

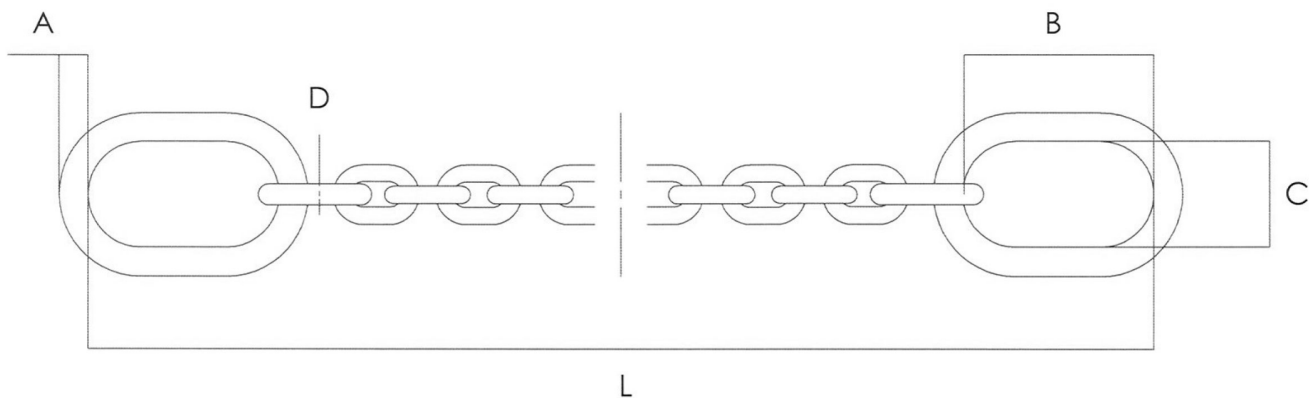


## Grade M (4) Chain Assemblies to EN 818-5:1999

Grade M (Grade 4) chain slings still have a prominent position within the lifting industry. Their ideal use are in areas of extreme temperature or acidic conditions, such as foundries, galvanizing plants etc., where it is not permissible to use Grade 8/10 chain slings. Although within these extreme conditions, the working load limit (W.L.L.) should be reduced accordingly. William Hackett has the ability to manufacture chain slings to customer's individual requirements, conforming to current standards and legislation.

### Collar Sling fitted with Reeveable Links at each end

Test: Individually Tested and Certified



Chain Size (mm)	W.L.L. (t)	A (mm)	B (mm)	C (mm)	D (mm)	E.W.L. (m) L
7	750 Kg	12	70	35	8	TBC
10	1.60	16	100	50	12	TBC
13	2.65	22	145	80	16	TBC
16	4.00	27	180	85	20	TBC
20	6.30	32	200	100	24	TBC

## Endless and Multi-Leg Chain Slings

Finish: Self Colour / Galvanized

Test: Individually Tested and Certified



Chain Size (mm)	Working Load Limit (t) (multi leg included angle from 0-45°)			
	Endless	Single Leg	Double Leg	Three/Four Leg
6	750 Kg	500 Kg	700 Kg	1.0
7	1.1	750 Kg	1.0	1.5
8	1.5	1.0	1.4	2.1
10	2.4	1.6	2.2	3.25
13	4.0	2.65	3.7	5.5
16	6.0	4.0	5.6	8.4
20	9.4	6.3	8.8	13.2

## High Temperature Conditions

Temperature of Sling	Reduction in W.L.L. of Sling (S.W.L.)	Permanent Reduction of W.L.L.
Up to 300° C	Normal W.L.L.	No permanent reduction
*300° C to 350° C	85% of Normal W.L.L.	No permanent reduction
*350° C to 400° C	75% of Normal W.L.L.	No permanent reduction
*400° C to 475° C	50% of Normal W.L.L.	No permanent reduction
Over 475° C	Not recommended, refer to manufacturer	

*\*If the slings are accidentally exposed to temperatures in excess of the maximum permissible temperatures indicated above, they should be withdrawn from service and referred to a Competent person and/or the manufacturer.*

## Acidic Conditions

Chain slings of Grade 4 or Grade M may be used in such an environment subject to the following precautions:

- The safe working load (S.W.L.) of such a sling should not be greater than 50% of the working load limit (W.L.L.)
- The sling should be thoroughly washed in clean water immediately after use
- The sling should be given a thorough examination by a competent person prior to use each day



**William Hackett**

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