SAFETY

Alloy steel chain sling inspection checklist

The daily check of each chain sling before use and the thorough periodic inspection OSHA requires at least every 12 months, with the record of the month each sling was last inspected.

How often: **Each day before use; thorough inspection at least every 12 months** Who: **Competent person designated by the employer**

About 5 min **19 items**

Site or area _____ Asset or line _____

Date and time _____ Completed by _____

Before you use it

- OSHA 29 CFR 1910.184(d) requires each sling and all fastenings and attachments to be inspected for damage or defects each day before use by a competent person designated by the employer, with additional inspections during use where service conditions warrant. Damaged or defective slings are removed from service immediately.
- For alloy steel chain slings, 1910.184(e)(3) adds a thorough periodic inspection on a regular basis set by the frequency of use, the severity of service conditions, the nature of the lifts and experience with similar slings, and in no event at intervals greater than once every 12 months. The employer makes and maintains a record of the most recent month in which each sling was thoroughly inspected and makes it available for examination. The thorough inspection covers wear, defective welds, deformation and increase in length.
- A sling comes out of service when the chain size at any point of a link is less than the minimum in Table N-184-1, when a hook is cracked, opened more than 15 percent of its normal throat opening or twisted more than 10 degrees from the plane of the unbent hook, or when a master link, coupling link or other component is cracked or deformed (1910.184(e)(8) and (e)(9)). A sling heated above 1000 °F is removed permanently (1910.184(e)(6)).
- Each sling carries permanently affixed durable identification stating size, grade, rated capacity and reach (1910.184(e)(1)); makeshift links or fasteners formed from bolts or rods are not used (1910.184(e)(2)); and the proof-test certificate for each new, repaired or reconditioned sling is retained (1910.184(e)(4)). Add the manufacturer's inspection criteria for your grade of chain.

Sling

NO.	ITEM	RESULT	NOTES
1	**Scan the sling tag**	☐ Visited	
2	**Inspection type**	☐ Daily check before use ☐ Thorough periodic inspection	
3	**Identification tag permanently affixed and legible: size, grade, rated capacity and reach**	☐ Pass ☐ Fail ☐ N/A	
4	**Sling identification as marked**	_____	
5	**Month of the last thorough inspection on record**	_____	

Chain

NO.	ITEM	RESULT	NOTES
6	**Links free of nicks, gouges, cracks and defective welds**	☐ Pass ☐ Fail ☐ N/A	

NO.	ITEM	RESULT	NOTES
7	**No stretched or elongated links; reach matches the identification**	☐ Pass ☐ Fail ☐ N/A	
8	**No bent, twisted or kinked links**	☐ Pass ☐ Fail ☐ N/A	
9	**Chain size at the most worn point of a link** Remove from service if less than the minimum allowable size in Table N-184-1 for the chain size.	_____ inches Limit _____	
10	**No heat damage, discoloration or weld spatter**	☐ Pass ☐ Fail ☐ N/A	
11	**No excessive corrosion or pitting**	☐ Pass ☐ Fail ☐ N/A	

Hooks and attachments

NO.	ITEM	RESULT	NOTES
12	**Hooks not cracked, throat opening not spread more than 15 percent, not twisted more than 10 degrees**	☐ Pass ☐ Fail ☐ N/A	
13	**Hook latches, where fitted, close and hold**	☐ Pass ☐ Fail ☐ N/A	
14	**Master links, coupling links and rings not cracked, deformed or worn**	☐ Pass ☐ Fail ☐ N/A	
15	**Attachments rated at least equal to the chain; no makeshift links, bolts or rods**	☐ Pass ☐ Fail ☐ N/A	

Result

NO.	ITEM	RESULT	NOTES
16	**Result**	☐ Fit for use ☐ Removed from service	
17	**Photo of any defect**	☐ Photo taken	
18	**Record updated with the month of this thorough inspection**	☐ Pass ☐ Fail ☐ N/A	
19	**Competent person**	Name _____ Signature _____ Date _____	

Follow-up

For each failed check or reading out of limit: what was found, what was done, and the work order raised for it.

NO.	WHAT WAS FOUND	ACTION OR WORK ORDER	OWNER	DUE

References

- OSHA 29 CFR 1910.184, slings
  https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.184

Free to use and adapt. To run it on mobile, with checkpoint scans, readings checked against their limits as they are entered, and photos and signatures attached to the check, see vardian.io/templates/chain-sling-inspection-checklist.