SAFETY

Synthetic web sling inspection checklist

The daily check of each nylon, polyester or polypropylene web sling before use, against the removal-from-service conditions in OSHA 1910.184(i)(9): acid or caustic burns, melting or charring, snags, punctures, tears or cuts, broken or worn stitches, and distorted fittings.

How often: **Each day before use, and during use where service conditions warrant** Who: **Competent person designated by the employer**

About 5 min **18 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.
- Under 1910.184(i)(9), a synthetic web sling is removed from service immediately for acid or caustic burns; melting or charring of any part of the sling surface; snags, punctures, tears or cuts; broken or worn stitches; or distortion of fittings. A repaired sling is used only if a sling manufacturer or equivalent entity repaired it and proof tested it to twice the rated capacity, with the certificate retained, and slings repaired in a temporary manner are not used (1910.184(i)(8)).
- Each sling is marked or coded with its rated capacities for each type of hitch and its web material (1910.184(i)(1)). Nylon slings are not used where acids or phenolics are present, and polyester or polypropylene slings, or slings with aluminum fittings, not where caustics are present (1910.184(i)(6)); polyester and nylon slings are not used above 180 °F, and polypropylene above 200 °F (1910.184(i)(7)). Add the sling manufacturer's criteria.

Sling

NO.	ITEM	RESULT	NOTES
1	**Scan the sling tag**	☐ Visited	
2	**Marking or code legible: rated capacity for each type of hitch and the web material**	☐ Pass ☐ Fail ☐ N/A	
3	**Sling identification as marked**	_____	
4	**Web material**	☐ Nylon ☐ Polyester ☐ Polypropylene	

Webbing and stitching

NO.	ITEM	RESULT	NOTES
5	**No acid or caustic burns**	☐ Pass ☐ Fail ☐ N/A	
6	**No melting or charring of any part of the sling surface**	☐ Pass ☐ Fail ☐ N/A	
7	**No snags, punctures, tears or cuts**	☐ Pass ☐ Fail ☐ N/A	
8	**Uniform thickness and width; selvage edges not split**	☐ Pass ☐ Fail ☐ N/A	

NO.	ITEM	RESULT	NOTES
9	**No broken or worn stitches at the eyes or end fittings**	☐ Pass ☐ Fail ☐ N/A	
10	**No temporary repairs**	☐ Pass ☐ Fail ☐ N/A	

Fittings

NO.	ITEM	RESULT	NOTES
11	**Fittings not distorted**	☐ Pass ☐ Fail ☐ N/A	
12	**Fittings free of sharp edges that could damage the webbing**	☐ Pass ☐ Fail ☐ N/A	

Conditions of use

NO.	ITEM	RESULT	NOTES
13	**Chemicals in the work area suit the web material and fittings**	☐ Pass ☐ Fail ☐ N/A	
14	**Expected temperature at the load** Polyester and nylon slings: not above 180 °F. Polypropylene slings: not above 200 °F.	_____ °F Limit _____	
15	**Sharp edges of the load padded or protected**	☐ 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	**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/synthetic-web-sling-inspection-checklist.