



Makkee Hardware & Machinery (shanghai)CO., Ltd
麦记五金机械（上海）有限公司

Certificate For Offshore Container Lifting Slings

Certificate No.: MKS-19-0076-1

Manufacturer: Makkee Hardware & Machinery (shanghai)CO., Ltd		Address: 99, Jimei Road, Minghang District, Shanghai, China		
Det Norske Veritas Type Approval No.: TAS00000NB		Type designation: Lifting Slings for Offshore Containers		
Working Load Limit (WLL) 18 tonnes	Angle of legs (to vertical): 0-45°	Diameter of sling legs : 30 MM IWR		Length of legs: 8.4 M
Description of the sling: 4-legs Wire Rope Lifting Sling without Forerunner		Identification number or mark: Slings No.: MS190151 Shackles No.: MS190151(A-D)		
Reference standard: DNVGL-ST-E271 , EN 13414-1		Grade of wire rope: 1960 N/mm ²		Grade of terminal fittings: Turnback Eye with Thimble
Test carried out on sling:		Test report No.:		Test load:
Proof Load Test		PT-218010434A-1-30MM		227KN
Breaking Load Test		BL-218010434A-1-30MM		708.82KN
Lifting set components (Shackles to be included only if assembly secured).				
Description:	Supplier / manufacturer:	Specification:	Identification mark:	DNV Cert. No.:
Quad Assemblies	Gunnebo Industrier AB	MA38OF, W.L.L.: 28.1tonnes	4T-4P	TAS0000048
Wire Ropes	Jiangsu Langshan Wire Rope Co., Ltd	GAL.6X36,30MM	218010434A-1-30MM	AMMM000022G
Shackles	Van Beest BV	G4163, W.L.L.: 12tonnes	AK-AZ	TAS000011V
The lifting set has been designed, approved and tested in accordance with DNVGL Certification Notes No. DNVGL-ST-E271 "2.7-1 Offshore Containers"				
The sling also conforms to the following standard (s): EN ISO 10855-2				
Remarks: "MKS-19-0076-1" was stamped on the back of the identification tag for each lifting set. 202.18KG in mass per piece. Td=-20°C.				
This certificate is based on DNVGL type approval no. TAS00000NB				
Date: 12 April 2019 Place: Shanghai		 Duffy Chou (QA Manager) Makkee Hardware & Machinery (shanghai)CO., Ltd		

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