

STEEL MESH SLINGS



Introduction

Mesh & Fittings —
Highest Standard Strength at Competitive Prices

Technical Data

How to Select the Proper Specification
How to Select Sling Width
How to Select Overall Sling Length

Introduction

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5

Get a firm, gentle grip on the materials you're handling with wire mesh slings. With this unique materials handling tool, you can put a move on just about anything — whatever the shape, size or weight. Its flexible, woven-wire fabric conforms even to irregular shapes, for a non-slip grip. It's strong enough to carry anything you can wrap it around. It greatly reduces load damage during shipping and handling. And because it's simple to rig in either choke or basket hitch, it greatly reduces rigging and unhitching time and eliminates the need for a two-legged sling.

The wire mesh sling is made by interweaving smooth, spiral wires. This gives the sling complete flexibility. It will conform to the contours of your load, eliminating the danger of gouging, marring, crushing or cutting load members. For handling particularly delicate materials, such as those with turned or ground surfaces, slings covered with PVC or neoprene are available.

The wide bearing surface of this sling will give you better load balance and gripping power. It grips instantly when load is applied, so there's no slipping or shifting. It's made of metal, with no core to rot, no chance of sudden failure. The wire mesh sling will not whip, kink or tangle, and there are no loose ends to snag your load or operator.

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Reprint of OSHA Sling Regulations for Wire Mesh Slings*

The following requirements apply specifically to the wire mesh slings:

1. Each sling must carry a durable marking showing choke and basket hitch rated capacities.
2. All new and repaired slings must be proof tested at a minimum of 1-1/2 times rated capacity before putting into service, and the end fittings exhibit no deformation after proof testing.
3. Slings of the type shown in OSHA table N-184-15 must not be used with loads in excess of the rated capacities shown in this table. Slings not included in the table shall be used only in accordance with the manufacturer's recommendations.
4. Only slings constructed in the following manner shall be used:
 - a. End fittings must be at least as strong as the mesh.
 - b. The mesh and end fittings must be joined so that the rated capacity of the sling is not reduced, the load is evenly distributed across the mesh width, and sharp edges of the fitting will not damage the mesh.
 - c. If elastomer coated, the coating must not diminish the rated capacity of the sling and the sling must be proof tested before it is coated.
5. Slings not impregnated with elastomers may be used in a temperature range of -20°F to +550°F without decreasing this rated capacity. Slings impregnated with neoprene or PVC may be used only in a temperature range of 0°F to +200°F. The sling manufacturer's recommendation must be followed for operations outside these temperature ranges or for slings impregnated with other materials.
6. Slings must not be used unless they were repaired by a wire mesh manufacturer (or an equivalent entity). Once a sling is repaired, the nature of the repair, and the entity making the repairs must be permanently marked or tagged on the sling or else a written record maintained to indicate this information.
7. Slings must be immediately removed from service if any of the following conditions are present:
 - a. a broken weld or brazed joint
 - b. reduction in wire diameter of
 1. 25% due to abrasion
 2. 15% due to corrosion
 - c. lack of flexibility due to distortion of the fabric.
 - d. distortion of the choker fitting so that the depth of the slot is increased more than 10%.
 - e. distortion of the end fitting so that the width of the crane hook opening is decreased more than 10%.
 - f. a 15% reduction of the original cross sectional area of metal at any point around the crane hook.
 - g. distortion of either end fitting out of its plane.

Care & Maintenance Recommendations

Before using a sling, make sure it contains the proper type of mesh for the application intended. When using a choke hitch, be positive the center of gravity of the load falls within the width of the mesh. Edges of loads should be kept away from the end fittings and the mesh adjacent to the fitting to avoid distortion of the sling. When a load is lifted with a pair of slings, they should be attached to a spreader beam.

Call us for repairs.

*WARNING

Do not exceed rated capacities. Do not Side Load or Twist Slings. 90° lifting only.

Technical Data

How to Select the Proper Specification

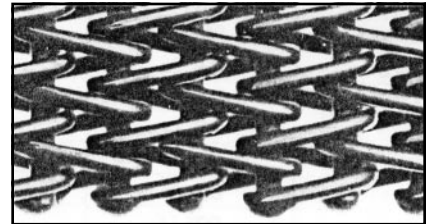
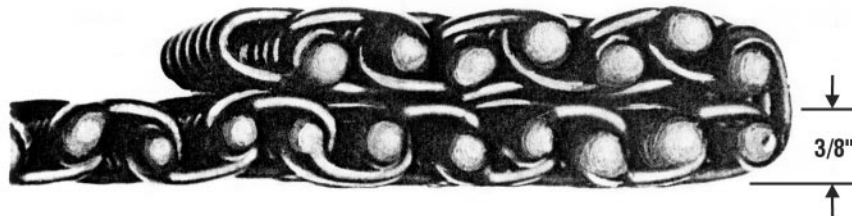
10-Gauge Heavy Duty

Offers longest service life and is the most resistant to rough treatment. Excellent for abrasive loads, cutting action of sharp-edged loads, off-center lifts.



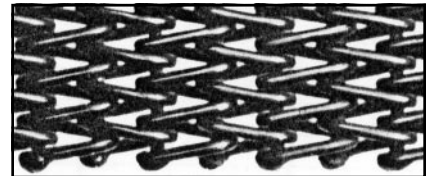
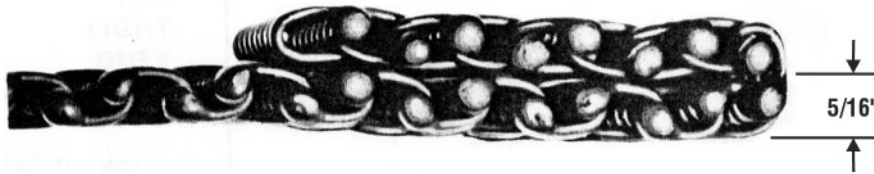
12-Gauge Medium Duty

Recommended for most applications. Combines good service life with good sling flexibility, resistance to abrasion and cutting for long life and easiest handling in most applications.



14-Gauge Light Duty

Recommended where maximum flexibility and minimum load damage are the two most important considerations.



Amick Associates, Inc. makes 2-inch to 12-inch wide wire mesh slings according to customer's specifications.

Amick Associates also has the ability to repair all your existing wire mesh slings.

STEEL MESH SLINGS

Amick Associates, Inc.

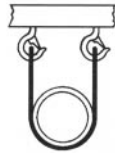
Technical Data

version #2-04

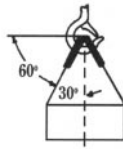
How to Select Sling Width



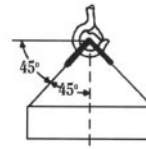
Choker



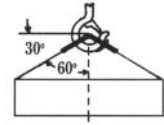
Vertical Basket



30° Vert. / 60° Horiz.



45° Vert. / 45° Horiz.



60° Vert. / 30° Horiz.

Table 5-1. 10-Gauge Heavy Duty Steel Mesh Sling*

Nominal Width of Sling (in.)	Choker	Vertical Basket	30° Vertical 60° Horizontal	45° Vertical 45° Horizontal	60° Vertical 30° Horizontal
2	1,600	3,200	2,700	2,000	1,600
3	3,000	6,000	5,100	3,800	2,800
4	4,400	8,800	7,480	5,600	4,400
6	6,600	13,200	11,225	8,400	6,600
8	8,800	17,600	15,000	11,250	8,800
10	11,000	22,000	18,700	14,000	11,000
12	13,200	26,400	22,440	16,800	13,200
14	15,400	30,800	26,180	19,600	15,400
16	17,600	35,200	29,920	22,400	17,600
18	19,800	39,600	33,660	25,200	19,800
20	22,000	44,000	37,400	28,000	22,000

Table 5-2. 12-Gauge Medium Duty Steel Mesh Sling*

Nominal Width of Sling (in.)	Choker	Vertical Basket	30° Vertical 60° Horizontal	45° Vertical 45° Horizontal	60° Vertical 30° Horizontal
2	1,450	2,900	2,320	1,740	1,450
3	2,175	4,350	3,700	2,700	2,175
4	2,900	5,800	4,900	3,670	2,900
6	4,800	9,600	8,150	6,100	4,800
8	6,400	12,800	10,880	8,100	6,400
10	8,000	16,000	13,600	10,200	8,000
12	9,600	19,200	16,300	12,000	9,600
14	11,200	22,400	19,000	14,000	11,200
16	12,800	25,600	21,700	16,200	12,800
18	13,500	27,000	22,900	17,000	13,500
20	15,000	30,000	25,500	19,000	15,000

Table 5-3. 14-Gauge Light Duty Steel Mesh Sling*

Nominal Width of Sling (in.)	Choker	Vertical Basket	30° Vertical 60° Horizontal	45° Vertical 45° Horizontal	60° Vertical 30° Horizontal
2	900	1,800	1,600	1,300	900
3	1,400	2,800	2,400	2,000	1,400
4	2,000	4,000	3,500	2,800	2,000
6	3,000	6,000	5,200	4,200	3,000
8	4,000	8,000	6,900	5,700	4,000
10	5,000	10,000	8,600	7,100	5,000
12	6,000	12,000	10,400	8,500	6,000
14	7,000	14,000	12,100	9,900	7,000
16	8,000	16,000	13,900	11,300	8,000
18	9,000	18,000	15,600	12,700	9,000
20	10,000	20,000	17,300	14,100	10,000

*WARNING

Do not exceed rated capacities.

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