

Crosby® Kuplex®

Limitations on Use

Due to risk of embrittlement, Crosby KUPLEX slings should not be used in acid or caustic solutions nor in heavily acidic or caustic-laden atmospheres. In uncertain conditions consult your distributor.

Crosby KUPLEX slings must not be heat-treated, galvanised, plated, coated or subject to any process involving heating or pickling. Each of these processes can have dangerous effects and will invalidate the manufacturer's certificate.

Crosby KUPLEX slings may be used at temperatures down to -40°C with no reduction in the working load limit. The use of Crosby KUPLEX chain slings within the permissible temperature range in the tables shown does not require any permanent reduction in working load limit when the chain sling is returned to normal temperatures. A sling accidentally exposed to temperatures in excess of the maximum permissible should be withdrawn from service immediately and returned to the distributor for thorough examination.

Sling Temperature	Reduction in Working Load Limit	
	Grade 8	Grade 10
-40°C to 200°C	None	None
200°C to 300°C	10%	DO NOT USE
300°C to 400°C	25%	
Above 400°C	DO NOT USE	

When using Crosby KUPLEX slings in exceptionally hazardous conditions, the degree of hazard should be assessed by a competent person and the working load limit adjusted accordingly. Examples include the lifting of persons and lifting of potentially dangerous loads such as molten metals, corrosive materials or fissile material and certain offshore activities.

Before First Use

No sling should be put into use until a valid Test Certificate has been supplied.

Check that the sling is precisely as ordered and all chain and components are marked 'KUPLEX' or 'CGK'.

Check that all identification references and working load limits marked on the sling correspond with the information on the sling Manufacturer's Certificate.

Before Each Use

Before each use a Crosby KUPLEX sling should be subject to inspection with a visual check on the condition of the chain sling to identify obvious damage or deterioration which might affect its fitness for use. Withdraw the sling from service if in any doubt.

In Use

Never exceed the working load limit (WLL) marked on the sling.

Strictly observe the marked restriction on the angle of the sling legs.

Take into consideration the cumulative effect of de-rating depending on the method of slinging to ensure that the chain sling selected has a working load limit (WLL) equal to or greater than the mass to be lifted.

Ensure that the master link articulates freely on the hook of the crane or other lifting appliance.

The crane hook should be positioned over the centre of gravity of the load and the sling rigged from that point, using shortening clutches for leg adjustment where necessary.

Make sure that the load is free to move and is not bolted or held down in any way. Check also that there are no obstacles to making the lift.

Do not leave a suspended load unattended.

When a chain is used in choke hitch, i.e. with the sling legs passed around the load and hooked or linked back onto the chain, the working load limit (WLL) of the chain sling should be no more than 80% of that marked.

The working load limits stated in EN 818-4 have been determined on the basis that the loading of the chain sling is symmetrical.

This is when the sling legs are symmetrically (i.e. equally) disposed in plan and all have the same angle to the vertical. For unequally loaded Crosby KUPLEX chain slings the lift should be referred to a competent person to establish a safe rating for the chain sling. Alternatively in the case of asymmetric loading, the chain sling should be rated at half the marked WLL.

ATLAS LIFTING EQUIPMENT LTD.			
MANUFACTURER'S CERTIFICATE & EC DECLARATION OF CONFORMITY. LIFTING ACCESSORIES		REFERENCE NO: CMF16863	
MANUFACTURED BY: ATLAS LIFTING EQUIPMENT LTD. TITAN WORKS PROMETHEUS STREET LINCOLN LN1 2NS		SUPPLIED TO: SAMSON CASTINGS PROVIDENCE WORKS LOWER GORNA WEST MIDLANDS DY3 9L	
QTY	DESCRIPTION	IDENTIFICATION NUMBER	WLL
1	KUPLEX GRADE 8 10MM TWO LEG CHAIN SLING FITTED WITH SHORTENING CLUTCHES AND TERMINAL RINGS. KHX10C SAFETY HOOK. REACH 3 MTR COMPONENTS PARTS 1 x KM-C - P2Y246 2 x KSC10N - P5Y246 2 x KHX10C - P1Y213 2 x 2.6 MTRS 10MM KUPLEX 10030RPC GRADE 8 CHAIN - 242967 HARMONISED STANDARD BS EN 818-4	KCS8184	4.25 TONNES 0-45°
ON BEHALF OF THE ABOVE FIRM		DECLARATION OF CONFORMITY	
SIGNED		ON BEHALF OF THE FIRM ABOVE I DECLARE THAT THE PRODUCT DESCRIBED HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE NAMED STANDARD AND CONFORMS TO ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF THE MACHINERY DIRECTIVE 2006/42/EC	
DATE			

An instruction leaflet 'Safe Use of Crosby KUPLEX Chain Slings' should be supplied with each new sling.

Enter details of sling in the register of lifting equipment.

Ensure that personnel who are to use the Crosby KUPLEX sling have received appropriate instruction and training.