

THE JAMES WALKER CO.

LIFTALL ROUGHNECK MESH SLINGS

Roughneck CHAIN MESH SLINGS

Specialty Slings for rugged applications.

Widely used in metalworking shops, and stevedoring where abrasive conditions or hot environments damage and destroy synthetic slings.

Features, Advantages and Benefits

Promotes Safety

- Each sling permanently stamped with capacity and serial number for traceability
- Steel construction resists abrasion and cutting
- Each sling proof tested and certified

Saves Time

- Width of mesh helps to balance and control loads
- End fittings fit most large crane hooks

Saves Money

- Alloy steel end fittings and Grade 80 Alloy chain resists abrasion and cutting for greater sling life
- Repairable - thus cost effective
- Low stretch and good flexibility reduces load damage
- Wide bearing area distributes load to help avoid load damage

Inspection Criteria

for Roughneck Chain Mesh Slings

Remove sling from service if any of the following are visible:

- Wear, nicks, cracks, breaks, gouges, stretch, bends or weld spatter on chain or attachments
- Discoloration from excessive temperature
- Chain links and attachments won't hinge freely with adjacent links
- Visible distortion of either end fitting out of its plane
- Distortion or any collapse of eye width on either end fitting
- 15% reduction of original cross-sectional area of metal at any point of either end fitting
- Cracked end fitting

How to Order

Specify:

1. Chain size - ($\frac{7}{32}$ " , $\frac{9}{32}$ " , $\frac{3}{8}$ " or $\frac{1}{2}$ ")
2. Type 1 (Triangle & Choker) or Type 2 (Triangle & Triangle)
3. Number of parts of chain
4. Length - Feet (Bearing point to bearing point)

Chain Size (in.)	Parts of Chain	Sling Width (in.)	Rated Capacity (lbs.)*		
			Vertical	Choker	Basket
7/32	3	1 1/2	5,000	5,000	10,000
	4	2	6,700	6,700	13,400
	5	2 1/2	8,400	8,400	16,800
	6	3	10,000	10,000	20,000
9/32	3	2 1/8	8,400	8,400	16,800
	4	2 3/4	11,000	11,000	22,000
	5	3 3/8	14,000	14,000	28,000
	6	4	16,800	16,800	33,600
3/8	3	3 1/4	17,000	N/A	34,000
	4	4 3/8	22,700	N/A	45,400
	5	5 3/8	28,400	N/A	56,800
	6	6 1/2	34,000	N/A	68,000
1/2	2	3	19,200	N/A	38,400
	3	4 1/2	28,800	N/A	57,600
	4	6	38,400	N/A	76,800

⚠ WARNING Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.

Environmental Considerations

- Rated capacities of chain mesh are reduced at temperatures above 400°F. (See table page 86)
- Store in clean, dry area to avoid corrosive action

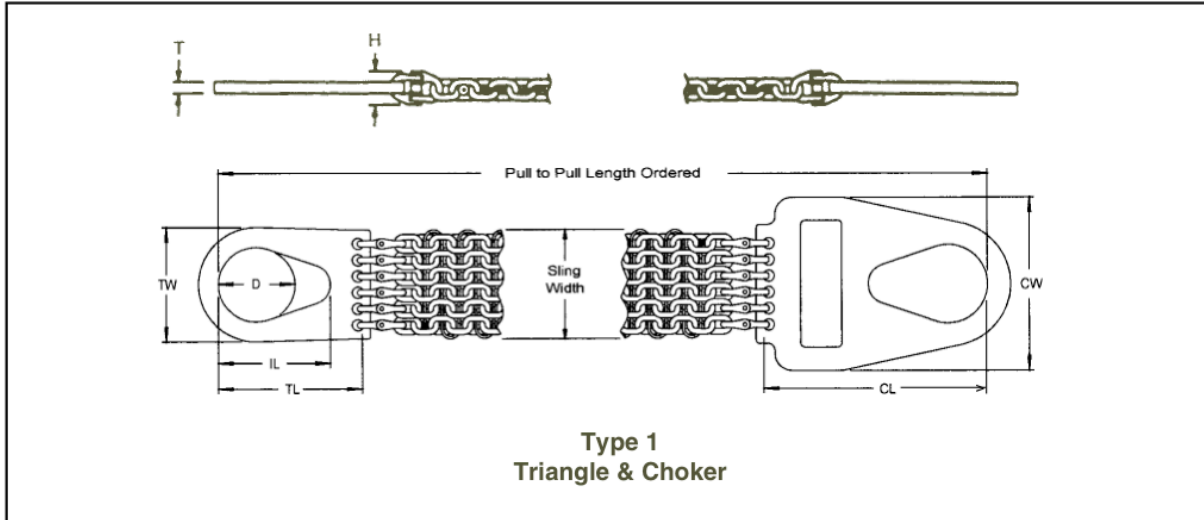
WARNING: These products may contain chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

WARNING: DO NOT EXCEED RATED CAPACITIES

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Roughneck CHAIN MESH SLINGS



Chain Size (in.)	Parts of Chain	Sling Width (in.)	Terminal Dimensions (in.)								5 ft. Type 2 Weight (lbs.)	Weight per ft. (lbs.)
			D	IL	TL	TW	CL	CW	T	H		
7/32	3	1 1/2	2 3/4	4 1/8	6 3/4	4 3/4	9	7 1/8	3/8	1 1/4	10	1.3
	4	2	3	4 1/2	7 1/8	5	9 3/8	7 1/4	3/8	1 1/4	12	1.8
	5	2 1/2	3 1/2	5 1/4	8	5 1/2	10 1/8	7 3/4	3/8	1 1/4	14	2.2
	6	3	3 3/4	5 5/8	8 1/4	5 3/4	10 5/8	8 1/4	3/8	1 1/4	17	2.7
9/32	3	2 1/8	2 3/4	4 1/8	6 3/4	4 3/4	9	7 1/8	1/2	1 3/4	14	2.2
	4	2 3/4	3	4 1/2	7 1/8	5	9 3/8	7 1/4	1/2	1 3/4	18	3.0
	5	3 3/8	3 1/2	5 1/4	8	5 1/2	10 1/8	7 3/4	1/2	1 3/4	22	3.7
	6	4	3 3/4	5 5/8	8 1/4	5 3/4	10 5/8	8 1/4	1/2	1 3/4	26	4.5
3/8	3	3 1/4	3 1/2	5 1/4	6 7/8	5			3/4	2 1/4	30	4.4
	4	4 3/8	4 3/8	6 1/2	8 1/8	6 3/8			3/4	2 1/4	41	5.8
	5	5 3/8	4 3/8	6 1/2	8 3/8	7 3/8			3/4	2 1/4	55	7.3
	6	6 1/2	5 1/4	7 7/8	9 3/4	8 1/4			3/4	2 1/4	59	8.8
1/2	2	3	3 1/2	5 1/4	6 7/8	5			1	3 1/8	33	5.2
	3	4 1/2	4 3/8	6 1/2	8 3/8	6 3/8			1	3 1/8	50	7.7
	4	6	5 1/4	7 7/8	9 3/4	7 3/4			1	3 1/8	62	10

Note: Length tolerance ± 2 chain links so plane is maintained.

WARNING: DO NOT EXCEED RATED CAPACITIES