

# Quality steel at its best - ExoSet®

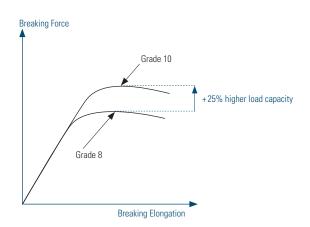
Industrial manual lifting and handling can be strenuous, the modern workplace is continually striving to improve the work environment and improve working conditions for their workforce. Grade 10 lifting components are contributing to this - with an increased load capacity of 25% over Grade 8. the Grade 10 components required for a task are lighter and therefore easier for the workforce to handle.

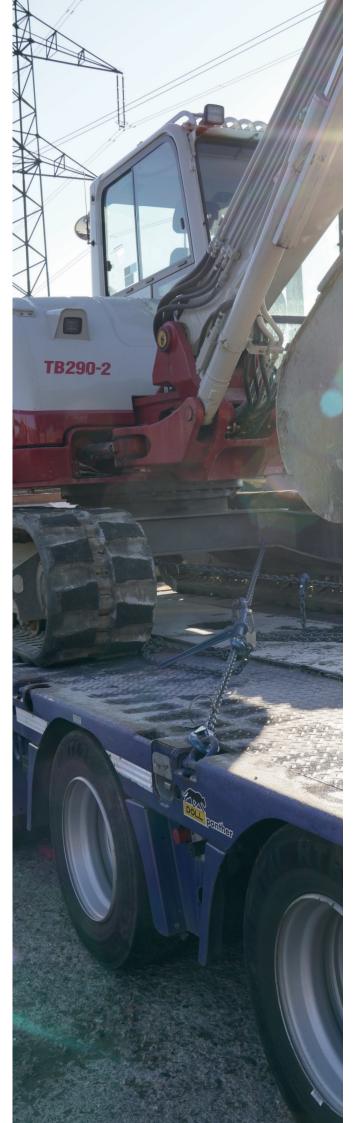
Grade 10 components are suitable for both light and heavier lifting, providing greater flexibility for different types of lifting jobs.

G10 can be more economical to use as in many cases a smaller Grade 10 chain with the same Working Load Limit as a larger, Grade 8 chain can be used, which is cheaper.

GIO material is also slightly harder than G8 which gives the added benefit of increased toughness and longer service life. Pewag chain slings are produced to the highest possible quality standards and the range of fittings available make this one of the most comprehensive chai sling systems available. Chain sizes from 6mm to 1 6mm offer lifting capacities of up to 21 tonnes on a 4-leg sling.

# SpanSet® – Certified Safety





# **Sling configurations by SpanSet**

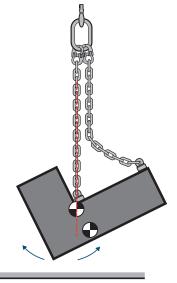
As well as the lifting chain grades having an influence on the WLL, so too does your sling configuration. Sling configuration generally falls into:

- 1-leg: One length of chain from the centre of gravity of the load, to the hook
- 2-leg: Two lengths of chain normally attached to each end of the load
- 3-leg: Attached to three lifting points
- 4-leg: Normally attached to each corner.

The type of sling used, one, two, four legs, and the angle of each chain leg to the vertical, can all have a bearing on the maximum working load limits. It is for this reason that such things as lifting beams and lifting spreaders are added, to keep each chain as close to the vertical as possible, increasing the maximum weight it can safely lift.

Understandably, all of these aspects have a vital part to play in ensuring both safety and efficiency. Considering which lifting chain grade is best for your project as well as the appropriate sling configuration will save a considerable amount of both time and hassle.

High tensile lifting chain slings have many advantages, they are strong, reliable, flexible. They are completely customisable depending on the requirements of the application. High tensile chain slings have a high "size to working load limit" ratio — meaning a small chain sling can lift very heavy loads. Shortening hooks are available on any type of chain sling, meaning only one chain sling would need to be purchased and able to be shortened for use at different lifting lengths.





#### **Adjusting slings using shortening Grab Hooks**

SpanSet® can incorporate shortening Grab Hooks into all sling assemblies rendering them adjustable. Shortening Grab Hooks in multi-leg slings will adjust the leg length but care must be taken to ensure that no one leg is overloaded as a result. Bear in mind that if the legs are not equally disposed about vertical, the leg making the smallest angle to the vertical will carry a larger share of the load. Shortening Grab Hooks are the preferred devices for adjusting leg length as they maintain the correct «in line loading» of the chain so that the rating is not affected.

#### **Facts About Working Load Limit**

A chain's working load limit (WLL) is used as a safety measure to identify the chains which are sufficiently strong for overhead lifting. The process of lifting a load could be lethal especially if the incorrect equipment is used. The working load limit of the chain needs to match the load's weight. For lashing, the chain must manage the applied tension. Once the load is lifted off the ground, gravity must be overcome. The working load limit of the chain must be sufficiently strong to support the load's weight as well as any added forces from the hitch types and angles used.

- A chain's WLL is the maximum tension that can be placed on an undamaged or brand new chain.
- The WLL is computed by dividing the chain's minimum breaking strength by its assigned safety factor rating.
- The chain's WLL is determined by its diameter and grade.
- Factors that affect a chain's WLL is constant wear, use, twists, alteration, corrosion, misuse.
- Chains must be inspected regularly to make sure they are safe to use.
- The WLL is different from the tensile or breaking strength.
- The WLL is a quarter of the chain's breaking strength.

Kette	Working Load Limit in Tons										
Ø mm	1-Leg 2-Leg		3-	Leg	4-Leg						
<b>O</b>	90.	r constant of the constant of									
	90°	0 - 45°	45 - 60°	0 - 45°	45 - 60°	0 - 45°	45 - 60°				
6	1,4	1,9	1,4	2,9	2,1	2,9	2,1				
8	2,5	3,5	2,5	5,2	3,7	5,2	3,7				
10	4,0	5,6	4,0	8,4	6,0	8,4	6,0				
13	6,7	9,3	6,7	14,0	10,0	14,0	10,0				
16	10,0	14,0	10,0	21,0	15,0	21,0	15,0				

- Never exceed the working load limit (WLL) marked on the tag
- When slings are used in a choke hitch, reduce the WLL by 20%

Single Leg Chain Slings EXOSET® Grade 100





# 1-Leg Chain Sling with Clevis Sling Hook EXOSET $^{\circ}$

Chain sling with master link on one end and clevis sling hook on the other end.

	Waterial: Alloy steel       Grade: 10       In accordance with standard: EN 818-4*         Warking: CE-Marked       Safety factor: 4:1       Temperature range: -40°C up to 200°C											
GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]					
2026076	1-CSHC-6	1,4	6	MLF-86-10	HCE-6-10	_	CSHC-6-10					
2026077	1-CSHC-8	2,5	8	MLF-86-10	HCE-8-10	_	CSHC-8-10					
2026078	1-CSHC-10	4,0	10	MLF-108-10	HCE-10-10	-	CSHC-10-10					
2026079	1-CSHC-13	6,7	13	MLF-1310-10	HCE-13-10	_	CSHC-13-10					
2026080	1-CSHC-16	10,0	16	MLF-1613-10	HCE-16-10	_	CSHC-16-10					

\*The EN 818-4 standard covers only Grade 8



# 1-Leg Chain Sling with Clevis Self Locking Hook EXOSET®

Chain sling with master link on one end and clevis self locking hook on the other end.

Material: Alloy steel	Grade: 10	In accordance with standard: EN 818-4*
Marking: CE-Marked	Safety factor: 4:1	<b>Temperature range:</b> -40°C up to 200°C

					3		
GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026081	1-CSLH-6	1,4	6	MLF-86-10	HCE-6-10	_	CSLH-6-10
2026082	1-CSLH-8	2,5	8	MLF-86-10	HCE-8-10	-	CSLH-8-10
2026083	1-CSLH-10	4,0	10	MLF-108-10	HCE-10-10	-	CSLH-10-10
2026084	1-CSLH-13	6,7	13	MLF-1310-10	HCE-13-10	_	CSLH-13-10
2026085	1-CSLH-16	10,0	16	MLF-1613-10	HCE-16-10	-	CSLH-16-10

\* The EN 818-4 standard covers only Grade 8

Single Leg Chain Slings EXOSET® Grade 100

#### 1-Leg Chain Sling with Shortener and Clevis Sling Hook EXOSET®

Chain sling with master link and chain shortener on one end and clevis sling hook on the other end.

Material: Alloy steelGrade: 10In accordance with standard: EN 818-4\*Marking: CE-MarkedSafety factor: 4:1Temperature range: -40°C up to 200°C

GIN	Model	WLL [t]	Chain Ø [mm]	<b>Master Link</b> [Marking]	<b>Connector</b> [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026066	1-CSHC-CGH-6	1,4	6	MLF-86-10	HCE-6-10	CGH-6-10	CSHC-6-10
2026067	1-CSHC-CGH-8	2,5	8	MLF-86-10	HCE-8-10	CGH-8-10	CSHC-8-10
2026068	1-CSHC-CGH-10	4,0	10	MLF-108-10	HCE-10-10	CGH-10-10	CSHC-10-10
2026069	1-CSHC-CGH-13	6,7	13	MLF-1310-10	HCE-13-10	CGH-13-10	CSHC-13-10
2026070	1-CSHC-CGH-16	10,0	16	MLF-1613-10	HCE-16-10	CGH-16-10	CSHC-16-10

 $^{\star}$  The EN 818-4 standard covers only Grade 8



# 1-Leg Chain Sling with Shortener and Clevis Self Locking Hook EXOSET®

Chain sling with master link and chain shortener on one end and clevis self locking hook on the other end.

Material: Alloy steelGrade: 10In accordance with standard: EN 818-4\*Marking: CE-MarkedSafety factor: 4:1Temperature range: -40°C up to 200°C

GIN	Model	WLL [t]	Chain Ø [mm]	<b>Master Link</b> [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026071	1-CSLH-CGH-6	1,4	6	MLF-86-10	HCE-6-10	CGH-6-10	CSLH-6-10
2026072	1-CSLH-CGH-8	2,5	8	MLF-86-10	HCE-8-10	CGH-8-10	CSLH-8-10
2026073	1-CSLH-CGH-10	4,0	10	MLF-108-10	HCE-10-10	CGH-10-10	CSLH-10-10
2026074	1-CSLH-CGH-13	6,7	13	MLF-1310-10	HCE-13-10	CGH-13-10	CSLH-13-10
2026075	1-CSLH-CGH-16	10,0	16	MLF-1613-10	HCE-16-10	CGH-16-10	CSLH-16-10

\*The EN 818-4 standard covers only Grade 8



Double Leg Chain Slings EXOSET® Grade 100





# 2-Leg Chain Sling with Clevis Sling Hook EXOSET $^{\otimes}$

Chain sling with master link on one end and clevis sling hook on the other end.

Material: Alloy steel Grade: 10 In accordance with standard: EN 818-4*  Marking: CE-Marked Safety factor: 4:1 Temperature range: -40°C up to 200°C								
GIN	Model	WLL [t]	Chain Ø [mm]	<b>Master Link</b> [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]	
2026117	2-CSHC-6	1,4	6	MLF-86-10	HCE-6-10	_	CSHC-6-10	
2026118	2-CSHC-8	2,5	8	MLF-108-10	HCE-8-10	_	CSHC-8-10	
2026119	2-CSHC-10	4,0	10	MLF-1310-10	HCE-10-10	_	CSHC-10-10	
2026120	2-CSHC-13	6,7	13	MLF-1613-10	HCE-13-10	_	CSHC-13-10	
2026121	2-CSHC-16	10,0	16	MLF-2016-10	HCE-16-10	_	CSHC-16-10	

\*The EN 818-4 standard covers only Grade 8



# 2-Leg Chain Sling with Clevis Self Locking Hook EXOSET®

Chain sling with master link on one end and clevis self locking hook on the other end.

Material: Alloy steel	Grade: 10	In accordance with standard: EN 818-4*
Marking: CE-Marked	Safety factor: 4:1	Temperature range: -40°C up to 200°C

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GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026122	2-CSLH-6	1,4	6	MLF-86-10	HCE-6-10	_	CSLH-6-10
2026123	2-CSLH-8	2,5	8	MLF-108-10	HCE-8-10	_	CSLH-8-10
2026124	2-CSLH-10	4,0	10	MLF-1310-10	HCE-10-10	_	CSLH-10-10
2026125	2-CSLH-13	6,7	13	MLF-1613-10	HCE-13-10	_	CSLH-13-10
2026126	2-CSLH-16	10,0	16	MLF-2016-10	HCE-16-10	_	CSLH-16-10

\* The EN 818-4 standard covers only Grade 8

Double Leg Chain Slings EXOSET® Grade 100



#### 2-Leg Chain Sling with Shortener and Clevis Sling Hook EXOSET $^{\otimes}$

Chain sling with master link and chain shortener on one end and clevis sling hook on the other end.

Material: Alloy steelGrade: 10In accordance with standard: EN 818-4\*Marking: CE-MarkedSafety factor: 4:1Temperature range: -40°C up to 200°C

GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026088	2-CSHC-CGH-6	1,4	6	MLF-86-10	HCE-6-10	CGH-6-10	CSHC-6-10
2026089	2-CSHC-CGH-8	2,5	8	MLF-108-10	HCE-8-10	CGH-8-10	CSHC-8-10
2026090	2-CSHC-CGH-10	4,0	10	MLF-1310-10	HCE-10-10	CGH-10-10	CSHC-10-10
2026091	2-CSHC-CGH-13	6,7	13	MLF-1613-10	HCE-13-10	CGH-13-10	CSHC-13-10
2026092	2-CSHC-CGH-16	10,0	16	MLF-2016-10	HCE-16-10	CGH-16-10	CSHC-16-10

\*The EN 818-4 standard covers only Grade 8



# 2-Leg Chain Sling with Shortener and Clevis Self Locking Hook EXOSET®

Chain sling with master link and chain shortener on one end and clevis self locking hook on the other end.

Material: Alloy steel Grade: 10 In accordance with standard: EN 818-4\*
Marking: CE-Marked Safety factor: 4:1 Temperature range: -40°C up to 200°C

GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	<b>Connector</b> [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026093	2-CSLH-CGH-6	1,4	6	MLF-86-10	HCE-6-10	CGH-6-10	CSLH-6-10
2026094	2-CSLH-CGH-8	2,5	8	MLF-108-10	HCE-8-10	CGH-8-10	CSLH-8-10
2026095	2-CSLH-CGH-10	4,0	10	MLF-1310-10	HCE-10-10	CGH-10-10	CSLH-10-10
2026096	2-CSLH-CGH-13	6,7	13	MLF-1613-10	HCE-13-10	CGH-13-10	CSLH-13-10
2026097	2-CSLH-CGH-16	10,0	16	MLF-2016-10	HCE-16-10	CGH-16-10	CSLH-16-10

\*The EN 818-4 standard covers only Grade 8



Double Leg Chain Slings EXOSET® Grade 100





# 3-Leg Chain Sling with Clevis Sling Hook EXOSET®

Chain sling with master link on one end and clevis sling hook on the other end.

	Alloy steel Gra			In accordance with standard: EN 818-4*						
Marking: CE-Marked Safety factor: 4:1 Temperature range: -40°C up to 200°C										
GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	<b>Connector</b> [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]			
2026145	3-CSHC-6	1,4	6	MLA-6-10	HCE-6-10	_	CSHC-6-10			
2026146	3-CSHC-8	2,5	8	MLA-8-10	HCE-8-10	_	CSHC-8-10			
2026147	3-CSHC-10	4,0	10	MLA-10-10	HCE-10-10	_	CSHC-10-10			
2026148	3-CSHC-13	6,7	13	MLA-13-10	HCE-13-10	_	CSHC-13-10			
2026149	3-CSHC-16	10,0	16	MLA-16-10	HCE-16-10	_	CSHC-16-10			

\*The EN 818-4 standard covers only Grade 8



# 3-Leg Chain Sling with Clevis Self Locking Hook EXOSET®

Chain sling with master link on one end and clevis self locking hook on the other end.

Material: Alloy steel	Grade: 10	In accordance with standard: EN 818-4*
Marking: CE-Marked	Safety factor: 4:1	Temperature range: -40°C up to 200°C

		•		<u> </u>			
GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	<b>Connector</b> [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026150	3-CSLH-6	1,4	6	MLA-6-10	HCE-6-10	_	CSLH-6-10
2026151	3-CSLH-8	2,5	8	MLA-8-10	HCE-8-10	-	CSLH-8-10
2026152	3-CSLH-10	4,0	10	MLA-10-10	HCE-10-10	-	CSLH-10-10
2026153	3-CSLH-13	6,7	13	MLA-13-10	HCE-13-10	-	CSLH-13-10
2026154	3-CSLH-16	10,0	16	MLA-16-10	HCE-16-10	-	CSLH-16-10

\* The EN 818-4 standard covers only Grade 8

Double Leg Chain Slings EXOSET® Grade 100

#### 3-Leg Chain Sling with Shortener and Clevis Sling Hook EXOSET $^{\otimes}$

Chain sling with master link and chain shortener on one end and clevis sling hook on the other end.

Material: Alloy steelGrade: 10In accordance with standard: EN 818-4\*Marking: CE-MarkedSafety factor: 4:1Temperature range: -40°C up to 200°C

GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026128	3-CSHC-CGH-6	1,4	6	MLA-6-10	HCE-6-10	CGH-6-10	CSHC-6-10
2026129	3-CSHC-CGH-8	2,5	8	MLA-8-10	HCE-8-10	CGH-8-10	CSHC-8-10
2026130	3-CSHC-CGH-10	4,0	10	MLA-10-10	HCE-10-10	CGH-10-10	CSHC-10-10
2026131	3-CSHC-CGH-13	6,7	13	MLA-13-10	HCE-13-10	CGH-13-10	CSHC-13-10
2026132	3-CSHC-CGH-16	10,0	16	MLA-16-10	HCE-16-10	CGH-16-10	CSHC-16-10

\*The EN 818-4 standard covers only Grade 8



# 3-Leg Chain Sling with Shortener and Clevis Self Locking Hook EXOSET $^{\circ}$

Chain sling with master link and chain shortener on one end and clevis self locking hook on the other end.

Material: Alloy steelGrade: 10In accordance with standard: EN 818-4\*Marking: CE-MarkedSafety factor: 4:1Temperature range: -40°C up to 200°C

GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026133	3-CSLH-CGH-6	1,4	6	MLA-6-10	HCE-6-10	CGH-6-10	CSLH-6-10
2026134	3-CSLH-CGH-8	2,5	8	MLA-8-10	HCE-8-10	CGH-8-10	CSLH-8-10
2026135	3-CSLH-CGH-10	4,0	10	MLA-10-10	HCE-10-10	CGH-10-10	CSLH-10-10
2026136	3-CSLH-CGH-13	6,7	13	MLA-13-10	HCE-13-10	CGH-13-10	CSLH-13-10
2026137	3-CSLH-CGH-16	10,0	16	MLA-16-10	HCE-16-10	CGH-16-10	CSLH-16-10

\*The EN 818-4 standard covers only Grade 8



Double Leg Chain Slings EXOSET® Grade 100





#### 4-Leg Chain Sling with Clevis Sling Hook EXOSET®

Chain sling with master link on one end and clevis sling hook on the other end.

Material:	Alloy steel <b>Gra</b>	<b>ide:</b> 10	In	accordance	with standard	<b>d:</b> EN 818-4*		
Marking: CE-Marked Safety factor: 4:1 Temperature range: -40°C up to 200°C								
GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	<b>Connector</b> [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]	
2026165	4-CSHC-6	1,4	6	MLA-6-10	HCE-6-10	_	CSHC-6-10	
2026166	4-CSHC-8	2,5	8	MLA-8-10	HCE-8-10	_	CSHC-8-10	
2026167	4-CSHC-10	4,0	10	MLA-10-10	HCE-10-10	-	CSHC-10-10	
2026168	4-CSHC-13	6,7	13	MLA-13-10	HCE-13-10	-	CSHC-13-10	
2026169	4-CSHC-16	10,0	16	MLA-16-10	HCE-16-10	_	CSHC-16-10	
					*The Ef	N 818-4 standard co	vers only Grade	



# 4-Leg Chain Sling with Clevis Self Locking Hook EXOSET®

Chain sling with master link on one end and clevis self locking hook on the other end.

Material: Alloy steel	Grade: 10	In accordance with standard: EN 818-4*
Marking: CE-Marked	Safety factor: 4:1	<b>Temperature range:</b> -40°C up to 200°C

GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026170	4-CSLH-6	1,4	6	MLA-6-10	HCE-6-10	_	CSLH-6-10
2026171	4-CSLH-8	2,5	8	MLA-8-10	HCE-8-10	_	CSLH-8-10
2026172	4-CSLH-10	4,0	10	MLA-10-10	HCE-10-10	_	CSLH-10-10
2026173	4-CSLH-13	6,7	13	MLA-13-10	HCE-13-10	_	CSLH-13-10
2026174	4-CSLH-16	10,0	16	MLA-16-10	HCE-16-10	_	CSLH-16-10

\* The EN 818-4 standard covers only Grade 8

Double Leg Chain Slings EXOSET® Grade 100

#### 4-Leg Chain Sling with Shortener and Clevis Sling Hook EXOSET®

Chain sling with master link and chain shortener on one end and clevis sling hook on the other end.

Material: Alloy steelGrade: 10In accordance with standard: EN 818-4\*Marking: CE-MarkedSafety factor: 4:1Temperature range: -40°C up to 200°C

GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026155	4-CSHC-CGH-6	1,4	6	MLA-6-10	HCE-6-10	CGH-6-10	CSHC-6-10
2026156	4-CSHC-CGH-8	2,5	8	MLA-8-10	HCE-8-10	CGH-8-10	CSHC-8-10
2026157	4-CSHC-CGH-10	4,0	10	MLA-10-10	HCE-10-10	CGH-10-10	CSHC-10-10
2026158	4-CSHC-CGH-13	6,7	13	MLA-13-10	HCE-13-10	CGH-13-10	CSHC-13-10
2026159	4-CSHC-CGH-16	10,0	16	MLA-16-10	HCE-16-10	CGH-16-10	CSHC-16-10

 $^{*}$  The EN 818-4 standard covers only Grade 8



# 4-Leg Chain Sling with Shortener and Clevis Self Locking Hook EXOSET®

Chain sling with master link and chain shortener on one end and clevis self locking hook on the other end.

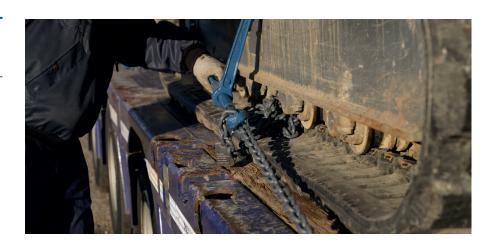
Material: Alloy steelGrade: 10In accordance with standard: EN 818-4\*Marking: CE-MarkedSafety factor: 4:1Temperature range: -40°C up to 200°C

GIN	Model	WLL [t]	Chain Ø [mm]	Master Link [Marking]	Connector [Marking]	Chain Shortener [Marking]	<b>Hook</b> [Marking]
2026160	4-CSLH-CGH-6	1,4	6	MLA-6-10	HCE-6-10	CGH-6-10	CSLH-6-10
2026161	4-CSLH-CGH-8	2,5	8	MLA-8-10	HCE-8-10	CGH-8-10	CSLH-8-10
2026162	4-CSLH-CGH-10	4,0	10	MLA-10-10	HCE-10-10	CGH-10-10	CSLH-10-10
2026163	4-CSLH-CGH-13	6,7	13	MLA-13-10	HCE-13-10	CGH-13-10	CSLH-13-10
2026164	4-CSLH-CGH-16	10,0	16	MLA-16-10	HCE-16-10	CGH-16-10	CSLH-16-10

\*The EN 818-4 standard covers only Grade 8



Ratchet Chain Load Binders EXOSET®

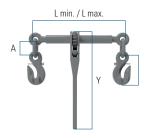




#### Ratchet Chain Load Binder EXOSET®. Grade 10 (EN 12195-3)

Grab hook with safety pin on both sides. Equipped with a safety unit against turning out of the spindle.

GIN	Marking	Chain Ø [mm]	Lashing Capacity [LC / daN]	Standard Tension Force [STF / daN]	Weight / pcs. [kg]
2009053	RTGH-8-10	8	5000	2300	3,7
2009054	RTGH-10-10	10	8000	2800	5.9
2009055	RTGH-13-10	13	13 400	3600	9,4



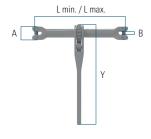
GIN	Length min. [mm]	Length max. [mm]	A [mm]	H [mm]	Y [mm]
2009053	340	500	50	98	383
2009054	365	525	50	122	390
2009055	365	525	72	160	393



#### Ratchet Chain Load Binder EXOSET®. Grade 10 (EN 12195-3)

Clevis with bolt on both sides. Equipped with a safety unit against turning out of the spindle.

GIN	Marking	Chain Ø [mm]	Lashing Capacity [LC / daN]	Standard Tension Force [STF / daN]	Weight / pcs. [kg]
2009050	RTCL-8-10	8	5000	2300	3,5
2009051	RTCL-10-10	10	8000	2800	5.5
2009052	RTCL-13-10	13	13 400	3600	7,1



GIN	Length min. [mm]	Length max. [mm]	A [mm]	B [mm]	Y [mm]
2009050	312	472	40	10	383
2009051	337	497	49	13	390
2009052	347	507	64	16	393

Ratchet Chain Load Binders EXOSET®



#### Ratchet Chain Load Binder EXOSET®. Grade 10 (EN 12195-3)

Eye with pressed flat on both sides. Equipped with a safety unit against turning out of the spindle.

GIN	Marking	Chain Ø [mm]	Lashing Capacity [LC / daN]	Standard Tension Force [STF / daN]	Weight / pcs. [kg]
2009056	RTEF-8-10	8	5000	2300	2,6
2009057	RTEF-10-10	10	8000	2800	4,3
2009058	RTEF-13-10	13	13 400	3600	5,1



GIN	Length min. [mm]	Length max. [mm]	Y [mm]	G [mm]	H [mm]
2009056	340	500	383	24	52
2009057	365	525	390	34	52
2009058	365	525	393	42	60



#### About the lashing chain standard EN 12195-3

EN12195-3 describes chains that can be used for lashing cargo for road transport. These chains are most often short link chains with specific hooks or rings to be fixed on the vehicle and/or the cargo. The major difference with lifting chains is a tensioning device. This tensioning device can be a non-removable part of the chain (Illustration 1), or can be a separate device that is fixed somewhere along the chain that has to be tensioned. Lashing chains in accordance with DIN EN 12195-3 are perfect for diagonal lashing of heavy loads. In order to comply with the EN 12195-3 standard, it is necessary that there are devices capable of preventing loosening during transport. This would in fact compromise the effectiveness of the fastening. The post tensioning clearance must also be limited to 150 mm, in order to avoid the possibility of load movements with consequent loss of tension due to settling or vibrations.

For information on the correct use of lashing chains and their maintenance, please refer to our original operating instructions.

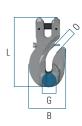




Grab Hooks for Lashing EXOSET®



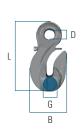




#### Clevis Grab Hook EXOSET® with Safety Pin. Grade 10 (EN 1677)

GIN	Marking	Lashing Capacity [LC / daN]	WLL [t]	<b>B</b> [mm]	<b>G</b> [mm]	<b>L</b> [mm]	<b>0</b> [mm]	Weight / pcs. [kg]
2009059	CGHP-8-10	5000	2,5	54	35	110	10	0,5
2009060	CGHP-10-10	8000	4,0	75	57	137	14	1,0
2009061	CGHP-13-10	13 400	6,7	97	16	180	15	2,2





#### Eye Grab Hook EXOSET® with Safety Pin. Grade 10 (EN 1677)

GIN	Marking	Lashing Capacity [LC / daN]	<b>WLL</b> [t]	<b>B</b> [mm]	<b>D</b> [mm]	<b>G</b> [mm]	<b>L</b> [mm]	Weight / pcs. [kg]
2008898	EGHP-8-10	5000	2,5	54	16	35	110	0,5
2008899	EGHP-10-10	8000	4,0	75	21	57	137	1,0
2008900	EGHP-13-10	13 400	6,7	97	27	64	180	2,1



#### Only the original fits correctly

For your own and the public safety, please use only original ExoSet® chain lashing grab hooks according to EN 1677 for the shortening of your ExoSet® lashing chain assembly. Only these Grab Hooks have been tested in combination with our ExoSet® chains and guarantee the full lashing capacity of the chain lashing assembly.

#### Preventing unintentional release

According to EN 12195-3 connecting parts like sling hooks and shortening parts like grab hooks must have a device preventing them from unintentional release. Our ExoSet® grab hooks for lashing got a safety pin for that reason. Please do not use regular grab hooks without a safety pin for chain lashing.

#### **Build your own Ratchet Chain Load Binder**

You can use our ExoSet® Clevis Ratchet Load Binder to create your own version according to your needs. For example, on one side with a sling hook and on the other side with a grab hook (Illustration 2).

Lashing calculator

#### SpanSet Lash-Controller is your daily tool for load safety

# The tried-and-tested SpanSet lashing force app, with over 100,000 users, relieves drivers of tricky calculation tasks, simplifies angle measurement and keeps an eye on current standards and guidelines.

The lashing force app offers a very clear and easy-to-understand user interface and makes calculating the required lashing straps child's play. Using a slider or direct input of the coefficients of sliding friction, angle of inclination and pretensioning forces, as well as the acceleration in the direction of travel and the K-factor, the application program directly displays the number of lashing straps required for a given pretensioning force (STF) in just a few steps. For the angle of inclination, the angle can even be calculated or precisely displayed by the position sensors in the smartphone.

The calculation of the load securing values is carried out optionally according to the guidelines of VDI 2700 ff and/or DIN EN 12195. The additional option of documenting the load distribution plan and storing photos makes the lashing force app a mobile added value in load securing.

#### Input of:

- Sliding friction coefficients
- Inclination angle
- Pretensioning forces
- Acceleration in direction of travel
- K-factor

#### Languages:

- German, English, Dutch, Italian, Portuguese, Spanish
- Other languages are automatically smartphone settings, are automatically activated.

#### Calculation:

- According to the old and the new version of DIN EN 12195 possible
- According to the guidelines of VDI 2700 ff

#### Other features:

- Easy to understand user interface
- Documentation of the load distribution plan
- Deposit of photos



Free Download!















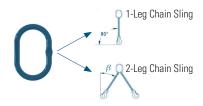


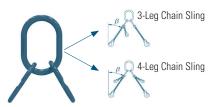


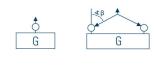
Master Links, Master Link Assemblies EXOSET®

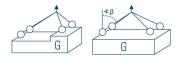


#### **Examples**









#### Selecting the correct Master Link or Master Link Assebly

To ensure proper and safe connection between a master link and a crane hook, it is crucial to follow certain guidelines. The master link must be **20% wider** than the width of the bowl of the crane hook. This ensures a correct bearing-to-bearing connection between the radiused area of the master link and the bowl of the hook. It is important that there is no gap or light visible between these two points. If there is any light visible, as shown in the picture, it can create a shear point on the master link, potentially resulting in a catastrophic failure. Additionally, improper connection can lead to premature wearing of the crane hook, necessitating costly replacement. Therefore, it is essential to ensure a proper fit and connection to maintain safety and prevent damage. In our EXOSET® range you will therefore find Master Links in different sizes so that you can always choose a secure connection between the crane hook and the Master Link.

#### What other criteria should be considered when selecting Master Links?

Establishing secure connections in lifting applications is crucial, especially when considering master links for various sling configurations. The design of master links must align with the intended number of strands in the lifting arrangement.

In the case of a **two-leg sling**, the master link is designed to support up to two sling connections at its lower end. For a **four-leg sling**, direct connection of four loaded legs to the master link is prohibited. Instead, a Multi-Master Link Assembly is employed, multiplying the two-leg configuration to accommodate four legs. Each master link within the assembly can handle two sling connections. The configuration becomes more intricate with a **three-leg sling**. Although older documentation might depict three legs connected to a single link, this practice is now generally forbidden for safety reasons. The recommended approach mirrors that of the four-leg arrangement. By utilizing one sling on one of the intermediate master links, a safe and compliant three-leg configuration is achieved. Adhering to industry guidelines and safety regulations is paramount when configuring lifting slings to ensure both safety and efficacy. Restrictions on the number of legs connected to a single master link are in place to prevent overloading and maintain the integrity of the lifting setup. Always consult current documentation and adhere to relevant standards for the most accurate and up-to-date information within your specific industry or region.

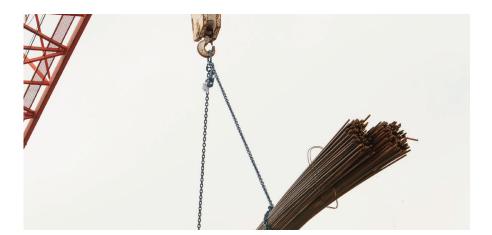
#### What to consider with regard to the working load limit?

The method by which master links establish connections is of utmost importance in lifting operations. It's crucial to carefully select the Working Load Limit (WLL) of the master link based on the specific weight of the load. Detailed information regarding WLL (Working Load Limit) can be found in the this brochure.

When dealing with multiple leg slings, it is essential to rate them at either 45 or 60 degree angles, as the distance between any two lifting points will invariably form an angle less than 90 degrees.

For a two-leg sling, the process is straightforward - the Master Link is designed to support up to two sling connections at its lower end. In the case of a four-leg sling, it's imperative not to connect four loaded legs directly to the end of the master link, as this is prohibited. Instead, a recommended solution involves using a Master Link Assembly, effectively multiplying two by two to accommodate four legs. Navigating three-leg slings presents challenges. While older documentation may illustrate three legs into a single link, this practice is generally forbidden for safety reasons. The correct approach aligns with the four-leg arrangement: utilizing one sling on one of the intermediate master links to ensure compliance with current safety standards. Always adhere to the specified angles on the tag, and consider the load weight, adhering to proper configuration details for safe and efficient lifting operations.

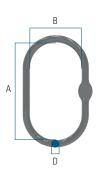
With unbalanced loads, it is essential that you take other factors into account. Please contact SpanSet - we will be happy to help you.



Master Links, Master Link Assemblies EXOSET®

# Oversized Master Link EXOSET® with pressed flat. Grade 10 (EN 1677)

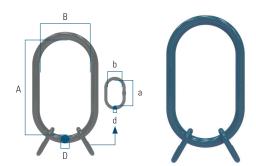
GIN	Marking	WLL [t]	<b>A</b> [mm]	B [mm]	<b>D</b> [mm]	Weight / pcs. [kg]
2027112	OMLS-10-10	2,5	340	180	27	3,7
2027113	OMLS-13-10	4,0	340	180	33	4,7
2027114	OMLS-16-10	7,5	340	180	40	7,0
2027115	OMLS-20-10	10,0	340	180	45	8,9





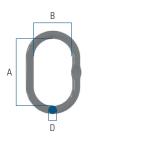
# Oversized Master Link Assembly EXOSET $^{\! \circ}$ with pressed flat. Grade 10 $(EN\ 1677)$

	-		-						
GIN	Marking	WLL [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	a [mm]	<b>b</b> [mm]	<b>d</b> [mm]	Weight / pcs. [kg]
2027107	OMLA-108-10	5,6	340	180	27	80	40	16	5,1
2027108	OMLA-1310-10	9,5	340	180	33	100	45	20	8,0
2027109	OMLA-1613-10	14,0	340	180	40	115	50	25	12,8
2027110	OMLA-2016-10	21,2	340	180	45	140	70	28	15,9



#### Large Master Link EXOSET® with pressed flat. Grade 10 (EN 1677)

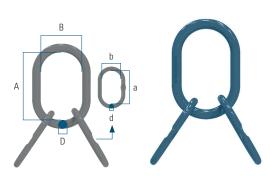
•			•			
GIN	Marking	<b>WLL</b> [t]	<b>A</b> [mm]	<b>B</b> [mm]	<b>D</b> [mm]	Weight / pcs. [kg]
2018576	MLF-86-10	2,5	120	70	14	0,4
2018587	MLF-108-10	4,0	140	80	17	0,8
2018588	MLF-1310-10	7,5	160	95	22	1,5
2018589	MLF-1613-10	10,0	190	110	28	2,5
2018590	MLF-2016-10	17,0	240	140	34	5,2





# Large Master Link Assembly EXOSET® with pressed flat. Grade 10 (EN 1677)

GIN	Marking	<b>WLL</b> [t]	<b>A</b> [mm]	<b>B</b> [mm]	<b>D</b> [mm]	<b>a</b> [mm]	<b>b</b> [mm]	<b>d</b> [mm]	Weight / pcs. [kg]
2018575	MLA-6-10	3,5	150	90	19	120	70	14	1,8
2018583	MLA-8-10	5,3	160	95	22	140	80	17	3,0
2018584	MLA-10-10	11,5	200	120	30	160	95	22	6,5
2018585	MLA-13-10	17,0	250	150	40	200	120	30	15,0
2018586	MLA-16-10	28,0	300	200	50	200	120	32	23,0



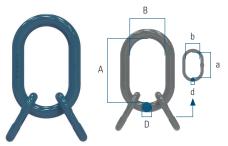
Master Links, Master Link Assemblies and Connecting Links EXOSET®





#### Master Link EXOSET® with pressed flat. Grade 10 (EN 1677)

[t]	[mm]	<b>B</b> [mm]	<b>D</b> [mm]	Weight / pcs. [kg]
2,5				
4,0				
7,5				
10,0				
27,0				
	2,5 4,0 7,5 10,0	2,5 4,0 7,5 10,0	2,5 4,0 7,5 10,0	2,5 4,0 7,5 10,0



# Master Link Assembly EXOSET® with pressed flat. Grade 10 (EN 1677)

GIN	Marking	WLL [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	a [mm]	<b>b</b> [mm]	<b>d</b> [mm]	Weight / pcs. [kg]
2025100	MLAS-6-10	3,5	135	75	19	84	25	13	1,3
2025101	MLAS-8-10	5,3	160	90	23	70	35	16.5	2,33
2025102	MLAS-10-10	11,5	180	100	27	85	40	19	3,7
2025103	MLAS-13-10	17,0	200	110	33	115	50	23	6,5
2025104	MLAS-16-10	28,0	260	140	36	140	65	27	10,1

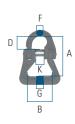




# **Connecting Link EXOSET® Grade 10** (EN 1677)

GIN	Marking	WLL [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	L [mm]	Weight / pcs. [kg]
2018578	HCE-6-10	1,4	44,5	14	7,6	60	0,08
2018579	HCE-8-10	2,5	61,5	18,5	10	84,5	0,18
2018580	HCE-10-10	4,0	72	23	12,6	97,2	0,34
2018581	HCE-13-10	6,7	89	27,5	16,8	127	0,68
2018582	HCE-16-10	10,0	103	33,5	21	145	1,22





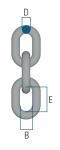
# Sling Connector EXOSET® Grade 8 (EN 1677)

GIN	Marking	<b>WLL</b> [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	<b>F</b> [mm]	<b>G</b> [mm]	<b>K</b> [mm]	Weight / pcs. [kg]
2002619	RSCL-8-10	2,0	63	40	22	9	26	18	0,3
2002620	RSCL-10-10	3,15	76	57	26	12	30	24	0,6
2002621	RSCL-13-10	5,3	94	53	33	15	37	29	1,1
2002622	RSCL-16-10	8,0	114	67	40	19	44	35	1,9

Master Links, Master Link Assemblies and Connecting Links EXOSET®

# Chain EXOSET® Grade 10 (EN 1677)

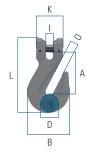
GIN	Marking	<b>WLL</b> [t]	<b>A</b> [mm]	<b>B</b> [mm]	<b>D</b> [mm]	Weight / pcs. [kg]
2000795	KLX-6-10	6	7,8	0,90	18	0,08
2000796	KLX-8-10	8	10,9	1,60	24	0,18
2000797	KLX-10-10	10	13,0	2,50	30	0,34
2000798	KLX-13-10	13	17,5	4,30	39	0,68
2000799	KLX-16-10	16	20,8	6,50	48	1,22





#### **Clevis Grab Hook EXOSET® Grade 10** (EN 1677)

GIN	Marking	<b>WLL</b> [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	<b> </b> [mm]	<b>K</b> [mm]	<b>L</b> [mm]	<b>0</b> [mm]	Weight / pcs. [kg]
2021369	CGH-6-10	1,4	44	47	26	7,5	32	77	8	0,22
2021370	CGH-8-10	2,5	53	54	34	9,5	36	93	11	0,34
2021371	CGH-10-10	4,0	73	72	42	12,5	46	127	13	0,82
2021372	CGH-13-10	6,7	92	96	54	15	59	164	15	1,75
2021373	CGH-16-10	10,0	103	115	75	18,5	70	188	19	2,88





# ${\bf Choosing\ the\ Right\ Grab\ Hooks:\ Understanding\ the\ Differences}$

The non-cradle grab hooks' existence has endured the test of time. It's been a reliable hook that riggers have utilized since alloy chain slings first came into existence. The non-cradle grab hooks use in lifting applications has seen gradual reduction over the years due to safety concerns. The non-cradle grab hook requires that the rigger take a **20% reduction** in sling capacity when used in any overhead lifting application. Due to safety concerns the need for a safer alternative to the non-cradle grab hook led to the development of the cradle grab hook.

#### **EXOSET® Cradle Grab Hooks**

The EXOSET® Cradle Grab Hook cradles the length of a single link along the bottom of the throat opening, allowing enough room for a single link diameter to extend downward from both sides. With the cradle grab hook, there is no requirement for capacity reduction in shortening, choking, or basketing scenarios. As long as the flat barrel portion of the chain link rests on the hook with the weld nugget facing upward in the throat, the rigger can connect the load or shorten the chain without the need for capacity calculations. The cradle grab hook provides a safer and more convenient option for various lifting applications.

# Standard non-cradle grab hook



20% reduction in sling capacity

EXOSET® Cradle Grab Hook

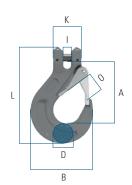


0% reduction in sling capacity

Chains, Grab Hooks and Self Locking Hooks EXOSET®







# Clevis Sling Hook EXOSET® Grade 10 (EN 1677)

GIN	Marking	WLL [t]	A [mm]	B [mm]	<b>D</b> [mm]	<b> </b> [mm]	K [mm]	L [mm]	<b>0</b> [mm]	Weight / pcs. [kg]
2022210	CSHC-6-10	1,4		68,5	21	7,5	32	109	18,5	0,33
2008903	CSHC-8-10	2,5		88	27,5	9,5	37	134	25	0,7
2008904	CSHC-10-10	4,0		105,5	33,5	12	48	161,5	28	1,3
2008905	CSHC-13-10	6,7		134	42	15	59	203	38	2,3
2022211	CSHC-16-10	10,0		160,5	50	17,5	70	248	44	3,6

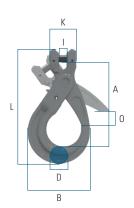




# Eye Self Locking Hook Sling Hook EXOSET® Grade 10 (EN 1677)

GIN	Marking	WLL [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	[mm]	<b>K</b> [mm]	<b>L</b> [mm]	<b>0</b> [mm]	Weight / pcs. [kg]
2018566	ESLH-6-10	1,4	110	70	20	21	43	141	28	0,5
2018567	ESLH-8-10	2,5	137	90	26	27	51	175	35,5	0,9
2018568	ESLH-10-10	4,0	169	108	30	34,5	64,3	212,5	45	1,5
2018569	ESLH-13-10	6,7	209	138,5	40,5	40	80	270	53,5	2,7
2018570	ESLH-16-10	10,0	254	170,5	50,5	50	104	331	62	5,7





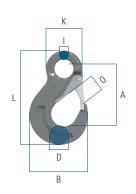
# Clevis Self Locking Hook EXOSET® Grade 10 (EN 1677)

GIN	Marking	WLL [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	<b>I</b> [mm]	<b>K</b> [mm]	<b>L</b> [mm]	<b>0</b> [mm]	Weight / pcs. [kg]
2021374	CSLH-6-10	1,4	96	70	20	7,5	32	131	28	0,5
2021375	CSLH-8-10	2,5	123	90	26	9,5	36	166	35,5	0,9
2021376	CSLH-10-10	4,0	144	109	30	12	46	196,5	45	1,6
2021377	CSLH-13-10	6,7	182	138,5	40,5	15	59	251	53,5	2,9
2021378	CSLH-16-10	10,0	217	170,5	50,5	17,5	70	303	62	5,8

Sling Hooks and Self Locking Hooks EXOSET®

# Eye Sling Hook EXOSET® Grade 10 (EN 1677)

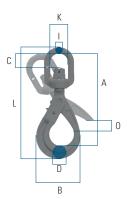
GIN	Marking	WLL [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	<b> </b> [mm]	<b>K</b> [mm]	L [mm]	<b>0</b> [mm]	Weight / pcs. [kg]
2018557	ESHC-6-10	1,4		68,5	21	10	20,5	111	18,5	0,32
2018561	ESHC-8-10	2,5		88	27,5	11	25	137,5	25	0,6
2018562	ESHC-10-10	4,0		105,5	33	16	34	171,5	28	1,2
2018563	ESHC-13-10	6,7		134	43,5	19	43	219	38	2,2
2018564	ESHC-16-10	10,0		160,5	50	24,5	50	260	44	3,5





# Swivel Self Locking Hook EXOSET® Grade 10 (EN 1677)

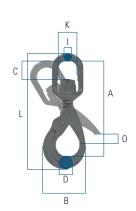
GIN	Marking	<b>WLL</b> [t]	A [mm]	<b>B</b> [mm]	C [mm]	<b>D</b> [mm]	<b>I</b> [mm]	<b>K</b> [mm]	<b>L</b> [mm]	<b>0</b> [mm]	Weight / pcs. [kg]
2018571	SHSL-8-10	2,5	190	90	28	40	13	49	229	40	1,1
2018572	SHSL-10-10	4,0	227	108	35	46	16	58	269	48	2,0
2018573	SHSL-13-10	6,7	272	138,5	40	66	17	67	330	63	4,0
2018574	SHSL-16-10	10,0	344	170,5	56	75	22	83	413	75	6,8





# Swivel Self Locking Hook with Ball Bearing EXOSET® Grade 10 (EN 1677)

GIN	Marking	<b>WLL</b> [t]	A [mm]	<b>B</b> [mm]	C [mm]	<b>D</b> [mm]	<b>I</b> [mm]	K [mm]	<b>L</b> [mm]	<b>0</b> [mm]	Weight / pcs. [kg]
2027118	SHBB-8-10	2,5	202	90	39	20	13	41	243	40	1,1
2027119	SHBB-10-10	4,0	244	108	48	26	16	48	289	48	2,0
2027120	SHBB-13-10	6,7	292	138	57	33	27	55	351	63	4,0
2027121	SHBB-16-10	10,0	346	170	62	38	40	62	422	75	6,8

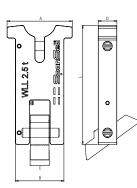




Road Plate Lifter and Ligth Hook EXOSET®







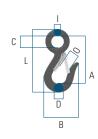
# Road Plate Lifter EXOSET® Grade 10 (EN 1677)

GIN	Marking	WLL [t]	A [mm]	B [mm]	C [mm]	<b>D</b> [mm]	<b>L</b> [mm]	Weight / pcs. [kg]
2000387	PA8/2,5	2,5	70	52	22	20	128	1,0

- Ensures balance and control during lifting and placement
- Consists of a receiver plate and a lifting tool
   Receiver is flush welded into the centre of each steel trench plate

The simple design gives our Road Plate Lifters an advantage of safety, ease of use and reliability.





#### **Light Hook EXOSET® Grade 10** (EN 1677)

GIN	Marking	WLL	Α	В	C	<b>D</b>		L	0	Weight / pcs.
		[t]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
2022196	EFSH500	0,5		68	28	15	8	123	19,5	0,24

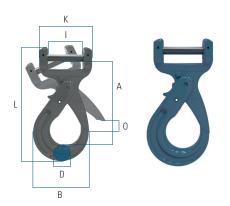
- Perfect for small anchor points
- Suitable for lifting motors or batteries
- Ideal in combination with a lightweight SpanSet web sling assembly

Self Locking Webbing Hook and Connecting Link for Webbing EXOSET®



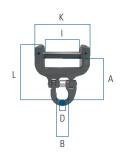
# **Self Locking Webbing Hook EXOSET® Grade 10** (EN 1677)

GIN	Marking	WLL [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	<b> </b> [mm]	<b>K</b> [mm]	<b>L</b> [mm]	<b>0</b> [mm]	Weight / pcs. [kg]
2024250	WHSL-8-10	2,5	163	109	27	65	98	218	45	1.8



# **Connecting Link for Webbing EXOSET® Grade 10** (EN 1677)

GIN	Marking	WLL [t]	A [mm]	<b>B</b> [mm]	<b>D</b> [mm]	<b>[</b> [mm]	<b>K</b> [mm]	L [mm]	Weight / pcs. [kg]
2024679	WHCE-8-10	2,5	77	23	10	65	98	114	0.8







# **Inspection and Repair Service**

Lifting equipment, regardless of its type, will likely require repairs at some point during its working life. To get your lifting gear repaired, follow these steps and ensure you have the necessary paperwork for your records.

- 1. Determine the specific repairs needed: The nature of repairs will vary depending on the type of equipment. For example, a chain sling may require removal of a damaged link, while an electric hoist might need replacement electrical components. Identify the specific repairs required for your equipment.
- 2. Find a reliable repair service: Look for a reputable repair service that specializes in lifting equipment repairs. Ensure they have experienced engineers who can handle different types of equipment repairs effectively.
- 3. Transport your equipment for repair: If possible, transport your lifting equipment to the repair service's workshop. This allows their engineers to assess and repair the equipment efficiently.
- 4. Timely turnaround: A reliable repair service aims for a quick turnaround. They will promptly repair your equipment and return it to you in full working order. However, note that for complex repairs or the need for specialist parts, the process might take longer.
- 5. Certification and testing: After repairs, lifting equipment must undergo testing to ensure it is safe to use and can handle the stated safe working load limit. Load testing is typically conducted. Additionally, some equipment may require certification for safe working load capacity or updated documentation for compliance with health and safety regulations.
- 6. Maintain equipment properly: To prevent frequent repairs, it is important to take proper care of your lifting equipment. Adhere to recommended maintenance practices, conduct regular inspections, and address any potential issues promptly.

By following these steps and prioritizing proper maintenance, you can ensure the safety, efficiency, and cost-effectiveness of your lifting equipment.

Do you have any questions regarding test and service of lifting equipment? Please contact SpanSet - we will be happy to help you.



Spare Parts – Latch Kits for Repairs EXOSET®

#### **Latch Kits for Sling Hooks EXOSET®**

DHC6	CSHC-6-10 / ESHC-6-10
DHC8	CSHC-8-10 / ESHC-8-10
DHC10	CSHC-10-10 / ESHC-10-10
DHC13	CSHC-13-10 / ESHC-13-10
DHC16	CSHC-16-10 / ESHC-16-10
	DHC8 DHC10 DHC13



#### **Latch Kits for Grab Hooks with Safety Pin EXOSET®**

GIN	Item name short	Suitable for hooks with marking
2009100	RDHP8	CGHP-8-10 / EGHP-8-10
2009101	RDHP10	CGHP-10-10 / EGHP-10-10
2009102	RDHP13	CGHP-13-10 / EGHP-13-10



#### **Latch Kits for Self Locking Hooks EXOSET®**

	•	
GIN	Item name short	Suitable for hooks with marking
2021519	RDLH6	CSLH-6-10 / ESLH-6-10
2021520	RDLH8	CSLH-8-10 / ESLH-8-10 / SHSL-8-10
2021521	RDLH10	CSLH-10-10 / ESLH-10-10 / SHSL-10-10
2021522	RDLH13	CSLH-13-10 / ESLH-13-10 / SHSL-13-10
2021523	RDLH16	CSLH-16-10 / ESLH-16-10 / SHSL-16-10



## Load Pin for Clevis Hooks EXOSET®

GIN	Item name short	Suitable for hooks with marking
0		CGH-6-10 / CSHC-6-10 / CSLH-6-10
0		CGH-8-10 / CSHC-8-10 / CSLH-8-10
0		CGH-10-10 / CSHC-10-10 / CSLH-10-10
0		CGH-13-10 / CSHC-13-10 / CSLH-13-10
0		CGH-16-10 / CSHC-16-10 / CSLH-16-10



Tags and Connectors for Tags





2002631





2002631

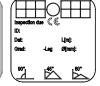




#### Tag for Lashing Chains SpanSet®

GIN Language of the Marking		Measurements of the Tag [mm]			
2002631	English	62 x 42 x 2mm			
2002003	German and French	62 x 42 x 2mm			















#### Tag for Lifting Chain Assemblies SpanSet®

GIN	Language of the Marking	Measurements of the Tag [mm]		
2002632	English	70 x 70 x 2mm		
2002004	German and French	70 x 70 x 2mm		
2002648	Spanish and French	70 x 70 x 2mm		
2002499	Language neutral	60 x 60 x 2mm		

2002499





### Wire Seal Stainless Steel for SpanSet® Tags









Edge Protection secutex®

More information about edge protection products for chains under **www.secutex.com** 

#### secutex® Chain Sleeve

Suitable for Chain Diameter [Ø]	Maximum Length [m]	Height [mm]	Width [mm]
6	2	27	27
8	2	33	33
10	2	38	38
13	2	50	50
16-18	2	63	63
20	2	74	74
22	2	89	89



#### secutex® Hinged Edge Protector for Chains

• •		
Suitable for Chain Diameter $[\emptyset]$	<b>Width</b> [mm]	Hinge Length [mm]
6	32	80
8	44	95
10	54	110
13	65	140
16	80	160
20	90	180
22	100	200



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SpanSet® Inter AG				
<b>SpanSet® Inter AG</b> Samstagernstrasse 45 8832 Wollerau				
Tel 044 787 76 60				