



DNV

DET NORSKE VERITAS

TYPE EXAMINATION CERTIFICATE

CERTIFICATE NO. S-6088
This Certificate consists of 4 pages


This is to certify that the
Loose Gear
with type designation(s)
Chain/Anchor Shackles

Manufactured by
YOKE INDUSTRIAL CORP.
Taichung, Taiwan

is found to comply with
Det Norske Veritas' Rules for Certification of Lifting Appliances

Application
For use as shackles in lifting slings with corresponding rating of lifting chains/wire rope in accordance with Federal Specification RR-C-271D, Type 4B, Grade B, Class 2.

Place and date
Høvik, 2010-02-12
for DET NORSKE VERITAS AS


Per Arild Åland
Head of Section

Local Office
Kaohsiung

This Certificate is valid until
2014-06-30


Ole-Henrik Andressen
Surveyor



Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Examination Certificate and not to the approval of equipment/systems installed.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



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File No.: 686.70
262.1-008893-1

Product description

Gr.8 Chain Shackle, "KM", with screw pin:

<u>Art. No.</u>	<u>Working Load Limit</u> Ton	<u>Proof Test Load</u> Ton	<u>Breaking Test Load</u> Ton
8-804-08	1.2	2.4	5.4
8-804-10	2.0	4.0	9.0
8-804-11	2.6	5.2	11.7
8-804-13	3.4	6.8	15.3
8-804-16	5.0	10.0	22.5
8-804-19	7.0	14.0	31.5
8-804-22	9.5	19.0	42.75
8-804-26	12.5	25.0	56.25
8-804-28	15.0	30.0	67.5
8-804-32	18.0	36.0	81.0
8-804-36	21.0	42.0	94.5

Gr.8 Anchor Shackle, "KH", with screw pin:

<u>Art. No.</u>	<u>Working Load Limit</u> Ton	<u>Proof Test Load</u> Ton	<u>Breaking Test Load</u> Ton
8-807-08	1.2	2.4	5.4
8-807-10	2.0	4.0	9.0
8-807-11	2.6	5.2	11.7
8-807-13	3.4	6.8	15.3
8-807-16	5.0	10.0	22.5
8-807-19	7.0	14.0	31.5
8-807-22	9.5	19.0	42.75
8-807-26	12.5	25.0	56.25
8-807-28	15.0	30.0	67.5
8-807-32	18.0	36.0	81.0
8-807-36	21.0	42.0	94.5

Application/Limitation

- Extent of quality testing shall be in accordance with section 4 of Federal Specification RR-C-271D

Type Approval documentation



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Type approved drawings (stamped 12 Feb 2010)

Chain Shackle "KM" with screw pin.			
Articel No.	YOKE Drawing no.	Rev.	
8-804-08	YK8804-08A	B	YK8804-19B-A C
	YK8804-08B-M	K	YK8804-19P-T D
	YK8804-08B-A	D	YK8804-19P-M G
	YK8804-08P-T	C	8-804-22 YK8804-22A B
	YK8804-08P	E	YK8804-22B-A E
8-804-10	YK8804-10A	B	YK8804-22P-T C
	YK8804-10P-T	C	YK8804-22P-M I
	YK8804-10P	I	8-804-26 YK8804-22B-M J
	YK8804-10B-M	E	YK8804-26A B
	YK8804-10B-A	C	YK8804-26B-A C
8-804-11	YK8804-11A	B	YK8404-26B-M J
	YK8804-11B-A	B	YK8804-26P-T H
	YK8804-11P-T	D	8-804-28 YK8804-26P-M J
	YK8804-11P-M	D	YK8804-28A B
	YK8804-11B-M	M	YK8804-28B-M J
8-804-13	YK8804-13A	B	YK8804-28P H
	YK8804-13B-A	E	YK8804-28B-A C
	YK8804-13P-T	C	8-804-32 YK8804-28P-T C
	YK8804-13B-M	J	YK8804-32A B
	YK8804-13P-M	D	YK8804-32P-T H
8-804-16	YK8804-16A	B	YK8804-32P-M H
	YK8804-16P-T	C	YK8804-32B-M J
	YK8804-16P-M	H	8-804-36 YK8804-32B-A E
	YK8804-16B-M	J	YK8804-36A B
	YK8804-16B-A	E	YK8804-36B-M J
8-804-19	YK8804-19A	B	YK8804-36B-A E
	YK8804-19B-M	J	YK8804-36P-T C
			YK8804-36P-M E
Anchor Shackle "KH" with screw pin.			
Articel No.	YOKE Drawing no.	Rev.	
8-807-08	YK8807-08A	B	8-807-16 YK8807-13B-A A
	YK8807-08B-A	A	YK8807-16A B
	YK8807-08B-M	H	YK8807-16B-M I
	YK8804-08P	E	YK8807-16B-A E
8-807-10	YK8807-10A	B	8-807-19 YK8804-16P-M H
	YK8804-10P	I	YK8807-19A B
	YK8807-10B-M	K	YK8804-19P-M F
	YK8807-10B-A	E	YK8807-19B-M J
8-807-11	YK8807-11A	B	8-807-22 YK8807-19B-A F
	YK8804-11P-M	D	YK8807-22A B
	YK8807-11B-M	K	YK8807-22B-A D
	YK8807-11B-A	D	YK8804-22P-M I
8-807-13	YK8807-13A	B	8-807-28 YK8807-22B-M I
	YK8807-13B-M	K	YK8807-28A B
	YK8804-13P-M	D	YK8807-28B-M E
			YK8807-28B-A D
			YK8804-28P H

Oh



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8-807-32	YK8807-32A	B	8-807-36	YK8807-36B-M	I
	YK8804-32P-M	H		YK8807-36B-A	E
	YK8807-32B-M	J		YK8807-36A	B
	YK8807-32B-A	F			

- Retention survey Report dated 2009-11-18

Tests carried out

- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 06061904 dated 2006/06/19. Product Code: 8-804-D10
- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 06033107 dated 2006/06/19. Product Code: 8-807-D19
- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 06061903 dated 2006/06/19. Product Code: 8-807-26B
- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 01051403 dated 2001/05/14. Product Code: 8-034-D26
- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 01051503 dated 2001/05/15. Product Code: 8-034-D26
- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 01051404 dated 2001/05/14. Product Code: 8-037-D26
- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 01051503 dated 2001/05/16. Product Code: 8-037-D26.
- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 09111803 dated 2009/11/18. Product Code: 8-804-19.
- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 09111804 dated 2009/11/18. Product Code: 8-807-16.
- Yoke Industrial Corp. (Mechanical Property Testing Laboratory) Report No. 09111805 dated 2009/11/18. Product Code: 8-807-22.

Marking of product

Each shackle body to be permanently and legibly marked according to section 3.5.3.1.6 of Federal Specification RR-C-271D

END OF CERTIFICATE