

Crosby® Kuplex®

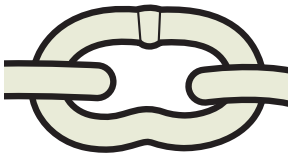
Maintenance

Inspection

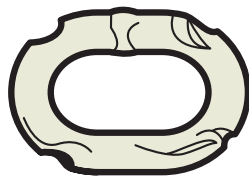
Crosby KUPLEX chain slings should be checked before each period of use and the sling withdrawn from service and referred to a competent person if any of the following are observed:

- Distortion of the links, connectors or hooks
- Stretch in any link of the chain links
- Wear in the chain, especially between adjoining links. The mean diameter at any point should be no less than 90% of the nominal chain diameter. SEE TABLE BELOW

Bent Link



Gouged Link



- Cuts, nicks, gouges, cracks, excessive corrosion, heat discolouration or any other defects
- Signs of any increase in the throat opening of hooks. This should not exceed 10% of the nominal value or be such as to allow the safety latch, if fitted, to become disengaged.

Thorough Examination

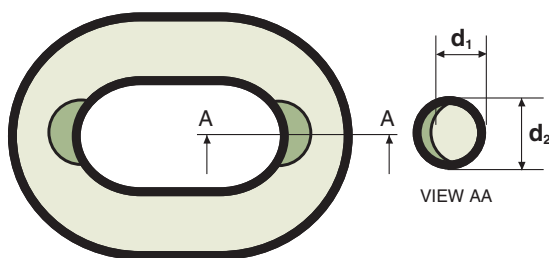
It is a requirement of the European Standards for Grade 8 chain slings that a thorough examination should be carried out by a competent person at intervals not exceeding twelve months. This maximum interval may be less where legal requirements differ throughout the European Union. For example in the UK the majority of industry sectors apply a maximum interval of six months.

- Where slings are in constant use, or the conditions of use are severe, it is advisable to carry out more regular inspections.
- Never attempt on-site repair of Crosby KUPLEX slings.
- Your Crosby KUPLEX distributor will carry out the examination and any necessary repair, and provide a suitable record for you to enter in your register of lifting equipment.

Limits of Allowable Wear in Crosby KUPLEX Grade 8 and 10 Chains

If it were possible to define allowable wear in precise and simple terms, there would be less need to employ skilled and experienced examiners. The fact is that the decisions as to what is allowable and what is not can be highly subjective and need to take into account a variety of conditions and circumstances. The most common form of wear is that which occurs at the internal inter-link locations and, in order to detect this condition, it is necessary to manipulate the links in such a way as to allow examination and measurement at these points. It should be noted that in the chain in

Nominal Diameter (mm)	Minimum Mean Diameter (mm) $\leq \frac{d_1 + d_2}{2}$
7	6.3
8	7.2
10	9
13	11.7
16	14.4
19	17.1
23	20.7
26	23.4
32	28.8



new condition, there may have been some flattening of the material at the link intrados due to contact with the forming mandrel and it is standard practice to determine the diameter of the material in the chain as new by taking the mean of two measurements at right angles in the same plane as d_1 and d_2 .

Legal Requirements

Supply

All new Crosby KUPLEX chain slings supplied within EU Member States fully comply with the essential health and safety requirements of the Machinery Safety Directive 2006/42/EC. Each country is bound to implement this directive with national legislation e.g. in the United Kingdom the applicable regulations are the Supply of Machinery Regulations 1998.

Use

Once a Crosby KUPLEX sling has been first put into service within a EU Member State, different EU Directives apply to its subsequent use.

These are the Use of Work Equipment Directive (98/655/EEC) and its amending Directive 95/63/EC. Member States were bound to implement this directive with national regulations by 5th December 1998 and in the United Kingdom these are the Lifting Operations and Lifting Equipment Regulations (LOLER) which are part of the Provision & Use of Work Equipment Regulations (PUWER) relevant to lifting equipment.