



DET NORSKE VERITAS

TYPE EXAMINATION CERTIFICATE

CERTIFICATE NO. **S-7981**

This is to certify that the
Bollards

with type designation(s)

Bollards

Manufactured by

Varde AS
KRISTIANSUND N, Norway

is found to comply with
NS 2584 Bollards

Application

Bollards, maximum loads and variants given in table below.

	Load (kN)	Load (kN)		Load (kN)	Load (kN)
Nominal size	When mooring	When towing	Nominal size	When mooring	When towing
125	45	130	400	280	740
160	55	155	500	510	1300
200	100	285	630	615	1550
250	130	365	710	815	2150
315	205	540			

This Certificate is valid until **2018-06-30**.

Issued at **Høvik** on **2014-04-02**

DNV local station: **Kristiansund N**

Approval Engineer: **Finn-Roger Sørland**

for **Det Norske Veritas AS**

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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 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.

Tests carried out

The manufacturer is required to have a DNV surveyor witnessing all important production and tests (NDT) as required.

Marking of product

For traceability purposes the Bollards is to be marked with the manufacturer's name or trademark and type number identification.

Periodical assessment

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

END OF CERTIFICATE