Laclede Chain Grade 100 Sling Capacities 4 DOUBLE SINGLE 100 [L10] Size Size in 45 VERTICAL 1 hs Grade 1 7,400 6,100 4,300 5/16 5,700 2,600 9,900 4,500 8,100 3,700 5.700 2.600 8 6.950 4.000 3/8 8.800 4.000 15,200 12,400 5,650 8,800 10 acledAlloy 1/2 | 15,000 6,800 26,000 11,800 5/8 22,600 10,300 3/4 35,300 16,000 39,100 61,100 17,750 32,000 27,700 49,900 14,500 22,650 22,600 35,300 10,300 16 20 7/8 42,700 19,400 74,000 33,500 60,400 27,350 42,700 19,400 SL = .75 x W SL = .6 x W Sling Length: Load Width SL SL Angle = SL W 30° 60° 45° 45" = 75 1 ← W=1 → ← W=1→ ← W=1→ 30" = .60:1

Laclede Chain Grade 100 Sling Capacities 5

0	The rigger should		↑ TRIPLE & QUADRUPLE							
Grade 100 [L10	remember that when lifting a rigid load with 4 legs, it is quite common for only three legs to actually pick up the load. We should regard the fourth leg as a stabilizer for con-	Size in inches	60°		45°		30°		Size in mm	
			Lbs.	Kgs.	Lbs.	Kgs.	Lbs.	Kgs.		
		9/32	11,200	5,050	9,100	4,150	6,400	2,950	7	
		5/16	14,800	6,750	12,100	5,500	8,500	3,900	8	
		3/8	22,900	10,400	18,700	8,500	13,200	6,000	10	
9		1/2	39.000	17,650	31,800	14,450	22,500	10,200	13	
LacledAlloy		5/8	58,700	26,650	47,900	21,750	33,900	15,400	16	
		3/4	91,700	41,550	74,900	33,950	53,000	24,000	20	
	not for capacity.	7/8	110,900	50,250	90,600	41,050	64,000	29,050	22	

WARNING: Refer to hoist & rigging equipment manufacturers' specifications for proper applications and limitations.

Grade 80 & 100 Chain Sling Information

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	Tag	Лао	information	verified
-	-	21111		AND DEVICE OF THE

- elongation of chain links
- · Proper chain grade markings Nicks
- Gouges
 Metal loss due to abrasion

Inspection Criteria

- · Distorted chain links, couplers or end fittings
- · Heat damage from weld spatter or a
- furnace-type exposure

 Corrosion or severe pitting
- Component hinge-ability

W	Table	Effect of Heat on Working Load Limit							
Chain Size Min. Allow.		Min. Allow.	Temps	erature	Grad	e 80.	Grade 100		
inches	mm	Dia. (")			Reduction of	Permanent Reduction of	Reduction of	Permanent Reduction of	
9/32	7	.239	(°F)	("C)	Working Load Limit WHILE AT Temperature	Working Load Limit AFTER EXPOSURE to Temperature	Working Load Limit WHILE AT Temperature	Working Load Limit AFTER EXPOSURE to Temperature	
5/16	8	.273	1	(1.57					
3/8	10	.342		_					
1/2	13	.443	Below 400	Below 204	None	None	None	None	
5/8	16	.546	400	204	10%	None	15%	None	
3/4	20	.687	500	260	15%	None	25%	5%	
7/8	22	.750	600	316	20%	5%	30%	15%	
1	26	.887	700	371	30%	10%	40%	20%	
_		1 1000	800	427	40%	15%	50%	25%	
			900	482	50%	20%	60%	30%	
			1000	538	60%	25%	70%	35%	
			Over 1000	Over 538			es all slings ex to be removed		

Laclede Chain Grade 100 Sling Capacities

00 [L10]	Size in inches	SINGLE		80		DOUBLE		30		Size
acledAlloy Grade 10	9/32 5/16 3/8 1/2 5/8 3/4 7/8	Lbs. 4,300 5,700 8,800 15,000 22,600 35,300 42,700	Kgs. 1,950 2,600 4,000 6,800 10,300 16,000 19,400	Lbs. 7,400 9,900 15,200 26,000 39,100 61,100 74,000	Kgs. 3,400 4,500 6,950 11,800 17,750 27,700 33,500	Lbs. 6,100 8,100 12,400 21,200 32,000 49,900 60,400	Kgs. 2,750 3,700 5,650 9,600 14,500 22,650 27,350	Lbs 4,300 5,700 8,800 15,000 22,600 35,300 42,700	Kgs. 1,950 2,600 4,000 6,800 10,300 16,000 19,400	7 8 10 13 16 20 22
2	Sling L	Sling Length : Load Width Ratio (approx.) Angle = SL : W 60° = 1 : 1 45° = .75 : 1		SL/60°	SL= 1 x W	SL /45° ← W:	SL= ∠ .75 x W	SL	SL = .6 x W 0° = 1 →	

aclede Chain Grade 100 Sling Capacities

Lacieue Cii	aiii G	laue	100 31	my c	apaci	liles		(9)
The rigger should remember that when lifting a rigid load with 4 legs, it	Size in inches	TRIPLE & QUADRUPLE 45° 30°						Size in mm
is quite common for only three legs to actually pick up the load. We should regard the fourth leg as a stabilizer for control purposes and not for capacity.	9/32 5/16 3/8 1/2 5/8 3/4	Lbs. 11,200 14,800 22,900 39,000 58,700 91,700 110,900	Kgs. 5,050 6,750 10,400 17,650 26,650 41,550 50,250	Lbs. 9,100 12,100 18,700 31,800 47,900 74,900 90,600	Kgs. 4,150 5,500 8,500 14,450 21,750 33,950 41,050	Lbs. 6,400 8,500 13,200 22,500 33,900 53,000 64,000	Kgs. 2,950 3,900 6,000 10,200 15,400 24,000 29,050	7 8 10 13 16 20 22

WARNING: Refer to hoist & rigging equipment manufacturers' specifications for proper applications and limitations.

Grade 80 & 100 Chain Sling Information

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Inspection Criteria

 Tag /Tag information verified Sling reach and/or localized elongation of chain links

- · Proper chain grade markings
- Nicks
- Gouges

- · Distorted chain links, couplers or end fittings
- Heat damage from weld spatter or a
- furnace-type exposure

 Corrosion or severe pitting

- IVIEU	ai 1055	tude to abra	SIVII	Component ninge-ability							
W	ear	Table		Effect of Heat on Working Load Limit							
Chain Size Min. Allow.			Tempe	rature	Grad	e 80	Grade	9 100			
inches	mm	Dia. (")		Reduction of		Permanent Reduction of	Reduction of	Permanent Reduction of			
9/32	7	.239	("F)	(°C)	Working Load Limit WHILE AT Temperature	Working Load Limit AFTER EXPOSURE to Temperature	Working Load Limit WHILE AT Temperature	Working Load Limit AFTER EXPOSURE to			
5/16	8	.273		1181304							
3/8	10	.342		-				Temperature			
1/2	13	.443	Below 400	Below 204	None	None	None	None			
5/8	16	.546	400	204	10%	None	15%	None			
3/4	20	.687	500	260	15%	None	25%	5%			
7/8	22	.750	600	316	20%	5%	30%	15%			
1	26	.887	700	371	30%	10%	40%	20%			
_	I I I I I I I I I I I I I I I I I I I	New York	800	427	40%	15%	50%	25%			
			900	482	50%	20%	60%	30%			
			1000	538	60%	25%	70%	35%			
			Over 1000	Over 538	OSHA 19 temperatures	10.184 requir over 1000"F	es all slings ex to be removed	posed to from service			