

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Chain, shackles, swivels, sockets

with type designation(s)
Chain / anchor shackles

Issued to

Yoke Industrial Corp.
Taichung, Taiwan

is found to comply with
DNV GL standard DNVGL-ST-0378 – Standard for offshore and platform lifting appliances

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2021-12-11**.

Issued at **Høvik** on **2016-12-12**

DNV GL local station: **Kaohsiung**

Approval Engineer: **Antonio Sendin Alvarez**

for **DNV GL**

.....
Aldo Matteucci
Head of Section

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 Approval Certificate and not to the approval of equipment/systems installed.

Job Id:
Certificate No: **TAS00000TZ**

Product description

Anchor shackle "AX" with bolt pin:

Art. No.	Working Load Limit (Ton)	Proof Test Load (Ton)	Breaking Test Load (Ton)
8-838-16	3,25	6,5	19,5
8-838-19	4,75	9,5	28,5
8-838-22	6,5	13,0	39,0
8-838-26	8,5	17,0	51,0
8-838-28	9,5	19,0	57,0
8-838-32	12,0	24,0	72,0
8-838-36	13,5	27,0	81,0
8-838-38	17,0	34,0	102,0

Anchor shackle "KH" with bolt pin:

Art. No.	Working Load Limit (Ton)	Proof Test Load (Ton)	Breaking Test Load (Ton)
8-808-16	5,0	10,0	27,0
8-808-19	7,0	14,0	37,8
8-808-22	9,5	19,0	51,3
8-808-26	12,5	25,0	67,5
8-808-28	15,5	31,0	83,7
8-808-32	18,0	36,0	97,2
8-808-36	21,0	42,0	113,4
8-808-38	30,0	60,0	162,0

Application/Limitation

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

Type Approval documentation

[illegible]

Job Id:
Certificate No: **TAS00000TZ**

Tests carried out

- Yoke Industrial Corp. (Mechanical Property Testing laboratory) Report No. 07121410 dated 2007/12/14. Product Code: 8-838-16.
- Yoke Industrial Corp. (Mechanical Property Testing laboratory) Report No. 07121411 dated 2007/12/14. Product Code: 8-838-26.
- Yoke Industrial Corp. (Mechanical Property Testing laboratory) Report No. 07121412 dated 2007/12/14. Product Code: 8-838-38
- Yoke Industrial Corp. (Mechanical Property Testing laboratory) Report No. 07121407 dated 2007/12/14. Product Code: 8-808-16
- Yoke Industrial Corp. (Mechanical Property Testing laboratory) Report No. 07121408 dated 2007/12/14. Product Code: 8-808-26
- Yoke Industrial Corp. (Mechanical Property Testing laboratory) Report No. 07121409 dated 2007/12/14. Product Code: 8-808-38

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-271F.

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform a survey every second year and before expire date of this certificate to verify that the conditions of the type approval are complied with.

END OF CERTIFICATE