



# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAS00002SX**  
Revision No:  
**1**

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## This is to certify:

that the **Lifting Gear**

with type designation(s)

**Masterlinks, "B-løkker standard" and Quad Assemblies, "Løftehoder st**

issued to

**Nøsted & AS**  
**Sannidal, Norway**

is found to comply with

**EN 1677-4 Components for slings – Safety – Part 4: Links, Grade 8**

## Application:

**Grade 8 Links for use in lifting sets with corresponding rating of lifting chains/wire ropes**

Issued at **Høvik** on **2025-12-05**

This Certificate is valid until **2030-12-04**.

for **DNV**

DNV local unit: **Sandefjord**

Approval Engineer: **Igor Antonijevic**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

## Product description

Grade 8 Links for use in lifting sets with corresponding rating of lifting chains/wire ropes.

This type approval certificate replaces previous revision of TAS00002SX.

The following Masterlinks "B-løkker, Standard", and Quad Assemblies "Løftehoder, Standard" are covered by this type approval:

### Masterlinks

Type	Nominal size [mm]	WLL [t]	MPF [kN]	BF* [kN]
13.B.5	13	2.7	66.2	132.4
13.B.6	13	2.7	66.2	132.4
16.B.6	16	4.1	100.5	201.0
16.B.7	16	3.2	78.5	156.9
20.B.6	20	6.7	164.3	328.5
20.B.7	20	6.5	159.4	318.7
22.B.6	22	8.2	201.0	402.1
22.B.7	22	7.2	176.5	353.0
22.B.8	22	5.8	142.2	284.4
25.B.6	25	10.7	262.3	524.7
25.B.7	25	8.8	215.8	431.6
28.B.6	28	12.9	316.3	632.5
28.B.7	28	11.8	289.3	578.6
32.B.6	32	17.1	419.2	838.5
38.B.6	38	28.1	688.9	1377.8
38.B.7	38	19.1	468.3	936.5
45.B.6	45	38.3	939.0	1878.0
45.B.7	45	27.6	676.7	1353.3
50.B.6	50	45.0	1103.6	2206.5
60.B.6	60	65.3	1600.9	3201.9
70.B.6	70	84.4	2069.2	4138.4

\*) Breaking force is based on safety factor 5.

### Quad Assemblies

Type	WLL [t]	MPF [kN]	BF* [kN]	Master Link Type	Intermediate Link Type
Q.16.B	4.1	100.5	201.0	16.B.6	13.B.5
Q.20.B	6.5	159.4	318.7	20.B.7	16.B.6
Q.22.B.8	5.8	142.2	284.4	22.B.8	16.B.6
Q.22.B	8.2	201.0	402.1	22.B.6	20.B.6
Q.25.B	10.7	262.3	524.7	25.B.6	20.B.6
Q.28.B	12.9	316.3	632.5	28.B.6	22.B.6
Q.32.B	17.1	419.2	838.5	32.B.6	25.B.6
Q.38.B	28.1	688.9	1377.8	38.B.6	32.B.6
Q.45.B	38.3	939.0	1878.0	45.B.6	38.B.6
Q.50.B	45.0	1103.2	2206.5	50.B.6	38.B.6
Q.60.B	65.3	1600.9	3201.9	60.B.6	50.B.6
Q.70.B	84.4	2069.2	4138.4	70.B.6	60.B.6

\*) Breaking force is based on safety factor 5.

## Application/Limitation

All materials are to be delivered with 3.1 certificates (EN 10204:2004), documenting mechanical properties and chemical composition in accordance with the type approval documentation. Materials used in the fabrication of these master links and quad assemblies shall comply with EN 1677-4.

This Type Approval covers design(s) only. i.e. the Type Approval is not valid for the final product but may be used as basis for obtaining a product certificate.

If a DNV product certificate is required, the manufacturer is required to have a DNV surveyor witness all important production and tests required. Based on this witnessing the surveyor shall personally stamp the units, sign the reports and issue necessary certificates.

This Type Approval does not cover Lifting Sets for Offshore Containers.

## Type Approval documentation

### Tests carried out

Testing shall be carried out in accordance with EN 1677-4.

### Marking of product

Each link shall be marked in accordance with EN 1677-4 clause 7.

### Periodical assessment

For retention of type approval, a DNV GL surveyor shall perform periodical assessment after two years and after 3.5 years, to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>