MARTEC Chain Sling Inspection Standard

Chain slings shall be inspected $daily^{(1)}$ and periodically⁽²⁾ as specified in Table 2.

- (1) Inspection to be carried out before use.
- (2) Inspection to be carried out on a regular basis depending on the frequency of use, but in principle shall be performed once a month.

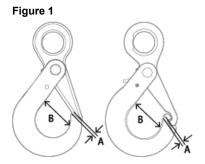
Table 2: Inspection Standard

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lmama ati ana itana	Inspection Type		Inapaction Mathed	Inspection Criteria					
Inspection Items	Daily	Periodic	Inspection Method	Inspection Criteria					
COMPLETE CHAIN SLING	G								
Working Load Limit (WLL)	0	0	Visual check	Confirm the WLL on the tag attached to the chain sling.					
Assembly condition	0	0	Visual check	All parts shall be properly assembled, no loose fastenings.					
CHAIN									
Elongation of			Measurement	If elongation exceeds 5% of the original dimensions, the chain shall not					
5 chain links		0	weasurement	be used. Prepare a dimension table before use.					
Chain link wear	0		Visual check	If diameter wear exceeds 10% of the original dimension, the chain shall					
		0	Measurement	not be used.					
Chain link bent	0		Visual check	If link bent exceeds 10% of the original dimension, the chain shall not be					
Chain link bent		0	Measurement	used.					
Chain link twists	0	0	Visual check	Chain with twisted links shall not be used.					
Scratches, other		0	Visual check, magnetic						
harmful defects	0		particle test ⁽³⁾ or	The chain shall be free from scratches, cracks and other harmful defects.					
			penetration test ⁽⁴⁾						
Corrosion	0	0	Visual check	The chain shall be free from significant rust.					
MASTER LINKS, INTERM	1	INKS							
Deformation	0		Visual check	If horizontal or vertical deformation exceeds 5% of the original dimensions,					
		0	Measurement	the link shall not be used. Prepare a dimension table before use.					
Wear	0		Visual check	If wear exceeds 10% of the original dimensions, the link shall not be					
		0	Measurement	used.					
Scratches, other harmful defects	0	0	Visual check, magnetic particle test ⁽³⁾ or	The link shall be free from coretables, greeks and other harmful defeats					
			penetration test ⁽⁴⁾	The link shall be free from scratches, cracks and other harmful defects.					
Corrosion	0	0	Visual check	The link shall be free from significant rust.					
HOOKS			Vioual official	The link drial be need from dignillocality rust.					
Tioons	0		Visual check	There shall be no deformation compared to the original B dimension (see					
Hook opening		0	Measurement	Figure 1). Prepare a dimension table before use.					
Deformation	0	0	Visual check	The hook shall be free from bents or twists.					
Bolomadon	0	0	Visual check,	The latch shall be free from significant wear, show no deformation and					
Latch			manual check	shall move properly.					
Latch gap (locking		0	Visual check	Hooks with a gap between hook and latch tip exceeding dimension A in					
hooks BK, OBK)	0		Caliper measurement	Table 2b shall not be used.					
Wear, corrosion	0	0	Visual check	Hooks with severe wear or corrosion shall not be used.					
Rotation (swivel hook)	0	0	Manual check	The hook shall rotate smoothly					
,		-	Visual check, magnetic	,					
Scratches, other	0	0	particle test ⁽³⁾ or	The hook shall be free from scratches, cracks and other harmful defects.					
harmful defects	<u> </u>		penetration test ⁽⁴⁾						
CONNECTING ITEMS, CO	DUPLINGS	3							
Deformation	0	0	Visual check	The item shall be free from deformation.					
Wear, corrosion	0	0	Visual check	Items with severe wear or corrosion shall not be used.					
Scratches, other	_		Visual check, magnetic						
harmful defects	0	0	particle test ⁽³⁾ or	The item shall be free from scratches, cracks and other harmful defects.					
			penetration test ⁽⁴⁾	Counting wine shall not be lesse					
Pin looseness	0	0	Visual check	Coupling pins shall not be loose.					

- (3) According to JIS G 0565 (Methods of magnetic particle inspection for steel materials and classification of defective magnetic particle patterns).
- (4) According to JIS Z 2343 (Methods of penetrant inspection and classification of defective indication patterns).

Table 2b

TUDIC ED				
Hook Size	Dimension A (mm)			
BK/OBK-6	2.2			
BK/OBK-7/8	2.7			
BK/OBK-10	3			
BK/OBK-13	3.3			
BK/OBK-16	4			
BK/OBK-18/20	5.5			
BK/OBK-22	6			
BK-26	6.5			
BK-28	7			
BK-32	7			



MARTEC Chain Sling Inspection Standard

Inspection Control Sheet

Sling Name / Code:	
Registration No.:	Work Manager:
Start Date of Use:	Safety Manager:

D . (1	Inspection Results					
Part	Inspection Item	Date	Check	Date	Check	Date	Check
Complete Sling	Working Load Limit (WLL)						
	Assembly condition						
Chain	Elongation of 5 chain links						
	Chain link wear						
	Chain link bent						
	Chain link twists						
	Scratches, other defects						
	Corrosion						
	Deformation						
Master Links,	Wear						
Intermediate Links	Scratches, other defects						
	Corrosion						
	Hook opening						
	Deformation						
Hooks	Latch						
	Latch gap (BK, OBK)						
	Wear, corrosion						
	Rotation (swivel hook)						
	Scratches, other defects						
Connecting Items, Couplings	Deformation						
	Wear, corrosion						
	Scratches, other defects						
	Pin looseness						

Notes:



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