

LINKS

Application information

Links are used in lifting, mooring and anchor legs

Master links (SC1) are used on 1 or 2 leg systems

Master link assemblies (SC5) are used on 2- 3 and 4 leg systems

Connecting links (SC2) are mainly used in pennant lines.

CR and Pear connectors (SC3 and SC4) are used for chain assembly and CR-Socket assemblies.

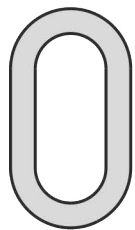
Chain adapters (SC7) are used for anchor chain legs.

Instructions for use

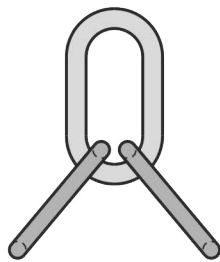
Master links and master link assemblies: Most of the time the load bearing component that is in connection with a link is of a rounded shape. Point loading of links is allowed but the minimum diameter of a rounded component should be equal or bigger than the diameter of the link being used. Bigger diameters to increase contact area can be beneficial. Sharp edges should be avoided.

Stress that leads to a non-uniform load distribution, e.g. which is caused as a result of an off-centre introduction of force must be taken into account when selecting the lifting accessories and their components

CR, Pear and **chain adapters**, have the same proof load and break load as the applied anchor chain size and grade. For more information see application information mooring.

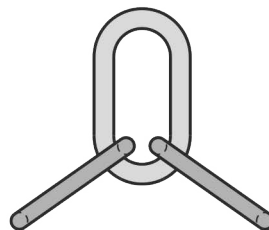


100% WLL



0° - 90°

100% WLL



90° - 120°

70% WLL

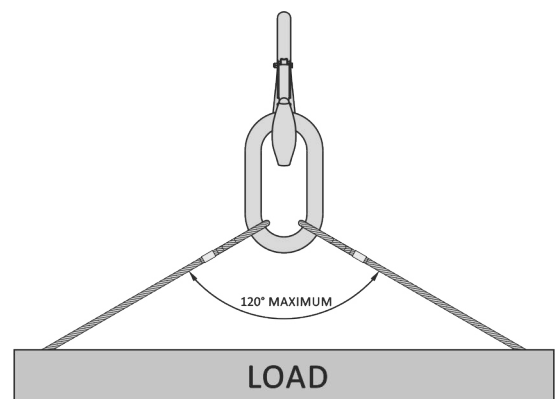


70% WLL

Temperatures

If extreme temperature situations are applicable, the following load reduction must be taken into account:

Temperature	Reduction for elevated temperatures New Working Load Limit
up to 200°C	100% of Rated Working Load Limit
200°C - 300°C	70% of Rated Working Load Limit
300°C - 400°C	50% of Rated Working Load Limit
> 400°C	not allowed



Inspection

Inspection should take place at least every six months and even more frequently when the links are used in severe operating conditions.

Links should be inspected before use to ensure that:

- All markings are legible
- Links are not distorted or unduly worn
- The links are free from nicks, gouges, cracks and corrosion
- Links may not be heat treated as this may affect their Working Load Limit
- Never modify, repair or reshape links by machining, heating or bending as this will affect the Working Load Limit
- Welding on links is not allowed

Loads installation link

	Grade R3 (kN)	Grade R3S (kN)	Grade R4 (kN)	Grade R4S (kN)	Grade R5 (kN)
Proof load	0.0156D ² (44-0.08D)	0.0174D ² (44-0.08D)	0.0192D ² (44-0.08D)	0.0213D ² (44-0.08D)	0.0223D ² (44-0.08D)
Break load	0.0223D ² (44-0.08D)	0.0249D ² (44-0.08D)	0.0274D ² (44-0.08D)	0.0304D ² (44-0.08D)	0.0320D ² (44-0.08D)

D is 0.6 * the chain nominal diameter

Markings

As a minimum the following markings must be hard stamped in the link.

- Applicable Working load or Proof load.
- Brand mark
- Production number

