



DYNAMICA SecureLift Sling

Documentation manual



DYNAMICA

SecureLift sling

Sling type	: Fiber Roundsling
Sling material	: Dyneema®
Batch number	: FRS-00164
Weight	: app. 46,00 kg
WLL	: 100 t
Safety Factor	: 7:1
EWL	: 5.0 m
Circumference	: 10.00
EWL tolerance according to	: DIN EN 1492-2
Nominal length	: <i>See Proof Load Certificate p. 11</i>
Min. trunnion diameter	: 165 mm
Min. trunnion width	: 165 mm
Min/ max. temperature	: - 40 / + 60° C
CE marked	: Yes
Produced according to	: DIN EN 1492-2
Proof load	: WLL ≤ 25 t = 2 x WLL WLL > 25 t = 1,22 x WLL + 20 t
Order number	: 24659
Sling ID	: 100-FRS-00164
Item number	: 81400200RS700Z005000
Customer order number	: CFNC339
Customer item number/ID	: Séquence 2482
Customer name	: Würth Industrie France
Date	: 31.01.22
Specifications:	
Eye cover:	Dyneema® 1,5 mm
Body cover:	Dual Cordura





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Documentation Manual

Document number	:	24659 – 100-FRS-00164
Customer name	:	Würth Industrie France
Customer order	:	CFNC339
Customer item no.	:	Séquence 2482
Batch no.	:	FRS-00164
Date	:	31.01.22
Product name	:	DYNAMICA SecureLift sling
Product type	:	Fiber Roundsling
Sling material	:	Dyneema®
WLL	:	100 t
Safety Factor	:	7:1
EWL	:	5.0 m
Order number	:	24659
Identification	:	100-FRS-00164
Item number	:	81400100RS700Z05000



Declaration of Conformity

We certify that the following product:

Description/ID/mark/type	:	DYNAMICA SecureLift sling Fiber Roundsling WLL: 100 t EWL: 5.0 m
Material	:	Dyneema®
Traceability code (Lot no.)	:	FRS-00164
Harmonized standards if any	:	DIN EN 1492-2

Is manufactured according to the announcement no 612 of 25 June 2008 that implements the DIRECTIVE 2006/42/EC.

Name, title and signature of manufacturer:

Fredericia, 31.01.22

Dynamica Ropes ApS
Børupvej 80, Taulov
DK-7000 Fredericia
Tlf. 0045 76225015
Fax. 0045 76225001

Signature



DSM Recognition Letter

CONFIDENTIAL

Confidential



DSM Dyneema B.V.

Urmonderbaan 22
6167 RD Geleen
P.O. Box 1163
6160 BD Geleen
Netherlands

Date
April 24, 2019

Contact person
Daan Meewis, Account Manager EMEA
mobile +31 6 11197093
daan.meewis@dsm.com

Recognition of Dynamica Ropes ApS and Netmark A/S as licensed suppliers of products made with Dyneema®

Dear Sir/Madam,

Herewith we, DSM Dyneema, confirm that Dynamica Ropes ApS and Netmark A/S are licensed suppliers of products made with Dyneema®.

We consider Dynamica Ropes ApS and Netmark A/S trustful and valued customers and we pride ourselves of the long-standing relationship with them.

Any further questions hereto can be directed to me via daan.meewis@dsm.com or via telephone.

Yours Sincerely,

Daan Meewis
Account Manager EMEA
Commercial Marine & Sports
DSM Dyneema



DNV-GL Certificate

DNV-GL

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMPM000000R

This is to certify:

That
DSM Dyneema B.V.
Heerlen, Netherlands

is an approved manufacturer of
Offshore fibre yarns

in accordance with
Det Norske Veritas' Standards for Certification No. 2.9, Approval Programme No. 322, Manufacturers of Offshore Fibre Yarns, July 2013

and the following particulars:

Fibre designation:	SK78 and SK78 XBO
Fibre material:	Ultra-High Molecular Weight Polyethylene (UHMWPE)
Location of production of fibres:	DSM Dyneema B.V., Eisterweg 3, 6422 PN Heerlen, The Netherlands
Location of application of coating:	XBO coating to be applied at Gruschwitz GmbH Tech-Twists, Memminger Str. 68, 88299 Leutkirch im Allgäu, Germany.
Nominal linear density:	SK78 dtex 1760; SK78 dtex 1870 XBO (based on SK78 dtex 1760); SK78 dtex 2640
Amount of twisting at delivery:	None
Finish and coating:	Finish: NA; Coating: XBO, min. 4.5 %
Characteristic properties:	Characteristic data for 3-T endurance, design range and break strength shall be provided to recipient for each delivery of fibre materials. The relevance and completeness of provided data for the dimensioning of rope products shall be substantiated. This is a requirement in order for DNV GL to issue product certificates for the fibres in accordance with DNVGL-OS-E303.
Remarks:	-

Issued at **Høvik** on **2016-12-19**

This Certificate is valid until **2020-12-18**.

DNV GL local station: **Rotterdam**

Approval Engineer: **Gisle Hersvik**

for **DNV GL**



Digitally Signed By: Strande, Martin
Location: DNV GL-Høvik, Norway
Signing Date: 2016-12-01

Martin Strande
Head of Section

Breaking Strength Certificate

Certificate of Quality

We hereby certify that the DYNAMICA SecureLift sling has been manufactured in the accordance with DS/EN 1492-2 + A1: 2008. It is certified that the product has been inspected in accordance with requirements of the customer's order or as per our documentations mentioned.

CERTIFICATE NO.

24659 – 100-FRS-00164

Product Name	:	DYNAMICA SecureLift sling
Product Type	:	Fiber Roundsling
EWL	:	5.0 m
Nominal length	:	<i>See Proof Load Certificate page 12</i>
Sling material	:	Dyneema®
Safety Factor	:	7:1
WLL	:	100 t
Sling ID	:	200-FRS-00164
Batch number	:	FRS-00164
Min/ max. temperature	:	- 40 / + 60° C
Proof loaded as follows	:	WLL ≤ 25 t the proof load is 2 x WLL WLL > 25 t the proof load is 1,22 x WLL + 20 t

I hereby certify that the above particulars are correct.

Fredericia, 31.01.22

Quality Assurance Representative
Dynamica Ropes
Børupvej 80
DK-7000 Fredericia


Dynamica Ropes ApS
Børupvej 80, Fauløv
DK-7000 Fredericia
Tlf. 0045 76225015
Fax: 0045 76225001

Customer name	:	Würth Industrie France
Customer item no.	:	Séquence 2482
Customer order no.	:	CFNC339
Recertification	:	The sling has to be recertified by Dynamica Ropes or another qualified company.


DYNAMICA
Ropes ApS





User Instruction

DYNAMICA SecureLift FIBER slings are manufactured with a label that clearly identifies the manufacturer (Dynamica Ropes), type of load bearing fiber, manufacturing month, serial number, Working Load Limit and the EWL of the sling.

<p>DYNEEMA® SLING Made in Denmark CE According to DS/EN 1492-2+A1:2008</p>	<p>SF xx WLL xx t EWL xx m Circ. xx m</p>	<p>WLL xx t DYNAMICA Ropes ApS Børupvej 80 - Taulov - DK7000 Fredericia Phone: + 45 76225015 dynamica@dynamica-ropes.dk www.dynamica-ropes.com</p> 								
<p>XXXXX XXX-FRS-XXXXX</p>	<p>XX XXXX</p>	<table border="1"> <thead> <tr> <th>Lenght</th> <th>Month</th> <th>Year</th> <th>SF xx</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>X</td> <td>XX</td> <td>SF xx</td> </tr> </tbody> </table>	Lenght	Month	Year	SF xx	X	X	XX	SF xx
Lenght	Month	Year	SF xx							
X	X	XX	SF xx							

In General

- Keep distance when the sling is in use. Do never stand between the sling and the load or between the sling and the crane.
- Do never stand underneath loads being lifted.
- Only use DYNAMICA SecureLift slings for lifting, not for pulling, dragging, etc.
- Do never stand in path of loads being lifted.
- Do never sit or stand on loads being lifted.
- DYNAMICA SecureLift slings are resistant towards certain chemicals under certain conditions. If the slings are in contact with chemicals, always check the type, the temperature and the concentration of the chemicals. If you are in doubt about the safety, take the sling out of service and contact Dynamica Ropes. Phone: +45 76225015 Mail: dynamica@dynamica-ropes.dk.
- DYNAMICA SecureLift slings must never be knotted and never shortened by making a knot.
- Avoid dropping anything heavy onto the sling.
- Avoid running over the sling with vehicles.

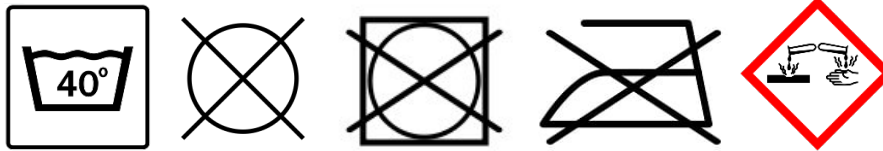
Use and maintenance

- Although DYNAMICA SecureLift slings are very abrasion resistant, special care has to be taken:
 - DYNAMICA SecureLift slings should only be used in connection with clean and non-rusty surfaces.
 - DYNAMICA SecureLift slings should not pass over sharp edges.
 - DYNAMICA SecureLift slings should never be dragged on the ground, sand asphalt, stones and gravel.
- DYNAMICA SecureLift slings have a temperature range for use and storage at -40° + 60°. At low temperatures, ice formation will take place if moisture is present. This may act as a cutting agent and an abrasive causing internal damage to the sling. Further, ice will lessen the flexibility of the sling, in extreme cases rendering it unserviceable for use.
- DYNAMICA SecureLift slings loose strength when being bent. Bending radius between sling and shackle (anchoring point, hook, etc.) should be taken into account. SecureLift slings with a WLL up to 100 t can be used in a D:d ratio of 1:1. Slings with a WLL on more than 100 t can be used in a D:d ratio of 1:1,5.
- We recommend checking DYNAMICA SecureLift slings regularly for cuts and damaged areas. Slings with deep cuts and damaged areas have to be taken out of service. A SecureLift sling, of which the core itself is visible,



must be withdrawn from use. Also in case the cover shows clear signs of wear the sling must be withdrawn from use. An expert must then assess whether the sling in question can be safely reused after repair.

- To clean DYNAMICA SecureLift slings, we suggest rinsing the sling with water and mild detergent. In certain cases, it may be necessary to consult the manufacturer about how to clean the SecureLift sling.



- When DYNAMICA SecureLift slings are not in use, they should be stored in a dry room with ventilation. Avoid direct sunlight. Slings with Dyneema® should be taken out of service for inspection and possible repair & test load by the manufacturer every 6 months.
- All DYNAMICA SecureLift slings have to be recertified by Dynamica Ropes or another qualified company.

Rigging

- Do always inspect DYNAMICA SecureLift slings. Check for cuts, check for signs of abrasion and make sure that serial number and certificate matches.
- Do never use damaged SecureLift slings.
- Only use Securelift slings that have a legible label. Protect the label from damage caused by the hook, load or strapping if the sling is looped.
- Make sure that the dimension of the sling and the dimension of the hardware where the sling is going to be mounted matches. Preferably, use wide body shackles.
- Make sure that the connection hardware is clean and plain.
- The DYNAMICA SecureLift sling should never be in contact with sharp edges during a lift.

Lifting

- Always follow the lifting plan for engineered lifting and all other relevant regulations.
- When lifting with SecureLift slings, take care that the load is evenly distributed over the sling's full width.
- The SecureLift sling should be positioned in such a way, that during lifting operation the stitching of the overlap is not in the hook or around the load.
- It will damage the SecureLift sling, if the sling gets in touch with other objects during lifting operation and under tension.
- Make sure not to damage the sling, when the SecureLift sling is disconnected from the load.



Product Data Sheet

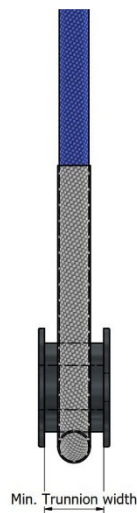
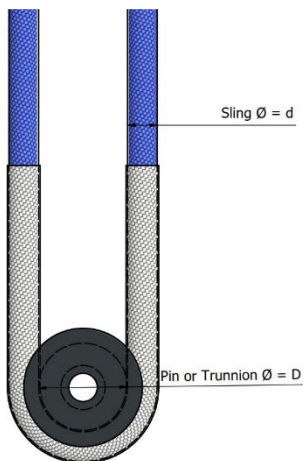


DYNAMICA
SecureLift sling

Sling type	: Fiber Roundsling
Sling material	: Dyneema®
Weight	: 46,00 kg app.
Safety factor	: 7:1
WLL	: 100 t
EWL	: 5.0 m
Circumference	: 10.00
EWL tolerance	: According to DIN EN 1492-2
Min. trunnion diameter	: 165 mm
Min. trunnion width	: 165 mm
Min/ max. temperatur	: - 40 / + 60° C
CE marked	: Yes
Produced according to	: DIN EN 1492-2
Proof loaded	: Yes
Date	: 31.01.22



Specification:

Sling cover: Dual Cordura
Cover at bearing points: Dyneema protection





Label

<p>DYNEEMA® SLING Made in Denmark Sèquence 2082 According to DS/EN 1492-2+A1:2008</p> <p>CE</p>	 WLL 100 t. EWL 5,00 Circ. 10,00	<p>WLL 100 t.</p> <p>DYNAMICA Ropes ApS</p> <p>Børupvej 80 - Taulov - DK7000 Fredericia Phone: +45 76225015 dynamica@dynamica-ropes.dk www.dynamica-ropes.com</p> 								
<p>24659 100-FRS-00164</p>	<p>PO CFNC339</p>	<table border="1"> <thead> <tr> <th>Lenght</th> <th>Month</th> <th>Year</th> <th></th> </tr> </thead> <tbody> <tr> <td>5,00</td> <td>01</td> <td>22</td> <td>SF 7:1</td> </tr> </tbody> </table>	Lenght	Month	Year		5,00	01	22	SF 7:1
Lenght	Month	Year								
5,00	01	22	SF 7:1							



Proof Load Certificate

CERTIFICATE OF TESTING

Certificate Number: 220107864

Date & Time: 21-01-2022 09:29

Customer Data

Customer: Wurth Industrie France
Supplier: Dynamica Ropes ApS
Contact:
Order Number:

Test Data

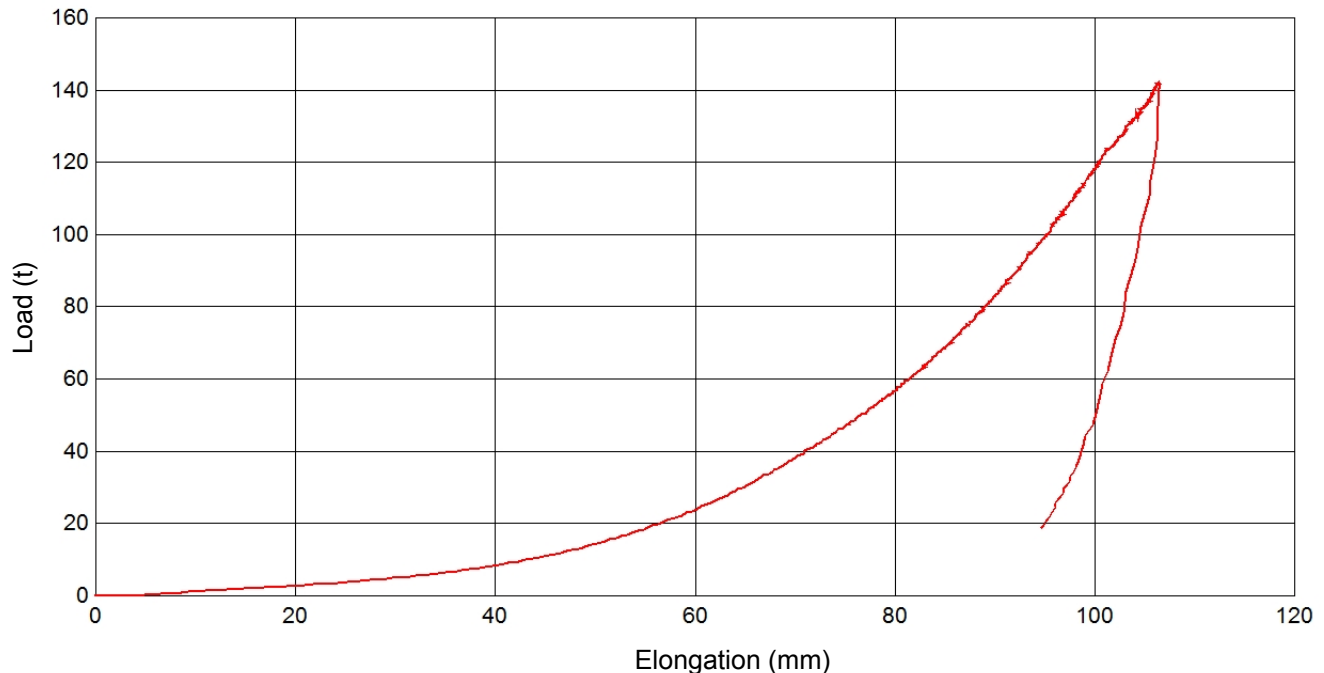
Type Of Test: Basic Proof Load
Proof Load: 142,0t
Specimen: 100-FRS-00164 24659 Wurth Industrie France
Tested By: Ed
File Name: Wurth Industrie France, 220107864, Basic Proof Load, 1.csv
Comment:

Test Results

	Load (t)	Ram Stroke (mm)	Videoext. (mm)	Time (min.s)	Number of Cycles
Minimum:	0,0	0,0	0	00.00,0	1
Maximum:	142,2	106,4	0	02.38,4	
		Elongation (%)	0,0		

Test End: Specimen did not break

Load v Elongation



Comment

EWL 5002mm

Test results are acceptable:
Test results are not acceptable:


SIGNATURE

