

Single & Multi Leg Chain Sling – Check Sheet

STATUS	Final / On Hire		Off-Hire		Stock Transfer		Thorough Examination		Job sheet	DATE
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PLANT NUMBER		MAKE		DESCRIPTION / TYPE
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THESE INSTRUCTIONS SHOULD BE FOLLOWED WHEN CHECKING EQUIPMENT

Before any inspection, the chain sling should be cleaned. Wearing appropriate PPE remove any twists present. Where possible suspend the chain. The chain must be laid out on a flat surface with any twists and kinks removed, secure the master ring to allow the chain legs to be pulled taut for measuring. (This may require two people)

Wear & Stretch

Do not confuse wear with stretch: When measuring chain slings any components showing signs stretch must be withdrawn from service.

Wear is damage as the result of friction, allowed at 5% critical areas and 10% none critical areas. Chain link wear is allowed at 10%

- Check the chain data tag. It must have the number of legs/diameter, W.L.L, Geometry Arrangement Configurations, CE marking, I.D Number and Grade Mark.
- Inspect the Master Link and any sub links, couplers & shorteners, and for signs of stretching, cuts, nicks, gouges, weld splatter damage, cracks, pitting corrosion, discolouration or any other defect apparent to the chain or fittings. Examine all bearing points for wear. Also pay particular attention for any chemical attack such as with acid and alkalis that may have occurred.
- All Hooks should be examined for the above defects also checking for excessive throat opening. Where fitted, safety catches should be undamaged and operate freely. Check all safety catches are effective paying special attention to the back of the catch including the pin, spring and the area where the pin passes through the catch. All hooks are subject too wear, the gap between the hook tip and the latch should be checked in the closed position for excessive clearance at the contact point. See table below for specification. Gunnebo hooks are also susceptible to side play of the latch see tolerances below. Measure and record all.
- Make a link-by-link-component inspection. Examine for worn, stretched, bent, cracked or twisted links. Multi-leg chain slings are particularly prone to stretch and distortion through misuse or overloading to individual legs. Unless the sling is specifically designed otherwise, the legs of multi-leg slings should be of equal length.
- Measure and record the chain length between the load/bearing points on the master ring and safety hook; this is essential in identifying stretch or wear.

Hackett	
Chain dimension	Hook Clearance
7-8mm	4mm
10mm	5mm
13mm	6mm
16mm	7mm
20mm	8mm

Gunnebo	
Chain dimension	Hook Clearance
7mm	2.7mm
10mm	3.2mm
13mm	3.7mm

Crosby	
Chain dimension	Hook Clearance
13mm	1.5

Gunnebo side play	
Chain	Play
7-8mm	4.5mm
10mm	6mm
13mm	7mm

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	O K	R	COMMENTS
Chain data Tag as described on page one			
General appearance & cleanliness of sling			
Condition of Master link all sub links, couplers & shorteners			
Hook condition, clearance as stated on page one (Use table below), and condition of safety catches.			Record hook clearance below
Side play for Gunnebo hooks only.			Record any play below
Condition of chains			
Entered on computer system			The results of all off hire inspections must be entered onto the computer system.

Record all dimensions in mm. Chain Leg length is bearing point to bearing point Inc. components.

Reach of Chain leg 1	Reach of Chain leg 2	Reach of Chain leg 3	Reach of Chain leg 4
Hook 1	Hook 2	Hook 3	Hook 4
Side 1 Play	Side 2 Play	Side 3 Play	Side 4 Play

Note: Record N/A as applicable for multi leg chain slings. All must be values not range.

DATE:

TIME:

INSPECTED BY – PRINT NAME	SIGN
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Store chain slings clean, dry. Do not lubricate chain links
Only lubricate swivel points using light oil etc.