



Connecting Ideas ...

Ideen verbinden.



ERS EuRope-Systems GmbH

S-Series

TÜV (GS) and DGUV test certified
according to DGUV regulation 17 (previously BGB-C1)

The RopeFix® S-Series for event equipment was developed in consultation with leading industry specialists.

Because the familiar six-ball mechanics of popular sling gear increasingly no longer meets today's safety requirements, the RopeFix® S-Series has been equipped from the beginning with an improved, patent-pending, 2-level clamping mechanism.

The required detection of component overload was also solved constructively with the RopeFix® S-Series:

If the mechanical load is more than double the workload (according to DGUV, BGI 810-3), a red ring will be visible to the user in the top area of the RopeFix®. This shows the significant overload and also indicates that the component needs to be replaced due to improper overload.

The reason for this is that generally when using balls for clamping ropes, plastic deformations occur when there is an overload.

If the improper overload of the component increases, the second safety level of the clamping mechanism will engage, which is based on a collet principle. Here the 3 segments clamp the rope in a flat cone and achieve the highest breaking load values on the market together with the first level of the clamping mechanism. If the RopeFix® has reached this condition, it is no longer possible to manually push the guide element into the component, which prevents further, possibly dangerous, use.

Through the very high breaking strength of the RopeFix® S-Series, significantly higher workloads can be reached than with usual sling gear for event equipment. In the area of event equipment, the workloads (WLL) listed below apply according to the regulations of the DGUV, BGI 810-3. These are detailed on the inside of this brochure on the left near the product specifications.

Minimal breaking loads of the S-Series

Wire rope-Diameter	Wire rope-construction	Wire rope-strength min.	RopeFix 40S	RopeFix 50S	RopeFix 80S
4,0 mm	6x7+1FE 6x19+1FE	1770 N/mm ²	8.000N		
5,0 mm	6x7+1FE 6x19+1FE 6x37+1FE	1770 N/mm ²		12.500N	
6,0 mm	6x19+1FE 6x37+1FE	1770 N/mm ²			20.000N
8,0 mm	6x19+1FE 6x37+1FE				35.000N

Wire rope construction in accordance with DIN EN 12385-4: 2008

Tool-free, fast, safe: With this in mind, we, ERS EuRope Systems, develop and manufacture high-quality and innovative mounting systems at our location in Lorsch in the Rhein-Neckar metropolitan region Germany.

Many years of experience in all aspects of wire-rope suspension – particularly lighting fixtures – combined with constructive creativity and high manufacturing quality make us a sought-after partner today for more and more sectors and applications.

This includes the lighting industry, acoustics, HVAC, sanitation, trade fairs, shop construction, and general mechanical engineering. We quickly and cleverly realise individual solutions on the basis of the maximum compatibility, efficiency, and functionality of our diverse component series and elements and intelligent combination options. We think about our customers and their needs ... And we are always a "rope length" ahead!



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RopeFix®

For event equipment
40S 50S 80S



German technology available
at Prolight Concepts Group Ltd
www.prolight.co.uk

Designs
Types

www.prolight.co.uk



dguv.de/pruefzeichen



Workloads for general lifting equipment according to TÜV certification number: Z1A 15 09 70668 006

RopeFix® 40S
Rope ø4,0mm
WLL: 60kg
(according to BGI 810-3)

M10A x 12mm
Item-No: 010-313-4040-1001
Connecting thread:
M10 x 12mm External thread
Length: 57mm
Diameter: 20mm
Weight: approx. 100 Gramm

Ring
Item-No: 010-313-4040-1002
Diameter: 20mm
Length: 90mm
Ring inside diameter: 25mm
Ring outside diameter: 45 mm
Weight: approx. 190 Gramm

Fork head and folding spring bolt
Item-No: 010-313-4040-1003
Diameter: 20mm
Length: 97mm
Fork size: 10mm
Fork width: 20mm
Spring loaded bolt: 10mm
Weight: approx. 190 Gramm
Color surface fork head: silver

M10I + SSA
Item-No: 010-323-4040-1001
Connecting thread:
M10 x 10mm Internal thread
Length: 70mm
Diameter: 20mm
Weight: approx. 180 Gramm
(SSA = side rope exit)

Travers clip + SSA
Item-No: 010-323-4040-1003
Diameter: 20mm
(SSA = side rope exit)

RopeFix® 40S
rope ø4,0mm
Workload (TÜV): 150kg

Fork head and folding spring bolts
Item-No: 010-313-4040-1004
as above, but:
Color surface fork head: black

RopeFix® 50S
Rope ø5,0mm
WLL: 90kg
(according to BGI 810-3)

M12A x 14mm
Item-No: 010-313-5050-1001
Connecting thread:
M12 x 14mm External thread
Length: 62 mm
Diameter: 25mm
Weight: approx. 160 Gramm

Ring
Item-No: 010-313-5050-1002
Diameter: 25mm
Length: 101mm
Ring inside diameter: 30mm
Ring outside diameter: 54mm
Weight: approx. 320 Gramm

Fork head and folding spring bolt
Item-No: 010-313-5050-1004
Diameter: 25mm
Length: 110mm
Fork size: 12mm
Fork width: 24mm
Spring loaded bolt: 12mm
Weight: approx. 300 Gramm
Color surface fork head: silver

M12I + SSA
Item-No: 010-323-5050-1001
Connecting thread:
M12 x 12 mm Internal thread
Length: 78mm
Diameter: 25mm
Weight: approx. 250 Gramm
(SSA = side rope exit)

Travers clip + SSA
Item-No: 010-323-5050-1003
Diameter: 25mm
(SSA = side rope exit)

RopeFix® 50S
rope ø5,0mm
Workload (TÜV): 250kg

M12A x 20mm
Item-No: 010-313-5050-1003
Connecting thread:
M12 x 20mm External thread
Length: 68mm
Diameter: 25mm
Weight: approx. 160 Gramm

Fork head and folding spring bolt
Item-No: 010-313-5050-1005
as above, but:
Color surface fork head: black

RopeFix® 80S
Rope ø6,0mm
WLL: 135kg
(according to BGI 810-3)

M20A x 17mm
Item-No: 010-313-8080-1001
Connecting thread:
M20 x 17mm External thread
Length: 90mm
Diameter: 40mm
Weight: approx. 600 Gramm

Ring
Item-No: 010-313-8080-1002
Diameter: 40mm
Length: 144mm
Ring inside diameter: 40mm
Ring outside diameter: 72mm
Weight: approx. 950 Gramm

Fork head and folding spring bolt
Item-No: 010-313-8080-1004
Diameter: 40mm
Length: 178mm
Fork size: 20mm
Fork width: 40mm
Spring loaded bolt: 20mm
Weight: approx. 1.300 Gramm
Color surface fork head: silver

M20I + SSA
Item-No: 010-323-8080-1001
Connecting thread:
M20 x 15mm Internal thread
Length: 135mm
Diameter: 40mm
Weight: approx. 930 Gramm
(SSA = side rope exit)

Travers clip + SSA
Item-No: 010-323-8080-1005
Diameter: 40mm
(SSA = side rope exit)

RopeFix® 80S
rope ø6,0mm
Workload (TÜV): 370kg

M20A x 30mm
Item-No: 010-313-8080-1003
Connecting thread:
M20 x 30mm External thread
Length: 103mm
Diameter: 40mm
Weight: approx. 620 Gramm

Fork head and folding spring bolt
Item-No: 010-313-8080-1005
as above, but:
Color surface fork head: black

M12I + SSA
Item-No: 010-323-8080-1003
as above, but:
Connecting thread:
M12 x 15mm Internal thread
(SSA = side rope exit)

rope ø8,0mm
Workload (TÜV): 600kg

Locknut against accidental release of the clamping mechanism

Overload indicator for significant overloads of the workload (component must be replaced)

Collet as 2nd Safety level only activated in case of overload

Proven 3-ball mechanism for the workload area

Surface matt black for reduced light reflection

Connecting thread

Patent-pending mechanism

