

ALLOY CHAIN SLINGS

AT A GLANCE

WHAT IS AN ALLOY CHAIN SLING?

When it comes to toughness and dependability, alloy chain slings are the bulldogs of lifting slings. Chain slings can be used to lift very heavy and bulky loads on a regular or repetitive basis. Their flexible design provides strength and durability so they can withstand impact, extreme temperatures, and exposure to chemicals and UV rays.

APPLICATIONS

Chain slings are preferred in high-temperature applications and for lifting heavy-duty loads. Their strength and durability allow them to be used in foundries, steel mills, heavy machine shops, etc.

CONFIGURATIONS

Chain slings can be configured in single-leg, 2-leg, 3-leg, and 4-leg designs. They can be configured for use in vertical, choker, or basket hitches and a variety of different sling hooks, lengths of chain, and master links can be used to create different sling assemblies for different applications.

Only grade 80, Grade 100, and Grade 120 alloy should be used for overhead lifts.



*Two-Leg
Chain Sling
Assembly*



*Four Leg
Chain Sling
Assembly*

ADVANTAGES

- High-strength, durable, and flexible design holds up in the harshest operating environments
- Completely repairable by replacing individual chain links or link segments
- Chain slings are easy to inspect, proof-test, and re-certify in the event they are repaired
- Can be used at relatively high temperatures and in hazardous environments
- Resistant to corrosion, chemicals, and UV exposure
- Not affected by dirt, oil, or grease
- Will elongate 15-20% when overloaded to give a visual indicator that they have been overloaded and need to be destroyed and removed from service

DISADVANTAGES

- Very heavy – the higher the W.L.L. is, the heavier the chain will be
- Can be more expensive than wire rope or synthetic slings
- Can easily damage or crush sensitive or finished parts



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