside surfaces. Only 6,250 lbs per inch of web sling width

> FULL Contact on both inside surfaces.12,500 lbs per inch of web sling width

HEAVY DUTY

HALF ROUND

COIL CENTER

Regular style corner protectors withstand 12,500 lbs per inch ONLY if they have full contact between the steel and the corner protector. The example above shows an H beam with 0.500" flange thickness and a corner protector with a vertical face of 1.00"

REGULAR

This example demonstrates a 50% reduction because the H beam does not have full contact with the corner protector.

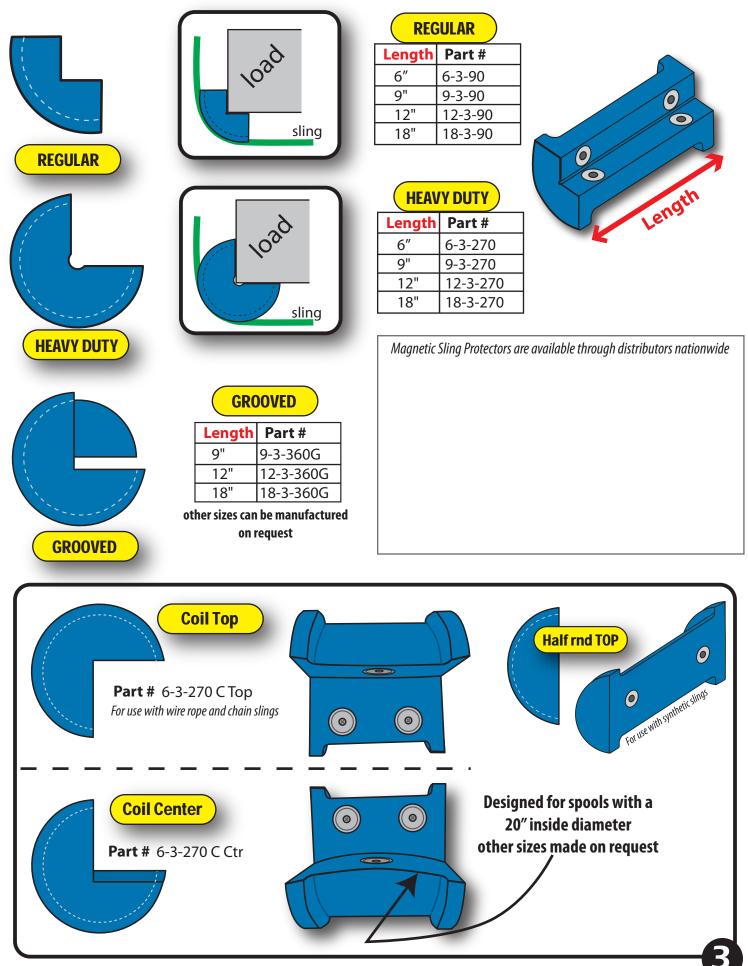


12,500 lbs per inch of web sling width only with FULL contact on inside surfaces



HEAVY DUTY Corner protectors in use

GROOVED



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Precautions for using Magnetic Sling Protectors

- 1 Do not use at temperatures over 220° F (104°C) or below 40°F (- 40°C)
- 2 Check with manufacturer if used in a chemical environment. Avoid acid and alkali.
- 3 Inspect BEFORE use -check for distortion, cracks or other damage that would cause doubt as to the strength of the sling protector.
- 4 Maximum compressive strength is 12,500 PSI DO NOT OVERLOAD.
- ⁵ The working load limit is 12,500 lbs per inch of synthetic sling width when fully supported on the inside 90° surfaces. DO NOT OVERLOAD.
- 6 When using wire rope, if material starts to turn white or distort, the sling protector is being overloaded. However, this is not always the case with synthetic slings. DO NOT OVERLOAD.
- 7 Keep magnets clean and free of debris.
- 8 Always use good rigging practices and follow federal, state and local regulations.
- 9 User must be trained in good rigging practices and procedures before using this product.
- 10 Sling protector may fail if damaged, misused, or overloaded.
- 11 Store in an area where they will not be subjected to mechanical damage, corrosive action, extreme temperatures, or exposure to ultraviolet light.
- 12 Avoid shock loading. Stand clear of lifted loads and slings under tension.
- 13 Do not bridge gaps with the corner protectors.
- 14 Check slings, sling protectors, and sling position on sling protector as load is being applied and before lifting more than a few inches.
- 15 Load must be rigged in a manner that will provide load control and stability.
- 16 Sling must be held in the center of the sling protector.
- 17 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.
- 18 Slings should be vertical or 90° to horizontal when possible. The farther away from vertical the slings are, the greater the likelihood the slings and sling protectors will slide into the center of the load and the load lost.
- 19 The further 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.
- 20 Injury or death may occur from improper use.

