

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE0000517
Revision No:
1

This is to certify:

that the **Cable Ties**

with type designation(s)
TORK Standard Nylon cable ties,
TORK Releasable cable ties

issued to

Tork Baglanti Elemanlari Sanayi ve Ticaret Anonim Sirketi
Dilovasi, Kocaeli, Türkiye

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Type	Material	Suitable for open deck
TORK Standard Nylon cable ties	Plastic	No
TORK Releasable cable ties	Plastic	No

Issued at **Høvik** on **2025-02-17**

This Certificate is valid until **2030-02-16**.

DNV local unit: **Istanbul**

Approval Engineer: **Ivar Bull**



for **DNV**

This document has been digitally signed and will therefore not have handwritten signature

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

TORK Standard Nylon cable ties

Type (White)	Type (Black)	Dimensions (mm)		Declared Tensile (N)	Min to Max working Temperature
		W	L		
TRK-100-25W	TRK-100-25B	2.5	100	80	-40 to +85 °C
TRK-150-25W	TRK-150-25B	2.5	150	80	-40 to +85 °C
TRK-200-25W	TRK-200-25B	2.5	200	80	-40 to +85 °C
TRK-100-36W	TRK-100-36B	3.5	100	180	-40 to +85 °C
TRK-140-36W	TRK-140-36B	3.5	140	180	-40 to +85 °C
TRK-200-36W	TRK-200-36B	3.5	200	180	-40 to +85 °C
TRK-250-36W	TRK-250-36B	3.5	250	180	-40 to +85 °C
TRK-280-36W	TRK-280-36B	3.5	280	180	-40 to +85 °C
TRK-300-36W	TRK-300-36B	3.5	300	180	-40 to +85 °C
TRK-370-36W	TRK-370-36B	3.5	370	180	-40 to +85 °C
TRK-200-48W	TRK-200-48B	4.5	200	220	-40 to +85 °C
TRK-250-48W	TRK-250-48B	4.5	250	220	-40 to +85 °C
TRK-300-48W	TRK-300-48B	4.5	300	220	-40 to +85 °C
TRK-370-48W	TRK-370-48B	4.5	370	220	-40 to +85 °C
TRK-430-48W	TRK-430-48B	4.5	430	220	-40 to +85 °C
TRK-200-76W	TRK-200-76B	7.5	200	550	-40 to +85 °C
TRK-300-76W	TRK-300-76B	7.5	300	550	-40 to +85 °C
TRK-370-76W	TRK-370-76B	7.5	370	550	-40 to +85 °C
TRK-450-76W	TRK-450-76B	7.5	450	550	-40 to +85 °C
TRK-550-76W	TRK-550-76B	7.5	550	550	-40 to +85 °C
TRK-750-76W	TRK-750-76B	7.5	750	550	-40 to +85 °C
TRK-600-90W	TRK-600-90B	9.0	600	800	-40 to +85 °C
TRK-710-90W	TRK-710-90B	9.0	710	800	-40 to +85 °C
TRK-760-90W	TRK-760-90B	9.0	760	800	-40 to +85 °C
TRK-900-90W	TRK-900-90B	9.0	900	800	-40 to +85 °C
TRK-1200-90W	TRK-1200-90B	9.0	1200	800	-40 to +85 °C

TORK Releasable Nylon cable ties

Type (White)	Type (Black)	Dimensions (mm)		Declared Tensile (N)	Min to Max working Temperature
		W	L		
TRK-200-76-RW	TRK-200-76-RB	7.5	200	280	-40 to +85 °C
TRK-370-76-RW	TRK-370-76-RB	7.5	370	280	-40 to +85 °C

Classification according to IEC 62275: 2022

6.1 According to Material	6.1.2 Non-metallic
6.2 According to Loop tensile strength for cable ties	6.2.1 Loop tensile strength: See table above 6.2.3 Type 2 Retains 100 % declared loop tensile strength after test conditions
6.3 According to temperature	6.3.1 Maximum working temperature for application: +85°C 6.3.2 Minimum working temperature for application: -40°C 6.3.3 Minimum temperature during installation: -10°C
6.4 According to contribution to fire for non-metallic and composite cable ties	6.4.2: Non-flame propagating
6.5 According to environmental influences	6.5.1 According to resistance to ultraviolet light for non-metallic and composite component: 6.5.1.1. Not Declared 6.5.2: According to resistance to corrosion for metallic and composite components: N/A

Application/Limitation

Cable ties for use inside ships and mobile offshore installations.
 Not suitable for use on open deck.

Type Approval documentation

Data sheet: TORK Standard Cable Ties
 TORK Releasable Cable Ties
 TORK Technical Data Sheet – Standard Nylon Cable Ties
 Constructional Data Form (CDF) for cable ties, Certificate No. R50655655 0001 27.11.2024.

Drawings: Drawings dated 17.05.2023 for various widths and lengths
 Declaration forms for TRK 2.5mm, 3.5mm, 4.5mm, 7.5mm, 9.0mm

Test reports: TÜV Rheinland report CN24CEOI 002 dated 2024-11-27.

Tests carried out

According to IEC 62275(2022-11). Loop Tensile Strength, Installation and operation temperature tests.

Marking of product

Company name, Type designation and Dimensions

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type Approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routines (RT) checked (if not available tests RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer’s product type marking and Type Approval Certificate.

Survey to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE