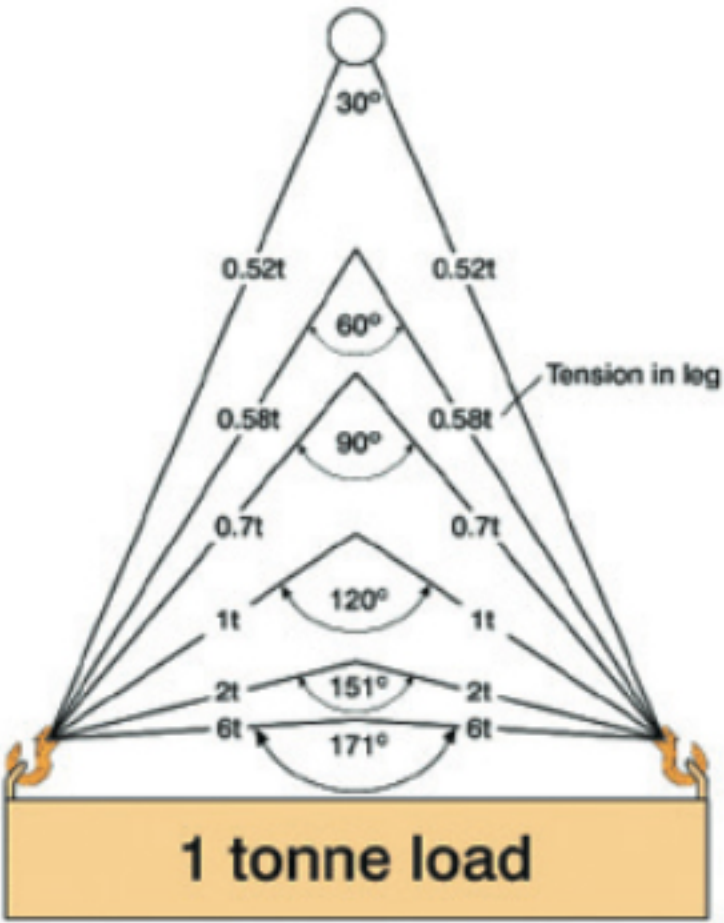
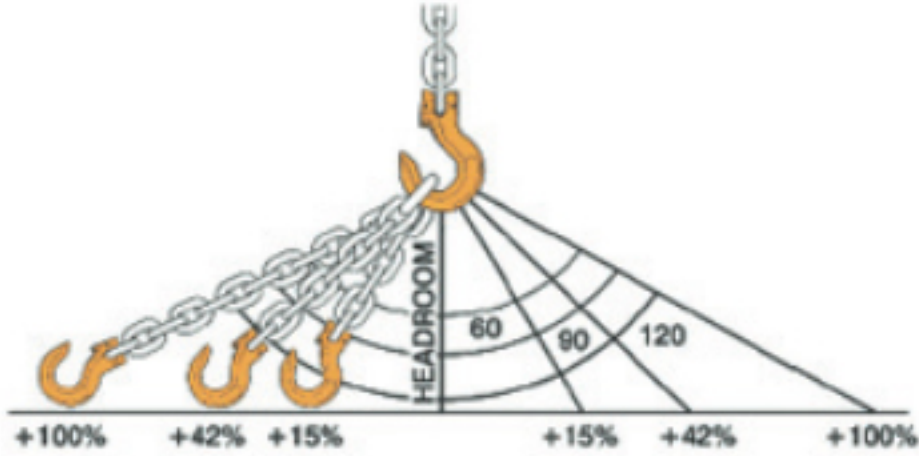


In this catalogue the minimum working load limit for each chain is shown. These ratings are based on ideal conditions, however in practice, working conditions may vary widely. All applications should be assessed by a competent person in order to establish the size and type of sling required.

In the case of multi-leg slings, the angle between the legs is critical. The actual tension on each leg increases as shown in the diagram opposite. For this reason all general purpose chain slings are given a rating based upon use at a range of angles up to 45° to the vertical. A reduced rating is also given for use in the range of angles between 45-60°. Chain slings should never be used at angles greater than 60° to verticle.



A distance between the crane hook and the load is known as the “Head Room”. If a specific head room is required, the “Reach” of the chain sling must increase as the angle between the legs increases as shown opposite.



The reach of a chain sling is the distance between bearing points of the upper and lower terminal fittings. This distance, commonly known as the “Bearing to Bearing” should be quoted when ordering slings. Shortening clutches may be fitted to a sling, making the reach adjustable, hence increasing the versatility of the sling.



Chain Size mm	Straight Lift	Single Leg in Basket Hitch (back hooked onto top link)	Choke Hitch	Basket Hitch
7mm	1.5	1.2	1.2	2.1
8mm	2.0	2.0	1.6	2.8
10mm	3.15	3.15	2.5	4.25
13mm	5.3	5.3	4.2	7.5
16mm	8.0	8.0	6.4	11.5
20mm	12.5	12.5	10.0	17.0
22mm	15.0	15.0	12.0	21.2
26mm	21.2	21.2	17.0	30.0
32mm	31.5	31.5	25.2	45.0

A

B

C

D

All loads shown in tonnes



A



B



C



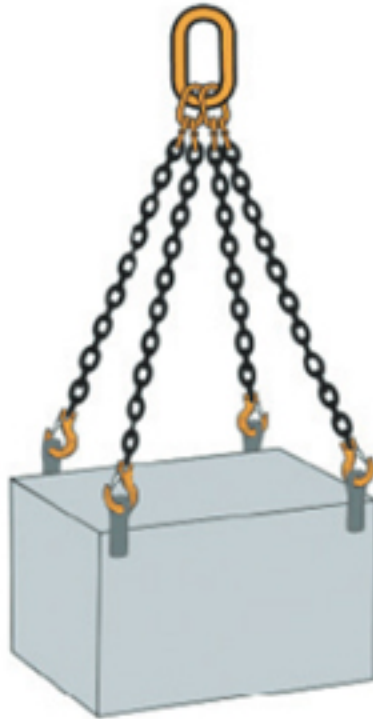
D

Chain Size mm	Straight Lift		Choke Hitch		Double Basket	
	0 - 45°	45° - 60°	0 - 45°	45° - 60°	0 - 45°	45° - 60°
7mm	3.1	2.2	2.5	1.7	3.1	2.2
8mm	4.2	3.0	3.3	2.4	4.2	3.0
10mm	6.7	4.75	5.3	3.8	6.7	4.75
13mm	11.2	8.0	8.9	6.4	11.2	8.0
16mm	17.0	11.8	13.6	9.4	17.0	11.8
20mm	26.5	19.0	21.2	13.2	26.5	19.0
22mm	31.5	22.4	25.5	17.9	31.5	22.4
26mm	45.0	31.5	36.0	25.2	45.0	31.5
32mm	67.0	47.5	53.6	38.0	67.0	47.5

A

B

C



A



B



C

Grade 8 Chain Sling Working Load Chart

Safety factor	1 leg	2 legs		3 or 4 legs		Choker endless sling	Basket sling			
Working angles	—	0°<β≤45°	45°<β≤60°	0°<β≤45°	45°<β≤60°	—	0°<β≤45°	0°<β≤45°	0°<β≤45°	0°<β≤45°
Load factor	1	1.4	1	2.1	1.5	1.6	1.4	2.1	1	1.4
d mm	Grade 8 Chain Sling Working Load Chart									
7	1.50	2.12	1.50	3.25	2.24	2.50	2.12	3.15	1.50	2.12
8	2.00	2.80	2.00	4.25	3.00	3.15	2.80	4.25	2.00	2.80
10	3.15	4.25	3.15	6.70	4.75	5.00	4.25	6.70	3.15	4.25
13	5.30	7.50	5.30	11.20	8.00	8.50	7.50	11.20	5.30	7.50
16	8.00	11.20	8.00	17.00	11.80	12.50	11.50	17.00	8.00	11.20
20	12.50	17.00	12.50	26.50	19.00	20.00	17.00	26.50	12.50	17.00
22	15.00	21.20	15.00	31.50	22.40	23.60	21.20	31.50	15.00	21.20
26	21.20	30.00	21.20	45.00	31.50	33.50	30.00	45.00	21.20	30.00
32	31.50	45.00	31.50	67.00	47.50	50.00	45.00	67.00	31.50	45.00