HA800 (Gr8) Safety Guide

Maximum Working Load Limit (WLL) in tonnes of 1000kg

2010

Chain Size (mm)	Single Leg Slings: Straight Sling	Single Leg Slings: Adjustable Sling *	Single Leg Slings: Reeved Sling	2, 3, or 4 Leg Slings: Straight Sling 60°	Straight Sling 90°	Straight Sling 120°	Reeved Sling 60°	Reeved Sling 90°	Reeved Sling 120°	Endless Slings: Basket Sling 60°	Basket Sling 90°	Basket Sling 120°	Reeved Sling
6.0	1.1	1.1	0.8	1.9	1.6	1.1	1.5	1.2	0.8	1.5	1.2	0.8	1.7
7.1	1.6	1.6	1.2	2.8	2.3	1.6	2.1	1.7	1.2	2.1	1.7	1.2	2.4
8.0	2.0	2.0	1.5	3.5	2.8	2.0	2.6	2.1	1.5	2.6	2.1	1.5	3.0
10.0	3.2	3.2	2.4	5.5	4.5	3.2	4.1	3.4	2.4	4.1	3.4	2.4	4.8
13.0	5.3	5.3	4.0	9.2	7.5	5.3	6.9	5.6	4.0	6.9	5.6	4.0	8.0
16.0	8.0	8.0	6.0	13.8	11.3	8.0	10.4	8.5	6.0	10.4	8.5	6.0	12.0
20.0	12.5	12.5	9.4	21.6	17.6	12.5	16.3	13.3	9.4	16.3	13.3	9.4	18.8
22.0	15.0	15.0	11.3	26.0	21.2	15.0	19.5	15.9	11.3	19.5	15.9	11.3	22.5
26.0	21.2	21.2	15.9	36.7	29.9	21.2	27.6	22.5	15.9	27.6	22.5	15.9	31.8
32.0	31.5	31.5	23.6	54.5	44.4	31.5	41.0	33.4	23.6	41.0	33.4	23.6	47.3

The values expressed on this table exceed or meet the minimum requirements of AS 3775.2

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WLL applies to both “rectangular” and “circular” loads.

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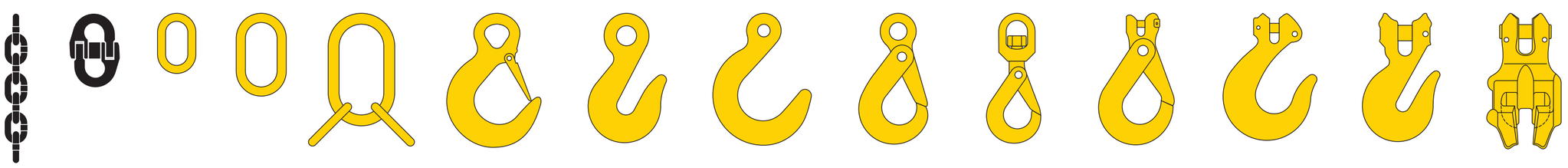
Indicates nip angle which must not exceed 120°

*

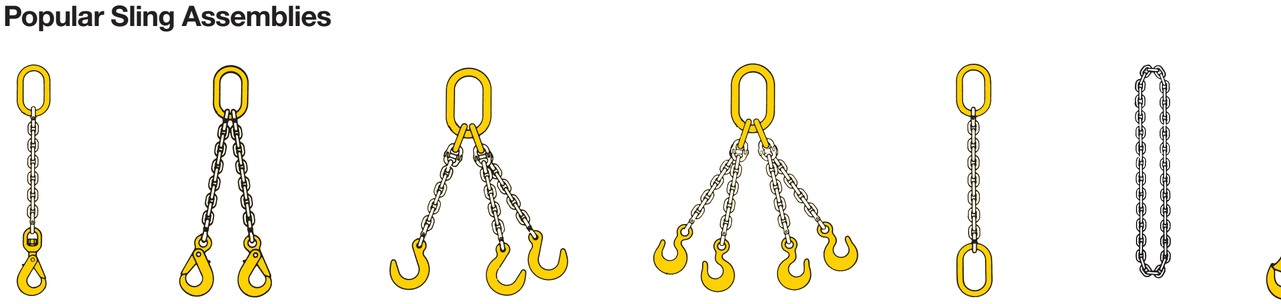
Use of a grab hook without cradle or supporting wings reduces the WLL of straight slings to that of reeved slings.

The above maximum working loads are for general conditions of use to group classification of crane mechanisms of M3 as specified in AS1418.1. They must never be exceeded even at angles less than 60° or even if the load is flexible.

For other than general conditions of use the WLL shall be derated to conform to the group classification of crane mechanisms as specified in AS1418.1



Popular Sling Assemblies



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