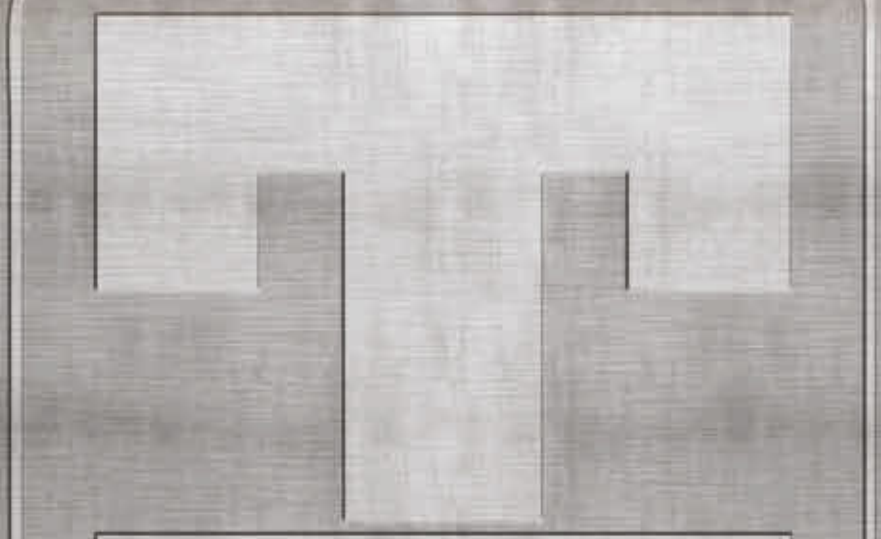
HAVER & BOECKER



TYLER

THE SCREENING GROUP

# THE ROCK BOOK

HAVER & BOECKER

TYLER

THE SCREENING GROUP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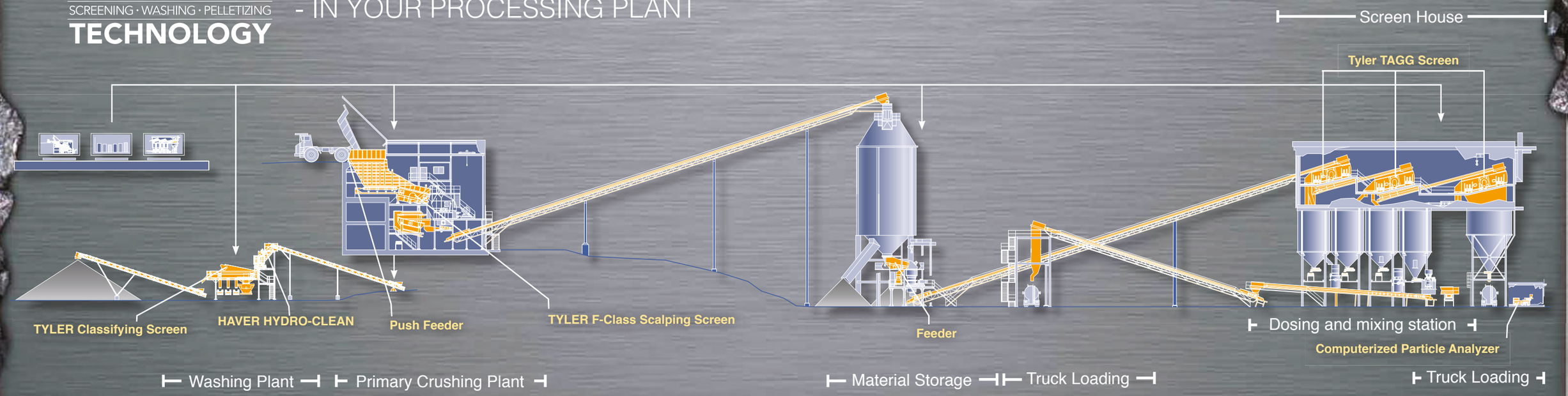
HAVER & TYLER

# REDEFINING
SCREENING · WASHING · PELLETIZING
# TECHNOLOGY

## - IN YOUR PROCESSING PLANT




**W.S. Tyler is a wholly owned subsidiary of the German-based Haver & Tyler. With facilities in the U.S.A., Canada, Germany and Brazil, Haver & Tyler is the only company in the world that provides premium screening, washing and pelletizing solutions encompassing the complete screening circle of particle analysis, screen media, vibrating screens and process equipment, and complete production analysis, service and parts support. A global leader in mineral processing technology, the group is renowned for its exceptional quality and commitment to continually redefine material processing by bringing innovative solutions to the market.**

## OUR VISION

### Redefining Technology

W.S. Tyler is determined to bring innovative technology to our customers through our employees, products and services to help their businesses become more efficient and more profitable.

## OUR MISSION

### Valuable Partnerships through knowledge and innovation

By focusing on our customers instead of the sale, we strive to create relationships that are beneficial and make doing business with W.S. Tyler enjoyable for our customers.

## OUR CORE VALUES

**Safety –** Eliminate danger, risk or injury

**Quality –** Commit to excellence

**Professionalism –** Demonstrate courtesy, respect and responsibility

**Experience –** Initiate a rewarding gain of knowledge and skill

**Results –** Focus efforts to provide positive outcomes

# Table of Contents

# SCREENS

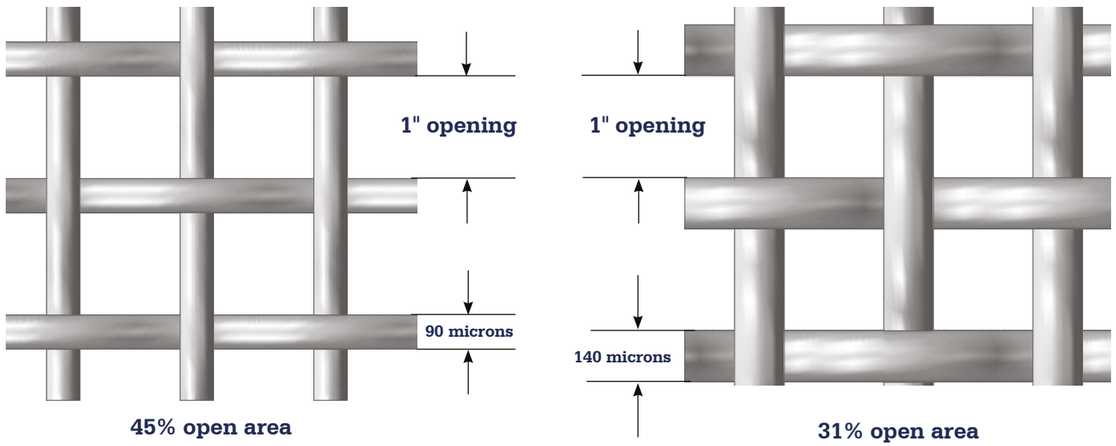


# Pro-Deck

*Pro-Deck is a consultative approach used to optimize the vibrating screen by applying the most effective screen media to each phase of screening.*

## Opening vs. Open Area

- Each section of media is comprised of two parts:
  - The opening - size of the hole.
  - The open area - number of holes.
- Increasing open area generally decreases wear life.
- Reducing open area generally increases wear life.




*Although Screen A and Screen B have the same size opening, Screen A has more open area but less wear life than Screen B.*

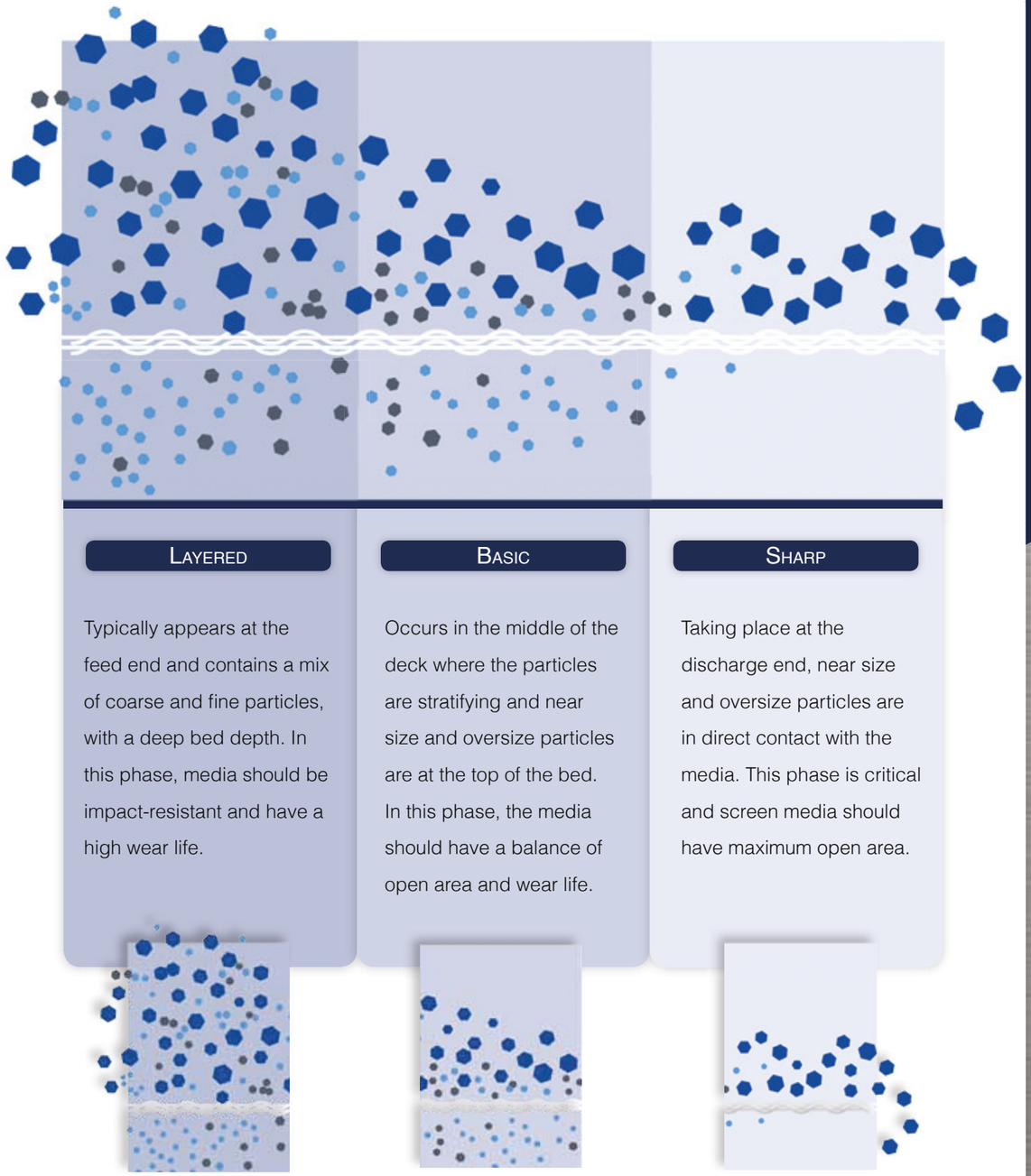






## Phases of Screening

When the material hits the screen deck it goes through three phases from the feed to discharge points. These phases are:



### Layered

Typically appears at the feed end and contains a mix of coarse and fine particles, with a deep bed depth. In this phase, media should be impact-resistant and have a high wear life.

### Basic

Occurs in the middle of the deck where the particles are stratifying and near size and oversize particles are at the top of the bed. In this phase, the media should have a balance of open area and wear life.

### Sharp

Taking place at the discharge end, near size and oversize particles are in direct contact with the media. This phase is critical and screen media should have maximum open area.

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Screens • Pro-Deck

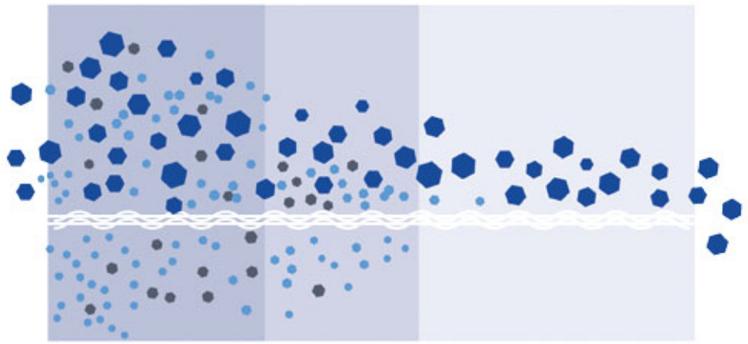
# Pro-Deck In Action

## Example 1: Screening Finished Early

**Current Set-Up: Woven Wire Cloth**

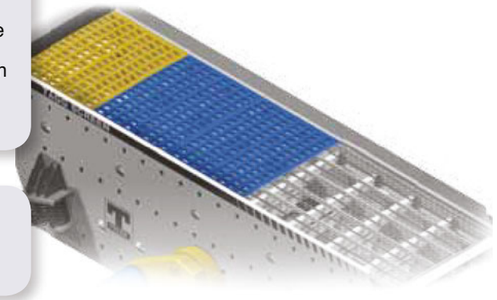
**Situation:**
When screening is finished early, it is completed within the first 1/3 of the deck and under size particles have passed the media openings.

**Risk to the Customer:**
Losing out on the maximum potential of the screen media.



**Pro-Deck Solution:** Using Ty-Max at the feed end combines good wear life with large open area. At the discharge end, Cobra Vibe provides the corresponding wear life and open area for this phase.

**Reward to Customer:** Increase profit per ton by maximizing wear and eliminating unscheduled change-outs.

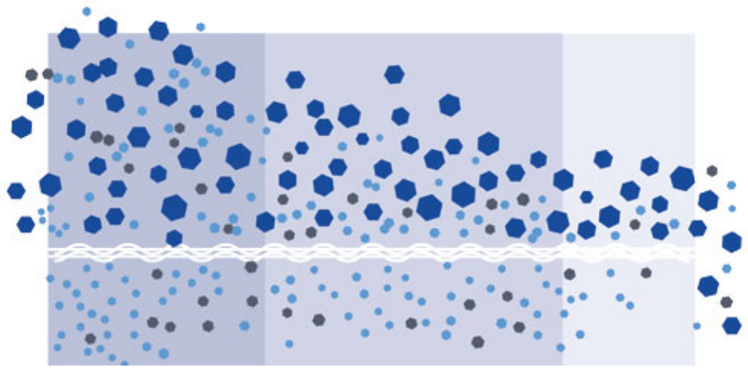


## Example 2: Screening Not Completed

**Current Set-Up: Woven Wire Cloth**

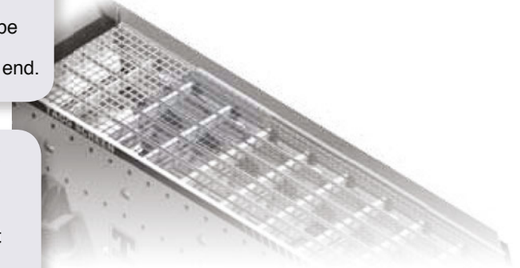
**Situation:**
Screening is not complete because undersized particles are going over the discharge end.

**Risk to the Customer:**
Carry over and contaminated material.



**Pro-Deck Solution:** Using Double T at the feed end provides the proper wear life and open area, while Cobra Vibe increases open area in the mid-screen and at the discharge end.

**Reward to Customer:** Better product quality, as carry over and contaminated material have been eliminated. Increased wear life and less downtime will also help to meet specifications more efficiently.

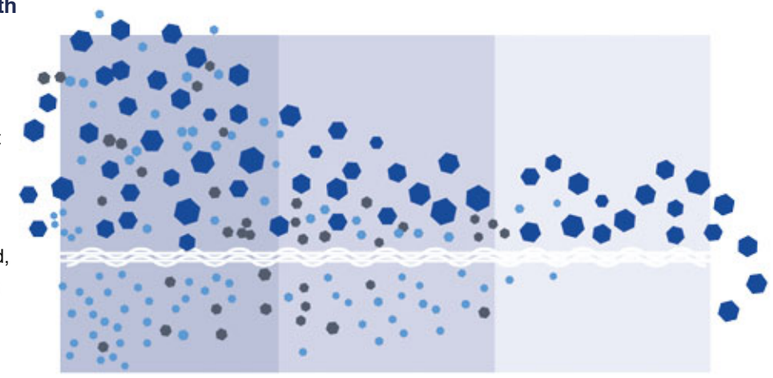


## Example 3: Optimal Screening

**Current Set-Up: Woven Wire Cloth**

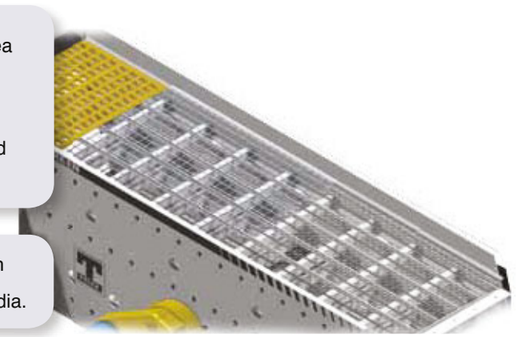
**Situation:**
Most screening is complete approximately 2/3 of the way down the deck. Near size particles utilize the last 1/3 of the deck to find an opening.

**Risk to the Customer:**
Even though the full deck is being used, the potential of the screen media is not being maximized.



**Pro-Deck Solution:** Good wear life and good open area are provided by Ty-Max on the feed end. The mid-screen(s) provide good wear life and efficient open area with Square Opening. At the discharge end, Cobra Vibe is used to extend wear life and provide the required open area.

**Reward to Customer:** Increased profits and maximum efficiency by utilizing the full potential of blended screen media.



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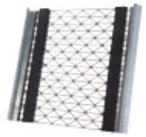
Screens • Pro-Deck

# Pro-Deck Media Selection Chart





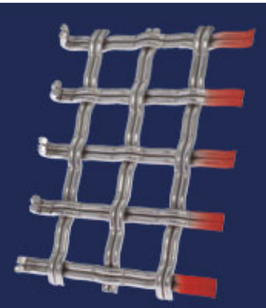



| | TY-DURA Page: 38 | TY-PLATE Page: 40 | TY-MAX Page: 16 | TY-WIRE Page: 18 | DOUBLE-T Page: 30 | COBRA VIBE Page: 20 | TY-CLEAN Page: 29 | TYLER SQUARE Page: 32 | TON-CAP Page: 36 | TY-ROD Page: 34 | MULTI-SHUTE Page: 51 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Wear Life | ••• | ••• | ••• | ••• | •• | •• | • | • | • | • | • |
| Open Area | • | • | • | •• | •• | ••• | •• | ••• | •• | ••• | ••• |
| Anti-Blinding | • | • | • | •• | • | ••• | •• | • | • | •• | •• |
| Anti-Pegging | • | • | ••• | ••• | • | ••• | •• | • | • | • | •• |

| Legend | |
|---|---|
| Excellent | ••• |
| Very Good | •• |
| Good | • |

# Induction Heating

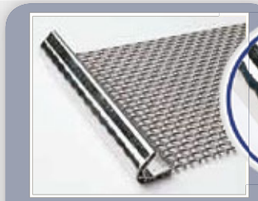
W.S. Tyler uses a proprietary induction heating process to form the hooks and bent edges in your heavier screen sections. This process works similar to a microwave, where the wire is heated from the inside out for a short period of time to maintain its integrity. Because the molecular structure stays intact, we can ensure your screen sections last and prevent premature breakage in your hooks.



**W.S. TYLER HOOKS ARE AVAILABLE IN THE FOLLOWING MATERIALS**

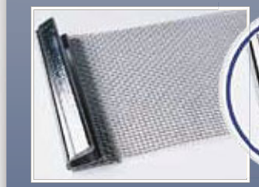
- Stainless Steel
- Galvanized Steel
- Mild Steel

# Hook Types for Screen Sections

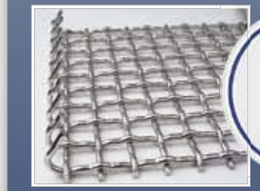


**A-HOOK**

**C-HOOK**

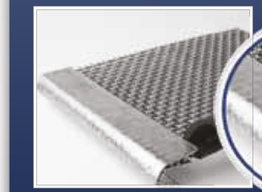


**E-HOOK**

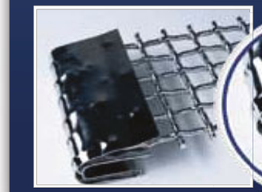


**BENT EDGE**

**BENT EDGE WITH METAL INSERT**



**END TENSION HOOK WITH RUBBER SEAL**



**HD END TENSION HOOK**







# Accessories

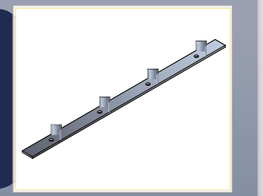
### BAR RAIL LINERS

Bar rail liners protect your screen media from sharp edges and provide support. Available in rubber and polyurethane for superior wear resistance.

*For more information, please see page 110*

### CENTER HOLD DOWN BAR

Used to secure screen media in the center location.



### J-BOLT & PUCK

Used to secure screen media to the deck frame.

J-Bolt Part # 202868637 I Puck Part # 202868620

### LINERS

**SIDE PLATE**
Protects side plate from unnecessary wear.

**FEED-BOX**
Protects from wear at the feed end.

**DISCHARGE LIP**
Lessens wear at discharge end.

*For more information, please see page 112*

### PINS & SLEEVES

Used together to secure panels in place.

### SPRAY NOZZLES

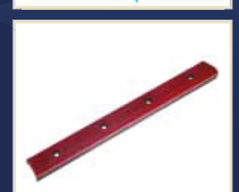
Used for wet screening, ore washing, medium recovery, clay removal, conveyor belt cleaning, dust suppression and cooling.

*For more information, please see page 117*

### TENSION RAILS

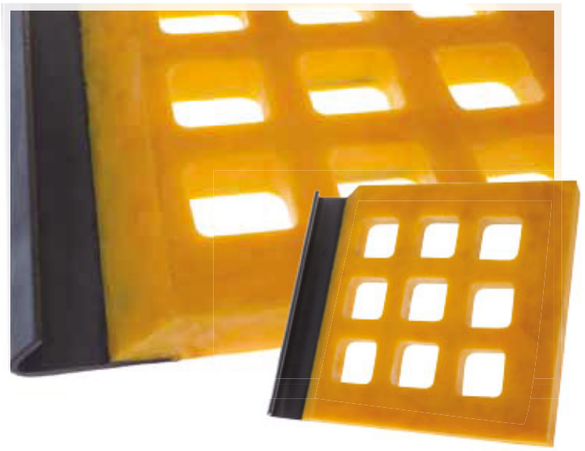
Designed for tensioning a variety of screen media including hooked woven wire cloth and hooked self-cleaning screens.

*For more information, please see page 119*



# Ty-Max

*Ty-Max sections are manufactured using a specially formulated polyurethane developed for optimum wear resistance.*



## Application

### Top Size

- 4" to 10" depending on particle size, type, drop height, rail spacing and feed method.

### Cut Size Range

- Smallest - 3/32"
- Largest - 4"

### Material Temperature Range

- Highest - 149° F (65° C) continuously
  176° F (80° C) intermittent

## Features & Benefits

- Tapered openings virtually eliminate pegging.
- Standard tensionable hooks eliminate the need for laborious deck conversions.
- Polyurethane composition extends wear life and handles direct feed better than wire cloth, reducing change-outs and maximizing productivity.

## Options

### Solid Impact Area

Ty-Max can be manufactured without openings in designated areas to reduce wear from high impact.

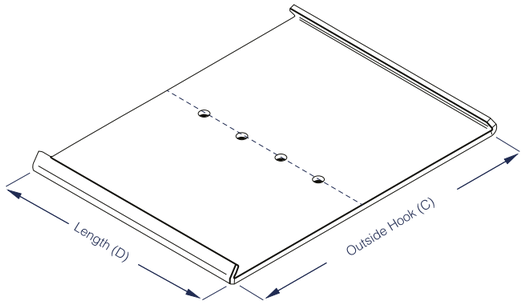
### Center Hold Down

To allow secure fastening at the center of the deck, Ty-Max can be manufactured with a center hold down to secure the section on wide vibrating screens.

### Flex Membrane

Specially formulated flex membrane allows for more screening action and reduced issues with blinding.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement from the outside of one hook to the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

## ACCESSORIES

**Tension Rails** | *see page 119*

**J-Bolts** | *see page 15*

**Center Hold Down Bar** | *see page 15*

**Bar Rail Liners** | *see page 110*

**Side Plate Liners** | *see page 112*

**Feed Box Liners** | *see page 112*

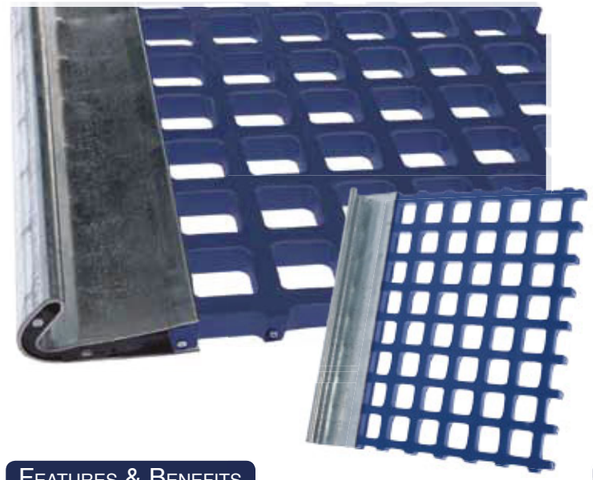
**Spray Nozzles** | *see page 135*

| Square Opening | Thickness | Open Area | Weight per sq. ft. |
|---|---|---|---|
| 3/32" | 1.0" | 13.8% | 5 lbs. |
| 1/8" | 1.0" | 19.2% | 5 lbs. |
| 1/8" Flex | 1.0" | 19.2% | 5 lbs. |
| 5/32" | 1.0" | 20.8% | 5 lbs. |
| 5/32" Flex | 1.0" | 20.8% | 5 lbs. |
| 3/16" | 1.0" | 27.2% | 5 lbs. |
| 3/16" Flex | 1.0" | 26.1% | 5 lbs. |
| 7/32" Flex | 1.0" | 30.2% | 5 lbs. |
| 1/4" | 1.0" | 31.0% | 5 lbs. |
| 1/4" Flex | 1.0" | 28.8% | 5 lbs. |
| 5/16" | 1.0" | 30.8% | 5 lbs. |
| 5/16" Flex | 1.0" | 34.6% | 5 lbs. |
| 3/8" | 1.0" | 33.6% | 5 lbs. |
| 3/8" Flex | 1.0" | 34.3% | 5 lbs. |
| 7/16" | 1.0" | 37.0% | 5 lbs. |
| 7/16" Flex | 1.0" | 35.7% | 5 lbs. |
| 1/2" | 1.0" | 34.4% | 5 lbs. |
| 9/16" | 1.0" | 41.7% | 5 lbs. |
| 5/8" | 1.0" | 34.7% | 5 lbs. |
| 11/16" | 1.0" | 40.3% | 5 lbs. |
| 3/4" | 1.0" | 43.0% | 5 lbs. |
| 7/8" | 1.0" | 41.5% | 5 lbs. |
| 1" | 1.0" | 44.4% | 5 lbs. |
| 1 1/8" | 1.0" | 38.2% | 5 lbs. |
| 1 1/4" | 1.0" | 39.1% | 5 lbs. |
| 1 3/8" | 1.0" | 47.3% | 5 lbs. |
| 1 1/2" | 1.5" | 36.5% | 6 - 7.5 lbs. |
| 1 3/4" | 1.5" | 41.5% | 6 - 7.5 lbs. |
| 1 7/8" | 1.5" | 37.6% | 6 - 7.5 lbs. |
| 2" | 1.5" | 38.2% | 6 - 7.5 lbs. |
| 2 1/2" | 2.0" | 44.7% | 8 - 10 lbs. |
| 3" | 2.0" | 37.8% | 8 - 10 lbs. |

| Slotted Opening | Thickness | Open Area | Weight per sq. ft. |
|---|---|---|---|
| 0.5 mm x 12.0 mm | 1.0" | 8.70% | 4 - 5 lbs. |
| 0.65 mm x 12.0 mm | 1.0" | 9.70% | 4 - 5 lbs. |
| 0.85 mm x 12.0 mm | 1.0" | 11.5% | 4 - 5 lbs. |
| 1.0 mm x 25.4 mm | 1.0" | 13.7% | 4 - 5 lbs. |
| 1.25 mm x 25.4 mm | 1.0" | 15.9% | 4 - 5 lbs. |
| 1.5 mm x 25.4 mm | 1.0" | 17.1% | 4 - 5 lbs. |
| 2.0 mm x 25.4 mm | 1.0" | 20.3% | 4 - 5 lbs. |
| 3/32" x 1" | 1.0" | 24.2% | 4 - 5 lbs. |
| 2.6 mm x 10.0 mm | 1.0" | 21.4% | 4 - 5 lbs. |
| 1/8" x 1" | 1.0" | 28.8% | 4 - 5 lbs. |
| 1/8" x 1/2" Flex | 1.0" | 29.7% | 4 - 5 lbs. |
| 5/32" x 1" | 1.0" | 31.9% | 4 - 5 lbs. |
| 3/16" x 1" | 1.0" | 35.5% | 4 - 5 lbs. |
| 3/16" x 1/2" Flex | 1.0" | 35.1% | 4 - 5 lbs. |
| 1/4" x 1" | 1.0" | 37.2% | 4 - 5 lbs. |
| 1/4" x 2" | 1.0" | 37.2% | 4 - 5 lbs. |
| 5/16" x 1" | 1.0" | 38.0% | 4 - 5 lbs. |
| 3/8" x 1" | 1.0" | 40.6% | 4 - 5 lbs. |

# Ty-Wire

*Ty-Wire hybrid screen sections combine the long wear life of polyurethane with the increased open area of wire cloth.*



## Application

### Top Size

- Up to 4" depending on particle size, type, drop height, rail spacing and feed method.

### Temperature Rating of

- Up to 160° F (71° C)

## Features & Benefits

- Hybrid design blends polyurethane and wire cloth, offering greater open area than traditional modular polyurethane.
- Tapered openings virtually eliminate pegging.
- Unique composite material offers 4-6 times longer wear life than woven wire cloth.

## Options

### Solid Impact Area

Ty-Wire can be manufactured without openings in designated areas to reduce wear in high impact areas.

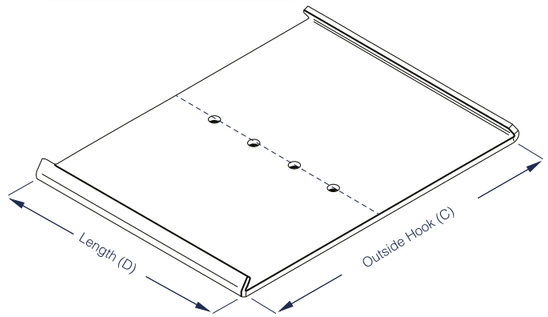
### Center Hold Down

To accommodate easy installation in wide vibrating screens, Ty-Wire can be manufactured with a center hold down allowing for secure fastening at the center of the deck.

### Stainless Steel Metal Reinforced Edges

Corrosion concerns are virtually eliminated with stainless steel edging on vulnerable sections.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement between the outside of one hook and the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

## ACCESSORIES

**Tension Rails** | *see page 119*

**J-Bolts** | *see page 15*

**Bar Rail Liners** | *see page 110*

**Center Hold Down Bar** | *see page 15*

**Spray Nozzles** | *see page 135*

| Square Opening | Thickness | Open Area | Weight per sq. ft. |
|---|---|---|---|
| 1/8" | 5/16" | 23.50% | 1.92 lbs. |
| 3/16" | 5/16" | 29.90% | 1.48 lbs. |
| 1/4" | 5/16" | 33.52% | 1.44 lbs. |
| 5/16" | 5/16" | 36.00% | 1.43 lbs. |
| 3/8" | 5/16" | 39.01% | 1.91 lbs. |
| 3/8" Heavy Duty | 1/2" | 30.00% | 1.95 lbs. |
| 7/16" | 3/8" | 43.20% | 1.86 lbs. |
| 1/2" | 3/8" | 45.64% | 1.65 lbs. |
| 1/2" Heavy Duty | 1/2 " | 39.80% | 1.90 lbs. |
| 9/16" | 1/2" | 47.50% | 1.80 lbs. |
| 5/8" | 1/2" | 48.92% | 1.87 lbs. |
| 5/8" Heavy Duty | 1/2" | 43.10% | 1.96 lbs. |
| 3/4" | 1/2" | 43.66% | 2.43 lbs. |
| 7/8" | 1/2" | 48.23% | 2.04 lbs. |
| 1" | 1/2" | 51.02% | 2.19 lbs. |
| 1" Heavy Duty | 1/2" | 44.40% | 2.30 lbs. |
| 1-1/8" | 5/8" | 52.00% | 2.47 lbs. |
| 1-1/4" | 5/8" | 55.00% | 1.93 lbs. |
| 1-1/2" | 5/8" | 56.30% | 2.25 lbs. |
| 1-5/8" | 5/8" | 58.70% | 2.56 lbs. |

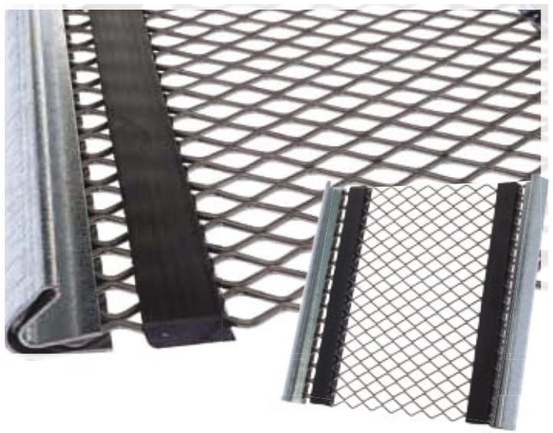


HAVER & TYLER

Screens • Tensioned Sections

# Cobra Vibe PQ

*Cobra Vibe PQ sections offer enhanced performance by pairing the screening accuracy of a square opening with a self-cleaning action to minimize blinding and pegging.*



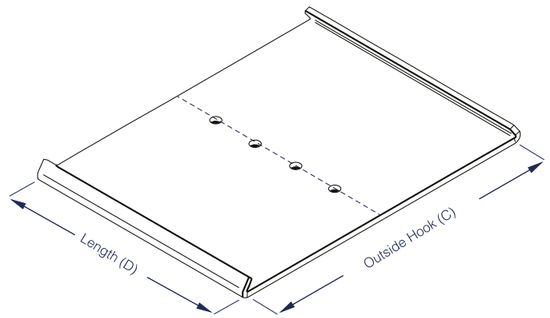
## Application

- Designed for screening damp, sticky, hard-to-screen material.
- Better cleaning action than Cobra Vibe PT.
- Highest temperature rating of 212º F (100º C).
- Excellent where higher throughput is required.

## Features & Benefits

- Eliminates blinding and pegging.
- Polyurethane strips eliminate wire-to-wire contact, increasing wear life.
- Unique construction allows wires to vibrate independently, allowing for more efficient screening action.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement from the outside of one hook to the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

## Options

### Polyurethane Extensions

Used primarily for small openings, polyurethane extensions eliminate the space between screens where material can fall through.

### Punching

Utilizing center hold down bars, the screen media securely fastens at the center of the deck.

### Cobra Vibe WQ

For high heat applications, the Cobra Vibe WQ offers increased tolerances and enhanced durability.

## ACCESSORIES

**Bar Rail Liners** | *see page 110*

**Spray Nozzles** | *see page 135*

| Opening | Wire Diameter | Open Area |
|---|---|---|
| 5/64" | .041" | 43.3% |
| 5/64" | .047" | 39.3% |
| 3/32" | .047 " | 44.1% |
| 3/32" | .054" | 40.0% |
| 7/64" | .047" | 49.1% |
| 7/64" | .054" | 45.0% |
| 7/64" | .063" | 40.4% |
| 1/8" | .047" | 52.8% |
| 1/8" | .054" | 48.8% |
| 1/8" | .063" | 44.2% |
| 5/32" | .054" | 55.2% |
| 5/32" | .063" | 50.7% |
| 5/32" | .072" | 46.8% |
| 3/16" | .054" | 60.2% |
| 3/16" | .063" | 56.0% |
| 3/16" | .072" | 52.1% |
| 3/16" | .080" | 49.1% |
| 7/32" | .063" | 60.1% |
| 7/32" | .072" | 56.4% |
| 7/32" | .092" | 49.3% |
| 1/4" | .063" | 63.8% |
| 1/4" | .072" | 60.3% |
| 1/4" | .080" | 57.4% |
| 1/4" | .092" | 53.4% |
| 5/16" | .072" | 66.0% |
| 5/16" | .080" | 63.3% |
| 5/16" | .092" | 59.6% |
| 5/16" | .105" | 56.0% |
| 11/32" | .072" | 68.4% |
| 11/32" | .080" | 65.8% |
| 11/32" | .092" | 62.3% |
| 11/32" | .105" | 58.7% |
| 3/8" | .080" | 67.9% |
| 3/8" | .092" | 64.5% |
| 3/8" | .105" | 61.0% |
| 3/8" | .120" | 57.4% |

| Opening | Wire Diameter | Open Area |
|---|---|---|
| 13/32" | .080" | 69.1% |
| 13/32" | .092" | 65.7% |
| 13/32" | .105" | 62.3% |
| 13/32" | .120" | 58.8% |
| 7/16" | .092" | 68.2% |
| 7/16" | .105" | 65.0% |
| 7/16" | .120" | 61.6% |
| 7/16" | .135" | 58.4% |
| 1/2" | .105" | 68.3% |
| 1/2" | .120" | 65.0% |
| 1/2" | .135" | 62.0% |
| 9/16" | .120" | 67.9% |
| 9/16" | .135" | 65.0% |
| 9/16" | .148" | 62.7% |
| 5/8" | .120" | 70.4% |
| 5/8" | .135" | 67.6% |
| 5/8" | .148" | 65.4% |
| 11/16" | .135" | 68.5% |
| 11/16" | .148" | 67.7% |
| 11/16" | .162" | 65.5% |
| 3/4" | .148" | 68.8% |
| 3/4" | .162" | 67.6% |
| 3/4" | .192" | 63.4% |
| 13/16" | .148" | 71.3% |
| 13/16" | .162" | 69.5% |
| 13/16" | .192" | 65.4% |
| 7/8" | .148" | 72.8% |
| 7/8" | .162" | 71.2% |
| 7/8" | .192" | 67.2% |
| 15/16" | .148" | 74.1% |
| 15/16" | .162" | 72.7% |
| 15/16" | .192" | 68.9% |

# Cobra Vibe PT

*Cobra Vibe PT sections offer enhanced performance by combining crimped and straight wires to produce a strong, self-cleaning screen for heavier loads.*

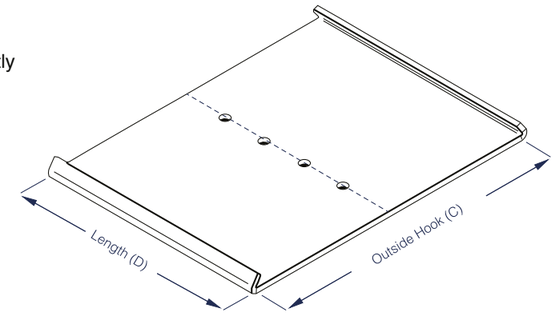
## Application

- Designed for screening damp, sticky, hard-to-screen material.
- Should be used for applications with heavier load.
- Highest temperature rating of 212º F (100º C).

## Features & Benefits

- Eliminates blinding and pegging.
- Polyurethane strips prevent wire-to-wire contact, significantly extending wear life.
- Unique construction allows each wire to vibrate independently, allowing for enhanced screening action.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement from the outside of one hook to the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

## Options

### Polyurethane Extensions

Typically used for small openings, the polyurethane extensions eliminate the space between screens to stop material from escaping.

### Punching

Center hold down bars are utilized to ensure secure fastening at the center of the deck.

### Cobra Vibe WT

For added stability in high heat applications, the Cobra Vibe WT provides increased tolerance.

## ACCESSORIES

**Bar Rail Liners** | *see page 110*

**Spray Nozzles** | *see page 135*

| Opening | Wire Diameter | Open Area |
|---|---|---|
| 5/64" | .041" | 49.1% |
| 5/64" | .047" | 45.7% |
| 3/32" | .047" | 49.7% |
| 3/32" | .054" | 46.3% |
| 7/64" | .047" | 59.9% |
| 7/64" | .054" | 50.5% |
| 7/64" | .063" | 46.6% |
| 1/8" | .047" | 57.1% |
| 1/8" | .054" | 53.6% |
| 1/8" | .063" | 49.8% |
| 5/32" | .054" | 59.1% |
| 5/32" | .063" | 55.3% |
| 5/32" | .072" | 52.0% |
| 3/16" | .063" | 59.7% |
| 3/16" | .072" | 56.5% |
| 3/16" | .080" | 53.9% |
| 7/32" | .063" | 63.3% |
| 7/32" | .072" | 60.1% |
| 7/32" | .092" | 57.6% |
| 1/4" | .063" | 66.5% |
| 1/4" | .072" | 63.4% |
| 1/4" | .080" | 61.0% |
| 1/4" | .092" | 57.6% |
| 5/16" | .072" | 68.4% |
| 5/16" | .080" | 66.1% |
| 5/16" | .092" | 62.9% |
| 5/16" | .105" | 58.4% |
| 11/32" | .080" | 68.3% |
| 11/32" | .092" | 65.1% |
| 11/32" | .105" | 60.7% |
| 3/8" | .092" | 67.1% |
| 3/8" | .105" | 62.8% |
| 3/8" | .120" | 59.8% |

| Opening | Wire Diameter | Open Area |
|---|---|---|
| 13/32" | .092" | 68.1% |
| 13/32" | .105" | 63.9% |
| 13/32" | .120" | 60.9% |
| 7/16" | .105" | 66.3% |
| 7/16" | .120" | 63.4% |
| 7/16" | .135" | 60.9% |
| 1/2" | .105" | 69.2% |
| 1/2" | .120" | 66.4% |
| 1/2" | .135" | 64.0% |
| 9/16" | .120" | 69.0% |
| 9/16" | .135" | 66.7% |
| 9/16" | .148" | 64.6% |
| 5/8" | .120" | 71.2% |
| 5/8" | .135" | 69.0% |
| 5/8" | .148" | 67.0% |
| 11/16" | .135" | 71.4% |
| 11/16" | .148" | 69.1% |
| 11/16" | .162" | 67.1% |
| 3/4" | .148" | 71.3% |
| 3/4" | .162" | 69.0% |
| 3/4" | .192" | 65.4% |
| 13/16" | .148" | 72.3% |
| 13/16" | .162" | 70.7% |
| 13/16" | .192" | 67.2% |
| 7/8" | .148" | 74.3% |
| 7/8" | .162" | 72.2% |
| 7/8" | .192" | 68.8% |
| 15/16" | .148" | 75.2% |
| 15/16" | .162" | 73.6% |
| 15/16" | .192" | 70.3% |

# Cobra Vibe PH

*Cobra Vibe PH sections provide maximum cleaning action when moisture is a concern, offering the ideal solution for severe blinding applications.*

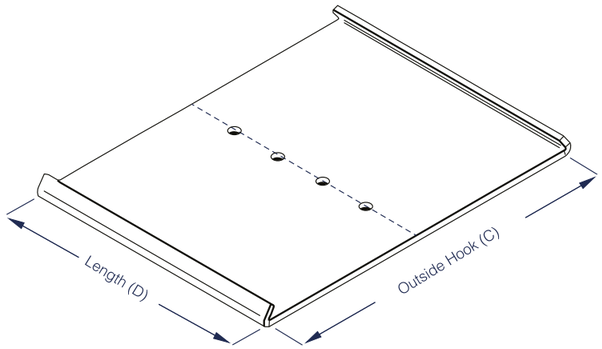
## Application

- Designed for screening damp, sticky, hard-to-screen material.
- Reduces blinding and pegging.
- Excellent for cleaning and washing applications.
- Ideal for severe blinding applications.
- Highest temperature rating of 212º F (100º C).

## Features & Benefits

- Eliminates blinding and pegging.
- Manufactured using polyurethane strips, wires make no contact with each other, increasing wear life.
- Unique construction allows wires to vibrate independently, allowing for more screening action.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned.

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement from the outside of one hook to the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

## Options

### Polyurethane Extensions

Eliminates space between screens where material can fall through. Used primarily for small openings.

### Punching

Utilizes center hold down bars for secure fastening at the center of the deck.

### Cobra Vibe WH

For high heat applications.

## ACCESSORIES

**Bar Rail Liners** | *see page 110*

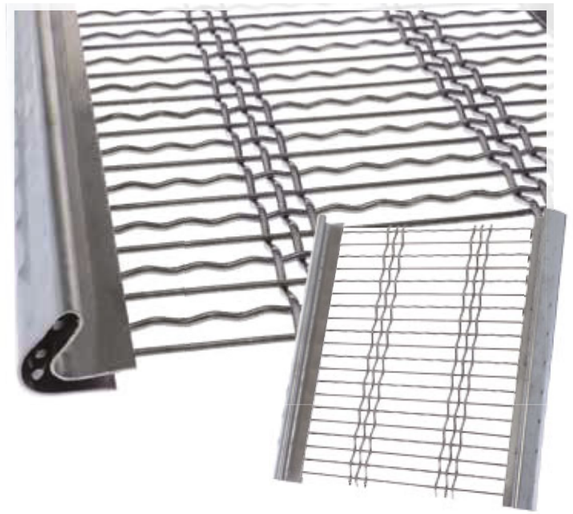
**Spray Nozzles** | *see page 135*

| Opening | Wire Diameter | Open Area |
|---|---|---|
| 5/64" | .041" | 65.8% |
| 5/64" | .047" | 62.7% |
| 3/32" | .047" | 64.4% |
| 3/32" | .054" | 63.3% |
| 7/64" | .047" | 70.1% |
| 7/64" | .054" | 67.1% |
| 7/64" | .063" | 63.6% |
| 1/8" | .047" | 72.7% |
| 1/8" | .054" | 69.8% |
| 1/8" | .063" | 66.5% |
| 5/32 " | .054" | 74.3% |
| 5/32" | .063" | 71.2% |
| 5/32" | .072" | 68.4% |
| 3/16" | .054" | 77.6% |
| 3/16" | .063" | 74.8% |
| 3/16" | .072" | 72.2% |
| 3/16" | .080" | 70.0% |
| 7/32" | .063" | 77.5% |
| 7/32" | .072" | 75.1% |
| 7/32" | .092" | 73.1% |
| 1/4" | .063" | 79.9% |
| 1/4" | .072" | 77.6% |
| 1/4" | .080" | 75.8% |
| 1/4" | .092" | 73.1% |
| 5/16" | .072" | 81.3% |
| 5/16" | .080" | 79.6% |
| 5/16" | .092" | 77.2% |
| 5/16" | .105" | 74.8% |
| 11/32" | .072" | 82.7% |
| 11/32" | .080" | 81.1% |
| 11/32" | .092" | 78.9% |
| 11/32" | .105" | 176.6% |
| 3/8" | .080" | 82.4% |
| 3/8" | .092" | 80.3% |
| 3/8" | .105" | 78.1% |
| 3/8" | .120" | 75.8% |

| Opening | Wire Diameter | Open Area |
|---|---|---|
| 13/32" | .080" | 83.1% |
| 13/32" | .092" | 81.1% |
| 13/32" | .105" | 79.0% |
| 13/32" | .120" | 76.7% |
| 7/16" | .092" | 82.6% |
| 7/16" | .105" | 80.6% |
| 7/16" | .120" | 78.5% |
| 7/16" | .135" | 76.4% |
| 1/2" | .105" | 82.6% |
| 1/2" | .120" | 80.6% |
| 1/2" | .135" | 78.7% |
| 9/16" | .120" | 82.4% |
| 9/16" | .135" | 80.6% |
| 9/16" | .148" | 79.2% |
| 5/8" | .120" | 83.9% |
| 5/8" | .135" | 82.2% |
| 5/8" | .148" | 80.9% |
| 11/16" | .135" | 83.0% |
| 1/16" | .148" | 82.3% |
| 1/16" | .162" | 80.9% |
| 3/4" | .148" | 83.5% |
| 3/4" | .162" | 82.2% |
| 3/4" | .192" | 79.6% |
| 13/16" | .148" | 84.8% |
| 13/16" | .162" | 83.4% |
| 13/16" | .192" | 80.9% |
| 7/8" | .148" | 85.6% |
| 7/8" | .162" | 84.4% |
| 7/8" | .192" | 82.0% |
| 15/16" | .148" | 86.1% |
| 15/16" | .162" | 85.3% |
| 15/16" | .192" | 83.0% |

# Cobra Vibe WS Slot

*Cobra Vibe WS Slot sections feature a unique design that combines straight and crimped wires of various diameters for increased screening action.*



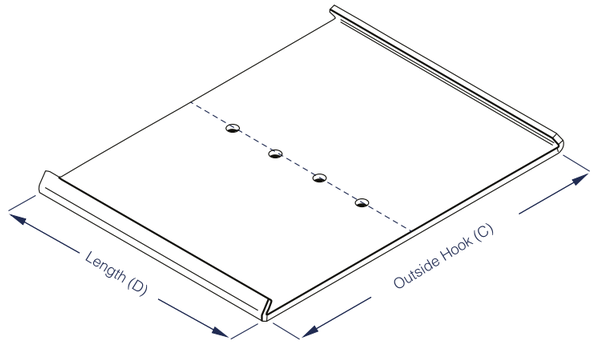
## Application

- Ideal for applications with temperature rating of up to 212º F (100º C) with Ty-Pro; 1400º F (760º C) with T304.
- Designed for screening damp, sticky, hard-to-screen material.
- Excellent for heavily loaded decks.
- Stainless option for corrosive applications.

## Features & Benefits

- Eliminates blinding and pegging.
- Heavy shute wires provide extra durability without sacrificing efficiency.
- Alternating design of straight and crimped warp wires offers better shifting of material and enhanced screening action.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement between the outside of one hook and the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

## Options

### Wire Cloth Extensions

Wire cloth extensions minimize material fall through by eliminating the space between screens. The extensions are ideal for screen media with small openings.

### Punching

Provides secure fastening at the center of the deck by incorporating center hold down bars.

### ACCESSORIES

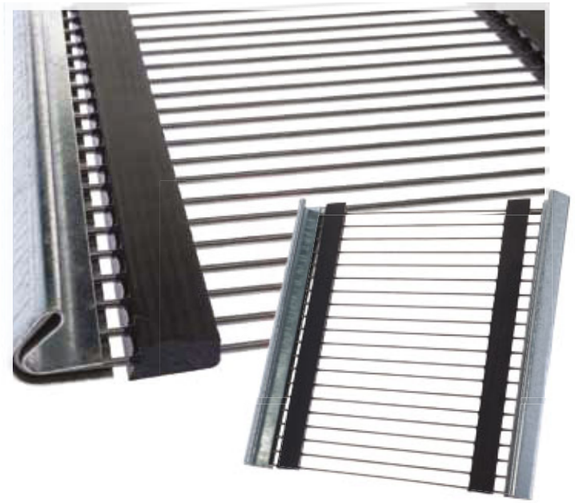
**Bar Rail Liners** | *see page 110*

**Spray Nozzles** | *see page 135*

| Nominal Opening | Wire Diameters | Cobra Slot Number |
|---|---|---|
| 1/16" | .047" / .054" / .063" | # 6110 |
| 3/32" | .054" / .063" / .072" | # 6120 |
| 3/32" | .047" / .054" / .063" | # 6121 |
| 3/32" | .063" / .063" / .072" | # 6122 |
| 3/32" | .063" / .072" / .080" | # 6123 |
| 1/8" | .072" / .080" / .092" | # 6130 |
| 1/8" | .063" / .072" / .080" | # 6131 |
| 5/32" | .063" / .072" / .080" | # 6140 |
| 5/32" | .080" / .092" / .105" | # 6141 |
| 5/32" | .072" / .080" / .092" | # 6142 |
| 3/16" | .080" / .092" / .105" | # 6150 |
| 3/16" | .072" / .080" / .092" | # 6151 |
| 3/16" | .063" / .072" / .080" | # 6152 |
| 3/16" | .092" / .105" / .120" | # 6153 |
| 7/32" | .080" / .092" / .105" | # 6160 |
| 1/4" | .105" / .120" / .135" | # 6170 |
| 1/4" | .092" / .105 " / .120 " | # 6171 |
| 1/4" | .080" / .092" / .105" | # 6172 |
| 1/4" | .072" / .080" / .092" | # 6173 |
| 9/32" | .080" / .092" / .105" | # 6180 |
| 5/16" | .092" / .105" / .120" | # 6190 |
| 5/16" | .080" / .092" / .105" | # 6191 |
| 5/16" | .072" / .080" / .092" | # 6192 |
| 11/32" | .080" / .092" / .105" | # 6200 |
| 3/8" | .092" / .105" / .120" | # 6210 |
| 3/8" | .080" / .092" / .105" | # 6211 |
| 7/16" | .092" / .105" / .120" | # 6220 |
| 1/2" | .092" / .105" / .120" | # 6230 |
| 1/2" | .080" / .092" / .105" | # 6231 |
| 3/4" | .135" / .148" / .162" | # 6240 |

# Cobra Vibe PM

*Cobra Vibe PM sections provide the ideal solution to applications requiring significant open area without sacrificing wear life.*



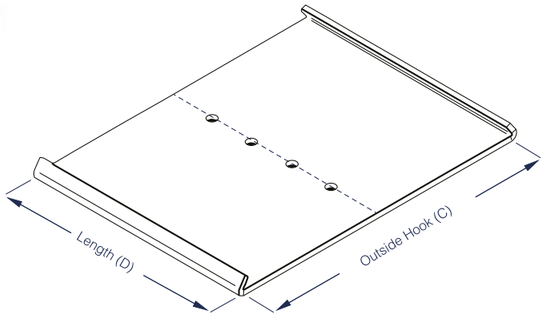
## Application

- Designed for screening damp, sticky, hard-to-screen material.
- Highest temperature rating of 212º F (100º C).
- For applications where sizing accuracy is not critical.

## Features & Benefits

- Eliminates blinding and pegging.
- Polyurethane strips incorporated into the design prevent wire-to-wire contact, effectively extending wear life.
- Unique construction allows wires to vibrate independently allowing for more efficient screening action.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement from the outside of one hook to the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

## Options

### Polyurethane Extensions

Designed to eliminate the space between screens minimizing matter fall through, the polyurethane extensions are ideally suited for small openings.

### Punching

Utilizes center hold down bars for secure fastening at the center of the deck.

### ACCESSORIES

**Bar Rail Liners** | *see page 110*

**Spray Nozzles** | *see page 135*

| Opening | Wire Diameter |
|---|---|
| Any openings with smallest available wire for custom applications. | Smallest available. |
| Any opening | .192" |

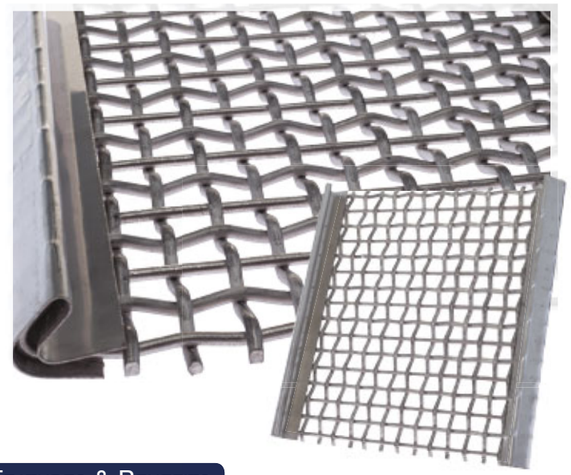






# Ty-Clean

*Ty-Clean sections incorporate alternating straight and crimped warp wires into a square opening to provide a self-cleaning action that minimizes blinding and pegging.*



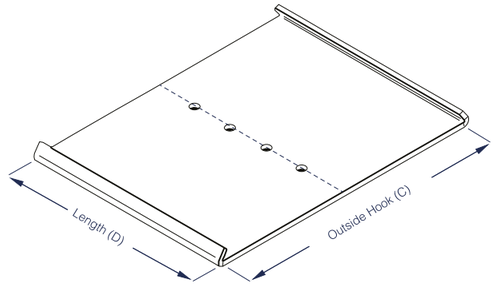
## Application

- For applications where sizing accuracy is critical.

## Features & Benefits

- Increased weight of shute wires increases durability and wear life.
- Alternating straight and crimped warp wires allows for better shifting of material.
- Flexible design allows the straight warp wires to move slightly within the crimps, enhancing the screening action.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement from the outside of one hook to the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

## Options

### Wire Cloth Extensions

Wire cloth extensions, most commonly used for small openings, eliminate the space between screens where material can escape.

### Punching

Integrating center hold down bars, punching provides secure fastening at the center of the deck.

### ACCESSORIES

**Bar Rail Liners** | *see page 110*

**Spray Nozzles** | *see page 135*

| Opening |
|---|
| Wide range of available openings and wire diameter combinations. Please inquire. |

# Double T

*Double T sections feature a crimping and weaving design for extended wear life in high impact areas. Double T offers the most cost-effective solution for scalping applications requiring durability and value.*

## Features & Benefits

- Durable double woven wire design handles heavy impact, while extending wear life and minimizing change-outs.
- Double weave provides a greater open area than polyurethane or perforated plate.
- Cost effective design provides a viable alternative to more expensive polyurethane perforated plates.

## Options

### Camber

Manufactured with an optional camber design, the Double T screen media can be built to suit any deck surface.

**ACCESSORIES**

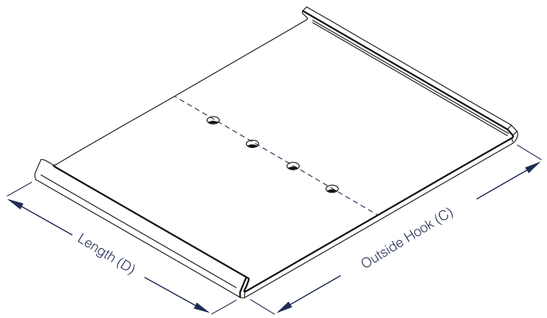
**Bar Rail Liners** | *see page 110*

**Spray Nozzles** | *see page 135*

## Application

- Scalping
- Ideal for high impact areas

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement between the outside of one hook and the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

| Heavy Duty Applications Opening | Wire Diameter x 2 | Open Area | Weight per sq. ft. |
|---|---|---|---|
| 1-1/2" | .437" | 29.90% | 21.95 lbs. |
| 1-3/4" | .437" | 44.40% | 19.86 lbs. |
| 2-1/2" | .500" | 51% | 19.46 lbs. |
| 3" | .500" | 56.30% | 17.02 lbs. |
| 4" | .625" | 61.20% | 15.65 lbs. |
| 5" | .625" | 64% | 13.22 lbs. |
| **Medium Duty Applications Opening** | **Wire Diameter x 2** | **Open Area** | **Weight per sq. ft.** |
| 1" | .225" | 47.60% | 9.51 lbs. |
| 1-1/4" | .312" | 44.40% | 14.19 lbs. |
| 1-1/2" | .312" | 49.80% | 12.52 lbs. |
| 1-3/4" | .312" | 54.30% | 11.2 lbs. |
| 2" | .375" | 52.90% | 13.93 lbs. |
| 2-1/2" | .375" | 59.20% | 11.79 lbs. |
| 3" | .437" | 59.80% | 13.45 lbs. |
| 4" | .437" | 65.80% | 11.16 lbs. |
| 5" | .437" | 72.40% | 8.87 lbs. |
| **Light Duty Applications Opening** | **Wire Diameter x 2** | **Open Area** | **Weight per sq. ft.** |
| 1" | .177" | 54.50% | 6.3 lbs. |
| 1-1/4" | .250" | 51% | 9.73 lbs. |
| 1-1/2" | .250" | 56.30% | 8.51 lbs. |
| 1-3/4" | .250" | 60.50% | 7.57 lbs. |
| 2" | .312" | 58% | 10.13 lbs. |
| 2-1/2" | .312" | 64% | 8.51 lbs. |
| 3" | .312" | 68.50% | 7.34 lbs. |
| 4" | .375" | 71.40% | 7 lbs. |
| 5" | .375" | 79% | 6.66 lbs. |



HAVER & TYLER

Screens • Tensioned Sections

# Tyler Square

*Tyler Square opening woven wire sections are abrasive resistant, provide accurate sizing and offer great open area.*

## Features & Benefits

- Ty-Pro wire provides extended screen life in the field.
- Unique induction heat system incorporated in the manufacturing process heats hooks evenly resulting in less breakage of screens and reduced downtime.
- Galvanized metal reinforced edges provide long lasting finish and safety during installation.

## Options

### Wire Cloth Extensions

Eliminates space between screens where material can fall through. Used primarily for small openings.

### Punching

Utilizes center hold down bars for secure fastening at the center of the deck.

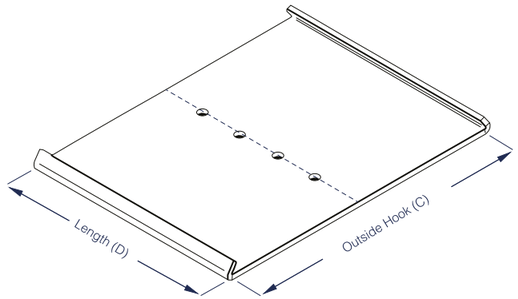
### Bent Edges

Depending on wire diameter bent edges provide an alternate to metal reinforced edges.

## Application

- For applications where sizing accuracy is critical and blinding and pegging are not of concern.

## For the perfect fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement from the outside of one hook to the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

### ACCESSORIES

**Bar Rail Liners** | *see page 110*

**J-Bolts** | *see page 15*

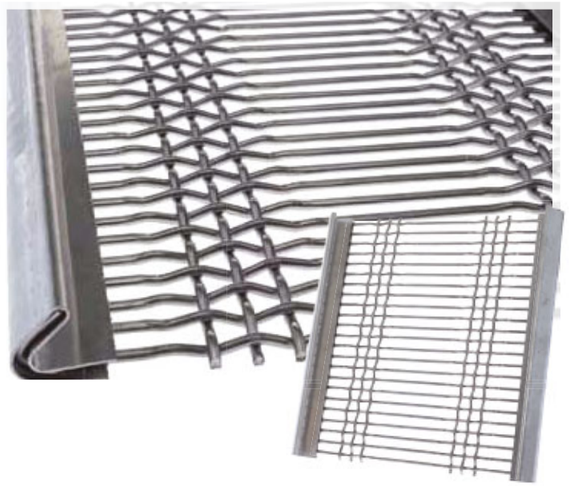
**Spray Nozzles** | *see page 135*

| Opening | Wire Diameter | Open Area | Weight per sq. ft. |
|---|---|---|---|
| 4" | .500" | 79.0% | 3.58 lbs |
| 3-1/2" | .500" | 76.6% | 4.03 lbs |
| 3" | .500" | 73.5% | 4.62 lbs |
| 2-3/4" | .437" | 77.4% | 2.90 lbs |
| 2-1/2" | .437" | 72.4% | 4.22 lbs |
| 2-1/4" | .375" | 73.4% | 3.46 lbs |
| 2" | .375" | 70.9% | 3.84 lbs |
| 1-3/4" | .375" | 67.8% | 4.30 lbs |
| 1-5/8" | .375" | 68.0% | 4.59 lbs |
| 1-1/2" | .375" | 64.0% | 4.90 lbs |
| 1-1/2" | .312" | 68.5% | 3.50 lbs |
| 1-1/4" | .312" | 64.0% | 4.08 lbs |
| 1-1/8" | .312" | 61.2% | 4.45 lbs |
| 1-1/8" | .250" | 66.9% | 2.96 lbs |
| 1-1/16" | .250" | 64.0% | 3.26 lbs |
| 1" | .250" | 62.1% | 3.26 lbs |
| 15/16" | .225" | 65.0% | 2.85 lbs |
| 7/8" | .225" | 61.0% | 3.01 lbs |
| 13/16" | .207" | 62.1% | 2.76 lbs |
| 3/4" | .207" | 61.4% | 2.93 |
| 11/16" | .192" | 61.0% | 2.74 lbs |
| 5/8" | .192" | 58.5% | 2.97 lbs |
| 9/16" | .192" | 55.6% | 3.26 lbs |
| 1/2" | .177" | 54.5% | 3.06 lbs |
| 7/16" | .162" | 53.2% | 2.90 lbs |
| 3/8" | .148" | 51.4% | 2.79 lbs |
| 5/16" | .135" | 48.0% | 2.72 lbs |
| 1/4" | .120" | 45.6% | 2.62 lbs |
| 1/4" | .092" | 53.4% | 1.64 lbs |
| 3/16" | .092" | 45.1% | 2.04 lbs |
| 1/8" | .080" | 37.2% | 2.15 lbs |

*This list represents those items that are stocked for aggregate applications.*
*There are a wide range of specifications available finer than 1/8" opening and in various steel alloys.*

# Ty-Rod

*Ty-Rod screens are woven wire sections with slotted openings to maximize open area.*



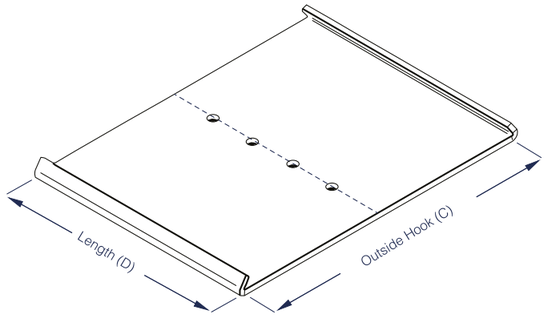
## Application

- For applications where sizing accuracy is not critical but maximum open area is required.

## Features & Benefits

- Unique slotted screen design reduces blinding and pegging of particles.
- Openings ranging from 2" to 20 mesh ensure optimum screening for damp or sticky materials.
- Galvanized metal reinforced edges provide long lasting finish.

## For the perfect fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement between the outside of one hook and the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

## Options

### Wire Cloth Extensions

Eliminate space between screens where material can escape. These extensions are most commonly suited for small openings.

### Punching

Punching incorporates center hold down bars to provide secure fastening at the center of the deck.

### ACCESSORIES

**Bar Rail Liners** | *see page 110*

**J-Bolts** | *see page 15*

**Spray Nozzles** | *see page 135*

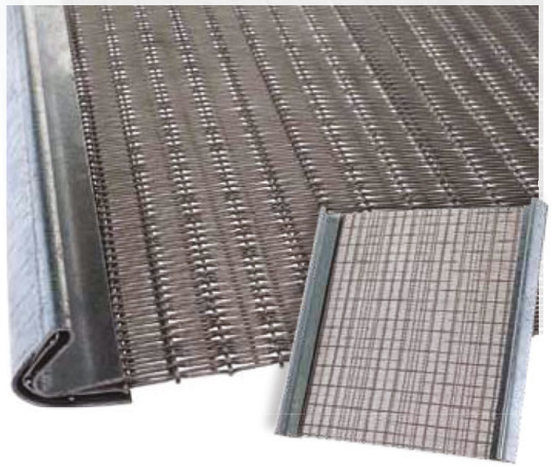
| Opening | Wire Diameter | Ty-Rod Number |
|---|---|---|
| .079" | .500" | # 9653 |
| .125" | .500" | # 9435 |
| .187" | .500" | # 9398 |
| .250" | .437" | # 9381 |
| .312" | .437" | # 9362 |
| .312" | .375" | # 9363 |
| .375" | .375" | # 9350 |
| .375" | .375" | # 9452 |
| .500" | .375" | # 9536 |
| .625" | .375" | # 9528 |
| .750" | .312" | # 9519 |

*This list represents those items that are stocked.*
*There are a wide range of specifications available upon request.*

With any opening, the wire diameter determines the open area and thus the screening capacity of a screen section. Combinations of opening and wire diameter require specific crimping dies to ensure high-quality screens. We carry a wide range of crimping dies and offer customers the best crimp for the required specification and application.

# Ton-Cap

*Ton-Cap woven wire sections are specifically designed for high tonnage applications. The unique and durable design handles high capacities without an increase in wire diameter.*



## Features & Benefits

- Distinct slotted design provides increased open area increasing screening efficiencies.
- Slotted openings ranging from 3" to 50 mesh ensure the ideal fit for a variety of classifying applications.
- Induction heating minimizes the risk of hooks breaking by heating the product evenly to maintain strength and integrity - similar to microwave.

## Options

### Wire Cloth Extensions

Incorporating wire cloth extensions completely eliminates the space between screens – a potential trouble spot for material escaping. The extensions are most commonly used with small openings.

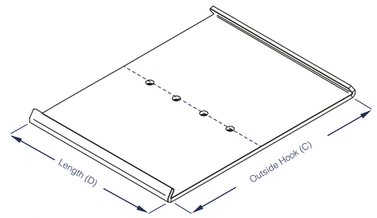
### Punching

Center hold down bars allow secure fastening at the center of the deck.

## Application

- High tonnages.
- For applications requiring increased open area where sizing accuracy is not critical.

## For the perfect fit




**Please Provide:**

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**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement between the outside of one hook and the outside of the other hook

**D –** Length - Measurement of the length of the hook.

**E –** Hook Type - See page 14

### ACCESSORIES

**Bar Rail Liners** | *see page 110*

**Spray Nozzles** | *see page 135*

| Opening | Wire Diameter | Ton-Cap Number |
|---|---|---|
| .0202" | .025" T304 Stainless steel | # 494 |
| .023" | .025" T304 Stainless steel | # 434 |
| .0257" | .032" High Carbon steel | # 422 |
| .076" | .054" High Carbon steel | # 741 |
| .081" | .047" High Carbon steel | # 745 |
| .089" | .054" High Carbon steel | # 239 |
| .150" | .135" High Carbon steel | # 7678 |
| .187" | .072" High Carbon steel | # 2670 |
| .250" | .072" High Carbon steel | # 3245 |
| .250" | .120" High Carbon steel | # 3274 |

This list represents those items that are stocked.

There are a wide range of specifications available upon request.





HAVER & TYLER

# Multi-Shute

*Multi-Shute woven wire sections feature a slotted, custom design tailored to opening and wire diameter needs, resulting in a highly durable media that minimizes blinding.*

## Features & Benefits

- Custom layout of cross wire clusters allows for increased slot length while maintaining integrity of screen opening.
- Manufactured with Ty-Pro wire resulting in better impact resistance and extended wear life.
- Induction heating minimizes the risk of hooks breaking by heating the product evenly to maintain strength and integrity - similar to microwave.

## Options

### Wire Cloth Extensions

Eliminate space between screens where material can fall through. Used primarily for small openings.

### Punching

Utilizes center hold down bars for secure fastening at the center of the deck.

### ACCESSORIES

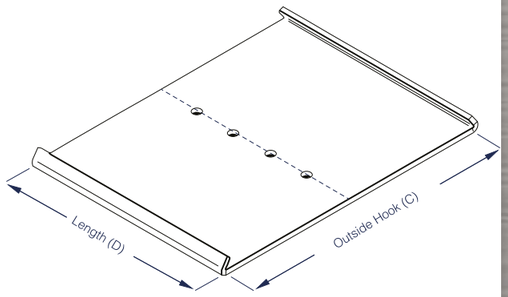
**Bar Rail Liners** | *see page 110*

**Spray Nozzles** | *see page 135*

## Application

- For applications where sizing accuracy is not critical.
- Ideal for blinding applications.

## For the perfect fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement between the outside of one hook and the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E –** Hook Type - See page 14

| Opening | Wire Diameter |
|---|---|
| All custom made. | |



Screens • Tensioned Sections

# Ty-Dura

*Ty-Dura sections are abrasive resistant, rubber sections, fabricated with 3/8" to 3" thick rubber and feature square, round or slotted openings.*

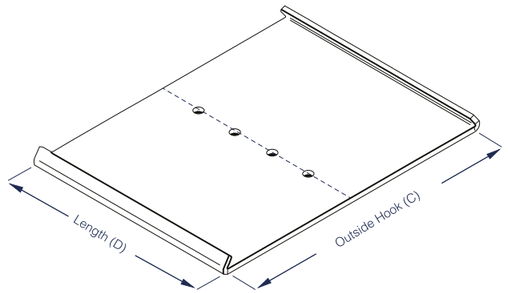
## Application

- Abrasive materials
- Ideal for high impact areas

## Features & Benefits

- Unique cable substructure eliminates stretching of rubber and allows for ease of tensioning.
- Manufactured with standard tensionable hooks, there is no need for a deck conversion from wire cloth.
- Tapered openings offer an anti-pegging effect.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement from the outside of one hook to the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E -** Location of bar rails if blanking out required.

**F –** Hook Type - See page 14

## Options

### Solid Impact Area

Ty-Dura can be manufactured without openings in designated areas to improve longevity in high impact areas.

### Center Hold Down

Ty-Dura can be manufactured to allow secure fastening at the center of the deck in wide vibrating screens.

### Steel Backing

For high impact areas.

### ACCESSORIES

**J-Bolts** | *see page 15*

**Bar Rail Liners** | *see page 110*

**Spray Nozzles** | *see page 135*

| Square or Round Opening | Thickness |
|---|---|
| 1/8" | 3/8" |
| 3/16" | 3/8" |
| 1/4" | 3/8" |
| 5/16" | 7/16" |
| 3/8" | 1/2" |
| 7/16" | 1/2" |
| 1/2" | 5/8" |
| 9/16" | 3/4" |
| 5/8" | 3/4" |
| 11/16" | 3/4" |
| 3/4" | 7/8" |
| 7/8" | 1" |
| 1" | 1 1/8" |
| 1 1/8" | 1 1/4" |
| 1 1/4" | 1 1/4" |
| 1 5/16" | 1 1/4" |
| 1 3/8" | 1 1/2" |
| 1 1/2" | 1 1/2" |
| 1 5/8" | 1 3/4" |
| 1 3/4" | 1 3/4" |
| 1 7/8" | 2" |
| 2" | 2" |
| 2 1/4"" | 2" |
| 2 3/8" | 2 1/2" |
| 2 1/2" | 2 1/2" |
| 2 3/4" | 3 1/4" |
| 3" | 3" |
| 3 1/2" | 3" |

| Slotted Opening | Thickness |
|---|---|
| 1/8" x 1/2" | 3/8" |
| 3/16" x 1" | 1" |
| 1/4" x 1" | 1" |
| 1/8" x 1" | 1/2" |
| 1/4" x 1 1/2" | 1 1/4" |
| 5/16" x 1 1/4" | 1 1/4" |
| 5/16" x 1 1/2" | 1 1/4" |
| 5/16" x 2" | 1" |
| 3/8" x 5/8" | 2" |
| 3/8" x 1" | 1 1/8" |
| 3/8" x 2" | 1 1/4" |
| 3/8" x 3" | 1 1/8" |
| 3/8" x 4" | 1 1/4" |
| 1/2" x 1 5/8" | 3/4" |
| 1/2" x 1 5/8" | 5/8" |
| 1/2" x 1 5/8"" | 7/8" |
| 1/2" x 1 5/8" | 1 1/4" |
| 1/2" x 1 5/8" | 1 1/2" |
| 1/2" x 1 5/8" | 1 1/4" |
| 9/16" x 4" | 1 1/4" |
| 5/8" x 1 1/2" | 2" |
| 5/8" x 2" | 7/8" |
| 5/8" x 2 1/2" | 1 1/4" |
| 5/8" x 3" | 1 1/4" |
| 5/8" x 4" | 1 1/4" |
| 3/4" x 2" | 1" |
| 3/4" x 3" | 1 1/2" |
| 3/4" x 3" | 2" |
| 3/4" x 4" | 1 1/2" |
| 7/8" x 4" | 1 1/2" |
| 1" x 2" | 1" |
| 1" x 2" | 1 1/2" |
| 1" x 3" | 1 1/2" |
| 1" x 4" | 2" |
| 1 1/4" x 4" | 2" |
| 1 1/4" x 4" | 3" |
| 1 1/2" x 3" | 1 1/2" |
| 1 1/2" x 3" | 2" |
| 1 1/2" x 4" | 2" |
| 1 3/4" x 4" | 2" |
| 2" x 4" | 2" |
| 2 1/2" x 5" | 2 1/2" |
| 3" x 6" | 2 1/2" |

# Ty-Plate

*Ty-Plate screen sections are formulated to provide longer screen life and higher open area than conventional perforated plate.*

## Features & Benefits

- Wear resistant steel alloys provide longer screen life.
- Uniform construction of the screen allows for full clearance, from the top to the bottom of screen, with no risk of blinding.
- Tapered openings help to reduce pegging.

## Application

- Use where high open area is required
- Effective against pegging
- Abrasive materials

## Options

### Specialty Steels

Heat treated and abrasion resistant specialty steels provide extra durability.

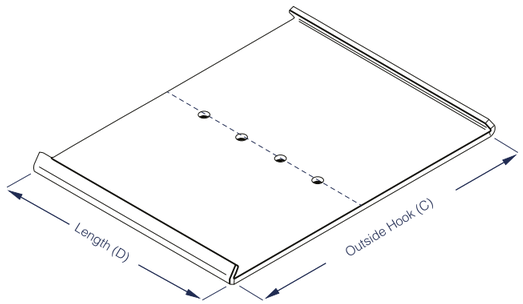
### Crown

Panel can be formed to suit crown on deck.

### Rubber Facing

Provides significant abrasion resistance, allowing a longer life.

## For the Perfect Fit




**Please Provide:**

**A –** Side Tensioned or End Tensioned

**B –** Hook Direction (2 Hooks Up / 2 Hooks Down or 1 Hook Up and 1 Hook Down)

**C –** Width - Measurement from the outside of one hook to the outside of the other hook

**D –** Length - Measurement of the length of the hook

**E -** Location of bar rails if blanking out required

**F –** Hook Type - See page 14

| Square Opening | Thickness |
|---|---|
| Available openings - 5/32" to 7" | Available thickness - 10 Gauge to 3/4" |

| Round Opening | Thickness |
|---|---|
| Available openings - 1/16" to 8" | Available thickness - 10 Gauge to 1" |

| Hexagonal Opening | Thickness |
|---|---|
| Available openings - 1/4" to 6" | Available thickness - 10 Gauge to 3/4" |

| Slotted Opening | Thickness |
|---|---|
| Available openings - 1/32" x 1/2" to 3" x 4" | Available thickness - 10 Gauge to 1" |

| Openings | Centers | Thickness | Open Area |
|---|---|---|---|
| 1/4" | 3/8" | 1/4" | 45% |
| 1/2" | 3/4" | 1/4" | 45% |
| 3/4" | 1 1/8" | 3/8" | 45% |
| 1" | 1 3/8" | 3/8" | 53% |
| 1 1/4" | 1 5/8" | 3/8" | 59% |
| 1 1/2" | 1 7/8" | 3/8" | 64% |
| 1 3/4" | 2 1/8" | 3/8" | 68% |
| 2" | 2 1/2" | 1/2" | 64% |
| 2 1/4" | 2 3/4" | 1/2" | 69% |
| 2 1/2" | 3" | 1/2" | 69% |



HAVER & TYLER

Screens • Tensioned Sections

# Tyler Mineral Processing Screens

*Tyler Mineral Processing screens are used where sharp separations and high efficiencies are required. Screens are tensioned by means of grommets or grommets with hooks, and can be utilized for high-heat applications with temperatures up to 600° F (315° C).*

## Features & Benefits

- Consists of abrasion-resistant wire, yielding longer wear life.
- Manufactured to a high standard for the output of a reliable, quality, consistent product.

## Options

### Wear Strips

Center wear strips help support the screen cloth when under the stress of a heavier load.

### High Heat Edging

Built for applications requiring high-heat endurance exceeding temperatures of 180° F (82° C).

### Ty-Ger Wire

Features high abrasion-resistant carbon steel.

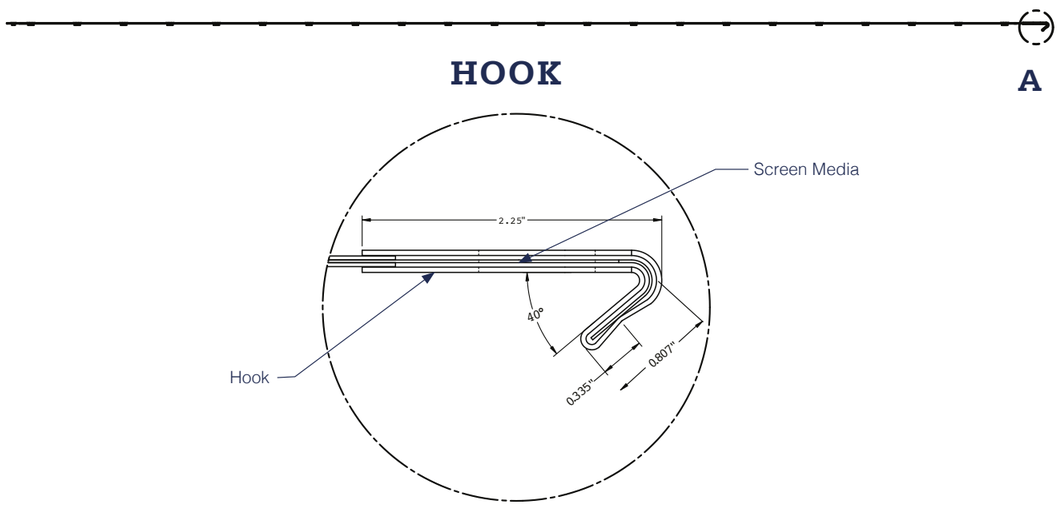
## Application

- For applications where sizing accuracy is critical
- Temperatures up to 600° F (315° C)

## Specifications

Opening and wire diameter are provided, depending on the application.

## Typical Section



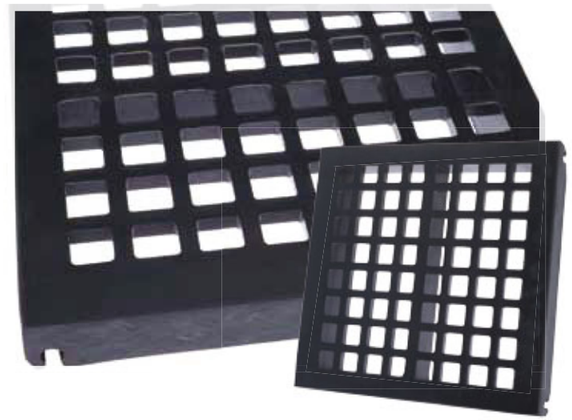







# Ty-Wire TS Panels

*Ty-Wire TS panels combine long wear life of polyurethane with the increased open area of woven wire cloth in a modular installation using a snap-in design.*



## Features & Benefits

- Hybrid design blends polyurethane and wire cloth offering greater open area than traditional modular polyurethane.
- Tapered openings virtually eliminate pegging.
- Unique composite material offers 4-6 times longer wear life than woven wire cloth.

## Options

### Retarding Bars/Dams

Ensure efficient flow of material across the screen surface.

## Application

### Top Size

- Up to 4" depending on particle size, type, drop height, rail spacing and feed method.

### Temperature Rating of

- Up to 160° F (71° C)

## ACCESSORIES

**Side Plate Liners** | *see page 112*
**Feed Box Liners** | *see page 112*
**Discharge Lip Liners** | *see page 112*
**Spray Nozzles** | *see page 135*

| Panel Configurations | Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 2' or 1' x 4' | 1/8" | 40 mm | 23.50% |
| | 3/16" | 40 mm | 29.90% |
| | 1/4" | 40 mm | 33.52% |
| | 5/16" | 40 mm | 36.00% |
| | 3/8" | 40 mm | 39.01% |
| | 7/16" | 40 mm | 43.20% |
| | 1/2" | 40 mm | 45.64% |
| | 9/16" | 40 mm | 47.50% |
| | 5/8" | 40 mm | 48.92% |
| | 3/4" | 40 mm | 43.66% |
| | 7/8" | 40 mm | 48.23% |
| | 1" | 40 mm | 51.02% |
| | 1 1/8" | 40 mm | 52.00% |
| | 1 1/4" | 40 mm | 55.00% |
| | 1 1/2" | 40 mm | 56.30% |
| | 1 5/8" | 40 mm | 58.70% |

# Ty-Wire PS Panels

*Ty-Wire PS hybrid panels combine the long wear life of polyurethane with the increased open area of wire cloth in a modular installation using pins and sleeves.*

## Features & Benefits

- Hybrid design blends polyurethane and wire cloth, offering greater open area than traditional modular polyurethane.
- Tapered openings virtually eliminate pegging.
- Unique composite material offers 4-6 times longer wear life than woven wire cloth.

## Options

### Solid Panels

Allow for increased wear life at impact area.

### Flex Membrane

This special formulation allows for more screening action and results in less blinding.

### Retarding Bars / Dams

Helps with the flow of material across screening surface.

### Dual Durometer

Hard and soft polyurethane combination provides better impact resistance in certain applications. Options available in 60 to 90 Durometers.

## Application

### Top Size

- Depending on application, tonnage, etc.

### Cut Size Range

- Smallest - .0197" / .50 mm x 12.0 mm slot
- Largest - 3 1/2" square / 3/4" x 4" slot

### Material Temperature Range

- Lowest - 32° F (0° C)
- Highest - 149° F continuously, 176° F intermittent
  65° C continuously, 80° C intermittent

## For the Perfect Fit

**Please Provide:**

**A –** Size of panel

**B –** Thickness required

### ACCESSORIES

**Pins & Sleeves** I *see page 15*

**Feed Box Liners** I *see page 112*

**Spray Nozzles** I *see page 135*

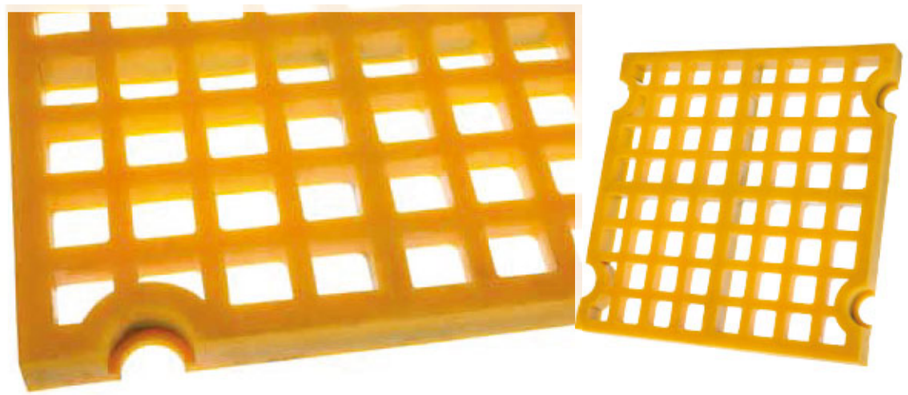


HAVER & TYLER

Screens • Modular Panels

# Tyrethane PS Panels

*Tyrethane PS panels are manufactured using a special formulation of polyurethane to guarantee optimum screening and longer wear life installed by using pins and sleeves.*



## Features & Benefits

- Modular design allows for sectional replacement of worn parts only, reducing maintenance costs.
- Modular panels are lightweight and easy to install, allowing quick and safe change-outs.
- Variety of designs available to suit your deck set-up. Requires no extra investment to reconfigure you deck frame.

## Options

### Solid Panels

Allow for increased wear life at impact area.

### Flex Membrane

This special formulation allows for more screening action and results in less blinding.

### Retarding Bars / Dams

Helps with the flow of material across screening surface.

### Dual Durometer

Hard and soft polyurethane combination provides better impact resistance in certain applications. Options available in 60 to 90 Durometers.

*Please see pages 46-47 for specification charts.*

## Application

### Top Size

- Depending on application, tonnage, etc.

### Cut Size Range

- Smallest - .0197" / .50 mm x 12.0 mm slot
- Largest - 3 1/2" square / 3/4" x 4" slot

### Material Temperature Range

- Lowest - 32° F (0° C)
- Highest - 149° F continuously, 176° F intermittent
  65° C continuously, 80° C intermittent

## For the Perfect Fit

**Please Provide:**

**A –** Size of panel

**B –** Thickness required

### ACCESSORIES

**Pins & Sleeves** I *see page 15*

**Feed Box Liners** I *see page 112*

**Spray Nozzles** I *see page 135*

# Tyrethane PS Panels



| Panel Configurations | Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 1' or 1' x 2' or 1' x 4' | 3/32" | 30 mm | 12.30% |
| | 1/8" | 30 mm | 13.50% |
| | 1/8" Flex | 30 mm | 21.90% |
| | 5/32" | 30 mm | 17.00% |
| | 5/32" Flex | 30 mm | 15.20% |
| | 3/16" | 30 mm | 22.30% |
| | 3/16" | 50 mm | 10.70% |
| | 3/16" Flex | 30 mm | 29.50% |
| | 7/32" Flex | 30 mm | 22.10% |
| | 1/4" | 30 mm | 25.40% |
| | 1/4" Flex | 30 mm | 24.80% |
| | 5/16" | 30 mm | 25.20% |
| | 5/16" Flex | 30 mm | 25.20% |
| | 3/8" | 30 mm | 27.60% |
| | 3/8" Flex | 30 mm | 35.20% |
| | 7/16" | 30 mm | 30.30% |
| | 7/16" | 40 mm | 34.70% |
| | 7/16" Flex | 30 mm | 26.00% |
| | 1/2" | 30 mm | 28.20% |
| | 1/2" Flex | 30 mm | 29.20% |
| | 9/16" | 30 mm | 34.20% |
| | 5/8" | 30 mm | 28.40% |
| | 11/16" | 30 mm | 33.10% |
| | 3/4" | 30 mm | 28.10% |
| | 3/4" | 40 mm | 28.10% |
| | 3/4" | 50 mm | 26.20% |
| | 7/8" | 30 mm | 34.00% |
| | 7/8" | 40 mm | 34.40% |
| | 1" | 30 mm | 44.40% |
| | 1" | 40 mm | 36.10% |
| | 1 1/8" | 30 mm | 31.40% |
| | 1 1/4" | 30 mm | 39.10% |
| | 1 1/4" | 40 mm | 35.80% |
| | 1 3/8" | 30 mm | 47.30% |
| | 1 1/2" | 40 mm | 25.00% |
| | 1 3/4" | 40 mm | 34.00% |
| | 1 7/8" | 40 mm | 39.30% |
| | 2" | 40 mm | 29.20% |
| | 2 1/2" | 50 mm | 39.10% |
| | 3" | 50 mm | 31.30% |
| | 3 1/2" | 50 mm | 34.00% |



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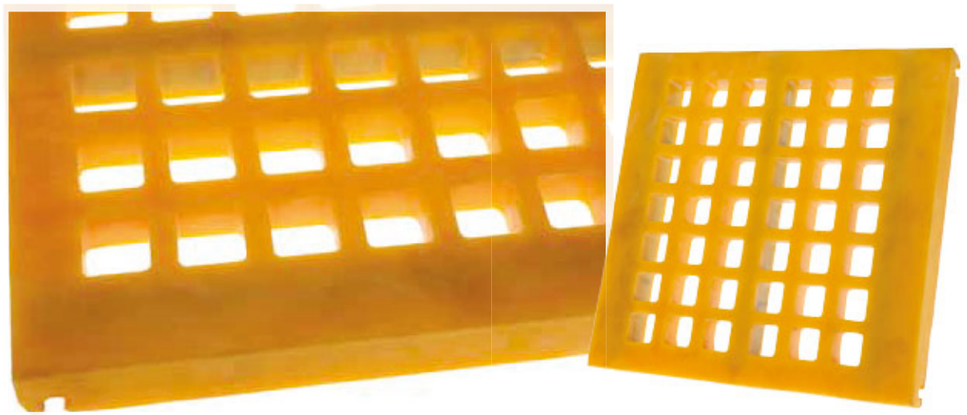
| Panel Configurations | Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 1' or 1' x 2' or 1' x 4' | .3 mm x 12.0 mm | 30 mm | 5.10% |
| | .5 mm x 12.0 mm | 30 mm | 7.10% |
| | .65 mm x 12.0 mm | 30 mm | 7.90% |
| | .8 mm x 25.4 mm | 30 mm | 9.60% |
| | .85 mm x 1/2" | 30 mm | 9.40% |
| | 1.0 mm x 25.4 mm | 30 mm | 11.30% |
| | 1.0 mm x 12.0 mm | 30 mm | 10.60% |
| | 1.25 mm x 25.4 mm | 30 mm | 13.10% |
| | 1.5 mm x 25.4 mm | 30 mm | 14.00% |
| | 2.0 mm x 25.4 mm | 30 mm | 16.70% |
| | 2.0 mm x 12.0 mm | 30 mm | 15.60% |
| | 3/32" x 1" | 30 mm | 19.80% |
| | 2.6 mm x 10.0 mm | 30 mm | 17.60% |
| | 1/8" x 1/2" Flex | 30 mm | 21.70% |
| | 1/8" x 1" | 30 mm | 23.60% |
| | 5/32" x 1" | 30 mm | 26.20% |
| | 3/16" x 1/2" Flex | 30 mm | 25.60% |
| | 3/16" x 1" | 30 mm | 29.10% |
| | 1/4" x 1" | 30 mm | 30.60% |
| | 1/4" x 2" | 30 mm | 30.60% |
| | 5/16" x 1" | 30 mm | 31.20% |
| | 3/8" x 1" | 30 mm | 33.30% |
| | 12.0 mm x 26.0 mm | 30 mm | 32.00% |
| | 1/2" x 1-1/2" | 40 mm | 23.40% |
| | 1/2" x 2-1/2" | 40 mm | 23.40% |
| | 3/4" x 2" | 30 mm | 37.80% |
| | 3/4" x 2" | 40 mm | 33.30% |
| | 3/4" x 4" | 30 mm | 37.80% |
| | 3/4" x 4" | 40 mm | 33.30% |

# Tyrethane TS Panels

*Tyrethane TS panels are manufactured using a special polyurethane formulation developed for optimum results and installed using a snap-in design.*



## Features & Benefits

- Snap-in design eases installation.
- Modular panels are lightweight and easy to install, allowing simple change-outs.
- Various designs ensure a style to suit your deck set-up, avoiding an extra investment in reconfiguring your deck frame.

## Options

### Solid Panels

Allows for increased wear life at impact area.

### Flex Membrane

A special formulation allowing for more screening action and preventing blinding.

### Diverters / Retarding Bars / Dams

To help with the flow of material across screening surface.

### Dual Durometer

For better impact resistance, a combination of harder and softer polyurethane can be utilized in certain applications.

## Application

### Top Size

- Depending on application, tonnage, etc.

### Cut Size Range

- Smallest - .0197" / .50 mm x 12.0 mm slot
- Largest - 3 1/2" square / 3/4" x 4" slot

### Material Temperature Range

- Lowest - 32° F (0° C)
- Highest - 149° F continuously, 176° F intermittent
  65° C continuously, 80° C intermittent

## ACCESSORIES

**Side Plate Liners** *see page 112*

**Feed Box Liners** *see page 112*

**Discharge Lip Liners** *see page 112*

**Spray Nozzles** *see page 135*

| Square Opening | Thickness | Open Area |
|---|---|---|
| 1/8" | 40 mm | 15.70% |
| 5/32" | 40 mm | 19.80% |
| 3/16" | 40 mm | 22.10% |
| 3/16" Flex | 40 mm | 22.10% |
| 1/4" | 40 mm | 27.20% |
| 1/4" Flex | 40 mm | 24.40% |
| 5/16" | 40 mm | 29.00% |
| 5/16" Flex | 40 mm | 25.40% |
| 3/8" | 40 mm | 32.00% |
| 3/8" Flex | 40 mm | 29.00% |
| 7/16" | 40 mm | 30.60% |
| 1/2" | 40 mm | 26.70% |
| 5/8" | 40 mm | 33.00% |
| 3/4" | 40 mm | 40.00% |
| 7/8" | 40 mm | 35.10% |
| 1" | 40 mm | 37.60% |
| 1 3/16" | 50 mm | 30.50% |
| 1 1/4" | 40 mm | 33.60% |
| 1 1/4" | 50 mm | 33.60% |
| 1 3/8" | 40 mm | 40.70% |
| 1 1/2" | 50 mm | 29.00% |
| 1 5/8" | 50 mm | 34.10% |
| 1 3/4" | 50 mm | 41.10% |

| Slotted Opening | Thickness | Open Area |
|---|---|---|
| 1.0 mm x 1/2" | 50 mm | 24.00% |
| 1.5 mm x 24.0 mm | 40 mm | 16.10% |
| 2.0 mm x 1/2" | 50 mm | 24.00% |
| 2.5 mm x 1" | 40 mm | 21.80% |
| 1/8" x 1" | 40 mm | 32.00% |
| 5/32" x 1 1/2" | 40 mm | 35.00% |
| 7/16" x 7/8" | 50 mm | 30.00% |
| 1" x 3" | 50 mm | 42.00% |
| 1" x 4 1/2" | 50 mm | 37.50% |
| 1" x 5" | 50 mm | 42.00% |



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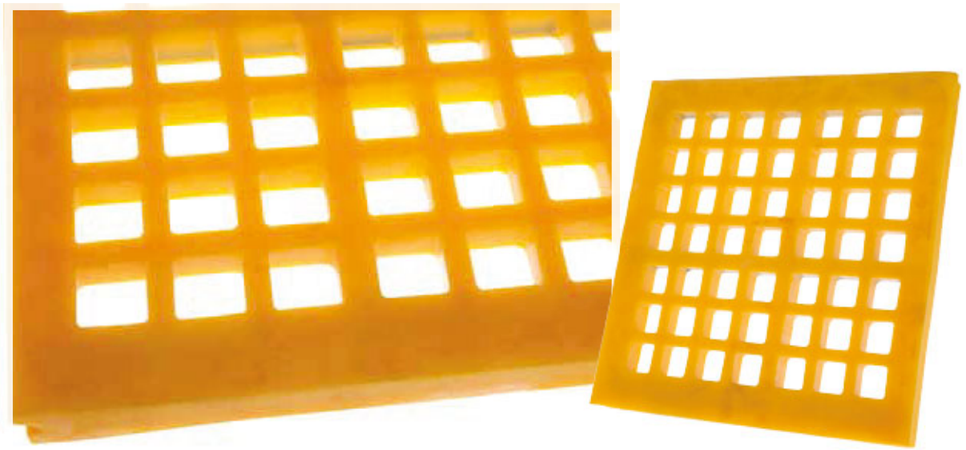
# Tyrethane TG Panels

*Tyrethane TG panels are manufactured with a special formulation, developed for optimum results, and utilizing a tongue and groove design.*



## Features & Benefits

- Tongue and groove design eases installation.
- Lightweight and easy to install, modular panels allow for quick and safe updates with minimal tools required.
- Various designs are readily available to suit a deck set-up. This prevents extra costs spent on reconfiguring a deck frame.

## Options

### Solid Panels

To boost wear life at impact area.

### Flex Membrane

Flex unibody membrane formulation decreases blinding and allows for additional screening action.

### Diverters / Retarding Bars / Dams

To help with the flow of material across screening surface.

### Dual Durometer

Improved impact resistance can be attained in certain applications utilizing a combination of harder and softer polyurethane.

## Application

### Top Size

- Depending on application, tonnage, etc.

### Cut Size Range

- Smallest - .0197" / .50 mm x 12.0 mm slot
- Largest - 3 1/2" square / 3/4" x 4" slot

### Material Temperature Range

- Lowest - 32° F (0° C)
- Highest - 149° F continuously, 176° F intermittent
  65° C continuously, 80° C intermittent

## For the Perfect Fit

**Please Provide:**

**A –** Size of panel

**B –** Thickness required

## ACCESSORIES

**Side Plate Liners** | *see page 112*

**Feed Box Liners** | *see page 112*

**Discharge Lip Liners** | *see page 112*

**Spray Nozzles** | *see page 135*

| Panel Configurations | Square Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 2' or 1' x 4' | 3/32" | 1 3/16" | 14.0% |
| | 1/8" | 1 3/16" | 15.4% |
| | 1/8" Flex | 1 3/16" | 21.3% |
| | 5/32" | 1 3/16" | 19.5% |
| | 5/32" Flex | 1 3/16" | 17.4% |
| | 3/16" | 1 3/16" | 25.5% |
| | 3/16" | 1 3/16" | 28.7% |
| | 3/16" Flex | 1 3/16" | 29.0% |
| | 7/32" Flex | 1 3/16" | 27.5% |
| | 1/4" | 1 3/16" | 29.0% |
| | 1/4" Flex | 1 3/16" | 27.5% |
| | 5/16" | 1 3/16" | 28.9% |
| | 5/16" Flex | 1 3/16" | 28.9% |
| | 3/8" | 1 3/16" | 31.5% |
| | 3/8" Flex | 1 3/16" | 28.6% |
| | 7/16" | 1 3/16" | 34.7% |
| | 7/16" Flex | 1 3/16" | 29.7% |
| | 15/32" | 1 3/16" | 32.1% |
| | 1/2" | 1 3/16" | 32.2% |
| | 1/2" Flex | 1 3/16" | 29.6% |
| | 9/16" | 1 3/16" | 39.1% |
| | 9/16" Flex | 1 3/16" | 36.0% |
| | 5/8" | 1 3/16" | 32.5% |
| | 11/16" | 1 3/16" | 37.8% |
| | 3/4" | 1 3/16" | 43.7% |
| | 3/4" Flex | 1 3/16" | 39.6% |
| | 7/8" | 1 3/16" | 38.9% |
| | 1" | 1 3/16" | 45.1% |
| | 1 1/8" | 1 3/16" | 35.8% |
| | 1 1/4" | 1 3/16" | 39.7% |
| | 1 1/4" HD | 2" | 28.9% |
| | 1 3/8" | 1 3/16" | 48.0% |
| | 1 1/2" | 1 11/16" | 31.7% |
| | 1 1/2" HD | 2" | 35.7% |
| | 1 3/4" | 1 11/16" | 38.9% |
| | 1 7/8" | 1 11/16" | 39.9% |
| | 1 7/8" HD | 2 3/8" | 39.9% |
| | 2" | 1 11/16" | 31.7% |
| | 2" HD | 2 3/4" | 37.0% |
| | 2 1/2" | 2 3/16" | 43.0% |
| | 2 1/4" | 2" | 43.7% |
| | 3" | 2 3/16" | 31.7% |
| | 3 1/2" | 2 3/4" | 38.9% |

*Please refer to page 52 for Tyrethane TG Panel slotted opening specifications.*



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# Tyrethane TG Panels

| Slotted Openings | Thickness | Open Area |
|---|---|---|
| 0.65 mm x 12.0 mm | 1 3/16" | 9.10% |
| 0.8 mm x 25.4 | 1 3/16" | 11.0% |
| .085 mm x 1/2" | 1 3/16" | 10.7% |
| 1.0 mm x 25.4 mm | 1 3/16" | 12.9% |
| 1.0 mm x 12.0 mm | 1 3/16" | 12.1% |
| 1.25 mm x 25.4 mm | 1 3/16" | 14.9% |
| 1.5 mm x 25.4 mm | 1 3/16" | 16.0% |
| 2.0 mm x 12.0 mm | 1 3/16" | 17.9% |
| 2.0 mm x 25.4 mm | 1 3/16" | 19.1% |
| 3/32" x 1" | 1 3/16" | 22.7% |
| 2.6 mm x 10.0 mm | 1 3/16" | 20.1% |
| 1/8" x 1" | 1 3/16" | 27.0% |
| 1/8"x 1/2" Flex | 1 3/16" | 22.3% |
| 5/32" x 1" | 1 3/16" | 29.9% |
| 5/32" x 1/2" Flex | 1 3/16" | 28.5% |
| 3/16" x 1" | 1 3/16" | 33.2% |
| 3/16" x 1/2" Flex | 1 3/16" | 29.2% |
| 1/4" x 1" | 1 3/16" | 34.9% |
| 1/4" x 2" | 1 3/16" | 34.9% |
| 1/4" x 1" Flex | 1 3/16" | 38.1% |
| 5/16" x 1" | 1 3/16" | 35.7% |
| 3/8" x 1" | 1 3/16" | 38.1% |
| 3/8" x 1" Flex | 1 3/16" | 33.9% |
| 1/2" x 1" | 1 9/16" | 38.1% |
| 1 1/16" x 1 5/16" | 1 9/16" | 46.3% |
| 1 5/8" x 1 3/4" | 2 3/4" | 34.0% |

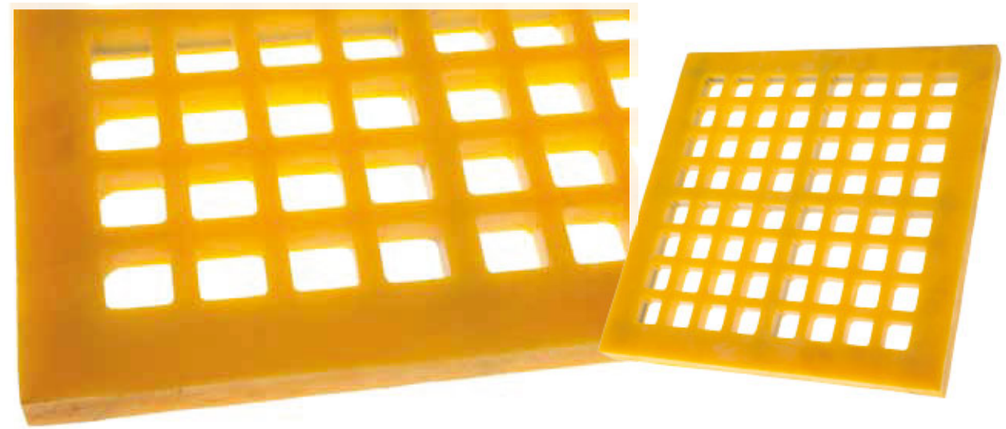






# Tyrethane BD Panels

*Tyrethane BD panels are formulated to achieve optimum results, and are installed using a bolt down design.*



## Features & Benefits

- Bolt-down design eases installation.
- Modular panels are lightweight and can be exchanged quickly.
- A selection of designs are available to prevent a costly deck reconfiguration.

## Options

### Solid Panels

To increase longevity at impact area.

### Flex Membrane

Flex unibody membrane prevents blinding and contains a special formulation to allow more screening action.

### Diverters / Retarding Bars / Dams

To maintain the flow efficiency of material across screening surface.

### Dual Durometer

Combination polyurethane provides better impact resistance.

## Application

### Top Size

- Depending on application, tonnage, etc.

### Cut Size Range

- Smallest - .0197" / .50 mm x 12.0 mm slot
- Largest - 3 1/2" square / 3/4" x 4" slot

### Material Temperature Range

- Lowest - 32° F (0° C)
- Highest - 149° F continuously, 176° F intermittent
  65° C continuously, 80° C intermittent

## For the Perfect Fit

**Please Provide:**

**A –** Size of panel

**B –** Thickness required

## ACCESSORIES

**Side Plate Liners** | *see page 112*

**Feed Box Liners** | *see page 112*

**Discharge Lip Liners** | *see page 112*

**Spray Nozzles** | *see page 135*

*Please see pages 54-55 for specification charts.*

# Tyrethane BD Panels



| Square Opening | Thickness | Open Area |
|---|---|---|
| 3/32" | 30 mm | 12.3% |
| 1/8" | 30 mm | 13.5% |
| 1/8" Flex | 30 mm | 21.9% |
| 5/32" | 30 mm | 17.0% |
| 5/32" Flex | 30 mm | 15.2% |
| 3/16" | 30 mm | 22.3% |
| 3/16" | 50 mm | 10.7% |
| 3/16" Flex | 30 mm | 29.5% |
| 7/32" Flex | 30 mm | 22.1% |
| 1/4" | 30 mm | 25.4% |
| 1/4" Flex | 30 mm | 24.8% |
| 5/16" | 30 mm | 25.2% |
| 5/16" Flex | 30 mm | 25.2% |
| 3/8" | 30 mm | 27.6% |
| 3/8" Flex | 30 mm | 35.2% |
| 7/16" | 30 mm | 30.3% |
| 7/16" | 40 mm | 34.7% |
| 7/16" Flex | 30 mm | 26.0% |
| 1/2" | 30 mm | 28.2% |
| 1/2" Flex | 30 mm | 29.2% |
| 9/16" | 30 mm | 34.2% |
| 5/8" | 30 mm | 28.4% |
| 11/16" | 30 mm | 33.1% |
| 3/4" | 30 mm | 28.1% |
| 3/4" | 40 mm | 28.1% |
| 3/4" | 50 mm | 26.2% |
| 7/8" | 30 mm | 34.0% |
| 7/8" | 40 mm | 34.4% |
| 1" | 30 mm | 44.4% |
| 1" | 40 mm | 36.1% |
| 1 1/8" | 30 mm | 31.4% |
| 1 1/4" | 30 mm | 39.1% |
| 1 1/4" | 40 mm | 35.8% |
| 1 3/8" | 30 mm | 47.3% |
| 1 1/2" | 40 mm | 25.0% |
| 1 3/4" | 40 mm | 34.0% |
| 1 7/8" | 40 mm | 39.3% |
| 2" | 40 mm | 29.2% |
| 2 1/2" | 50 mm | 39.1% |
| 3" | 50 mm | 31.3% |
| 3 1/2" | 50 mm | 34.0% |

| Slotted Opening | Thickness | Open Area |
|---|---|---|
| .3 mm x 12.0 mm | 30 mm | 5.10% |
| .5 mm x 12.0 mm | 30 mm | 7.10% |
| .65 mm x 12.0 mm | 30 mm | 7.90% |
| .8 mm x 25.4 mm | 30 mm | 9.60% |
| .85 mm x 1/2" | 30 mm | 9.40% |
| 1.0 mm x 25.4 mm | 30 mm | 11.3% |
| 1.0 mm x 12.0 mm | 30 mm | 10.6% |
| 1.25 mm x 25.4 mm | 30 mm | 13.1% |
| 1.5 mm x 25.4 mm | 30 mm | 14.0% |
| 2.0 mm x 25.4 mm | 30 mm | 16.7% |
| 2.0 mm x 12.0 mm | 30 mm | 15.6% |
| 3/32" x 1" | 30 mm | 19.8% |
| 2.6 mm x 10.0 mm | 30 mm | 17.6% |
| 1/8" x 1/2" Flex | 30 mm | 21.7% |
| 1/8" x 1" | 30 mm | 23.6% |
| 5/32" x 1" | 30 mm | 26.2% |
| 3/16" x 1/2" Flex | 30 mm | 25.6% |
| 3/16" x 1" | 30 mm | 29.1% |
| 1/4" x 1" | 30 mm | 30.6% |
| 1/4" x 2" | 30 mm | 30.6% |
| 5/16" x 1" | 30 mm | 31.2% |
| 3/8" x 1" | 30 mm | 33.3% |
| 12.0 mm x 26.0 mm | 30 mm | 32.0% |
| 1/2" x 1 1/2" | 40 mm | 23.4% |
| 1/2" x 2 1/2" | 40 mm | 23.4% |
| 3/4" x 2" | 30 mm | 37.8% |
| 3/4" x 2" | 40 mm | 33.3% |
| 3/4" x 4" | 30 mm | 37.8% |
| 3/4" x 4" | 40 mm | 33.3% |



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# Ty-Blitz

*Ty-Blitz is a two-part modular polyurethane panel consisting of a top screen surface panel and a bottom support section. When the top surface wears through, the bottom will remain in tact.*

## Features & Benefits

- Removable screen surface lowers replacement costs and reduces waste.
- Lightweight modular panels are quick, safe and easy to install in just seconds.
- Pin secures panel support structure in deck, minimizing deck damage and saving on labor costs.

## Options

### Solid Panels

Allow retarding for increased wear life at impact area.

### Retarding Bars/Dams

Maintains the flow efficiency of material across screening surface.

### Dual Durometer

Features a combination of hard to soft polyurethane, which provides better impact resistance.

## Application

- Effective in wet applications.
- Effective in applications where the lowest screening cost per ton is required.

## ACCESSORIES

**Pins & Sleeves** | *see page 15*
**Side Plate Liners** | *see page 112*
**Spray Nozzles** | *see page 135*
**Feed Box Liners** | *see page 112*
**Discharge Lip Liners** | *see page 112*

| Square Openings 1' x 1' Panels | Thickness |
|---|---|
| 3.5 mm | 40 mm |
| 3/16" | 40 mm |
| 3/8" | 40 mm |
| 1" | 40 mm |

| Slotted Openings 1' x 1' Panels | Thickness |
|---|---|
| 0.25 mm x 13.0 mm | 40 mm |
| .035 mm x 13.0 mm | 40 mm |
| 0.6 mm x 13.0 mm | 40 mm |
| 1.0 mm x 13.0 mm | 40 mm |
| 1.25 mm x 12.5 mm | 40 mm |
| 1.5 mm x 12.5 mm | 40 mm |
| 2.0 mm x 13.0 mm | 40 mm |
| 2.5 mm x 12.5 mm | 40 mm |
| 3.0 mm x 15.0 mm | 40 mm |
| 3.5 mm x 13.5 mm | 40 mm |
| 9.5 mm x 62.0 mm | 40 mm |

| Zig Zag Slotted Openings 1' x 1' Panels | Thickness |
|---|---|
| 5.0 mm x vibe x | 40 mm |
| 8.5 mm x vibe x | 40 mm |
| 10.5 mm x vibe x | 40 mm |
| 12.0 mm x vibe x | 40 mm |



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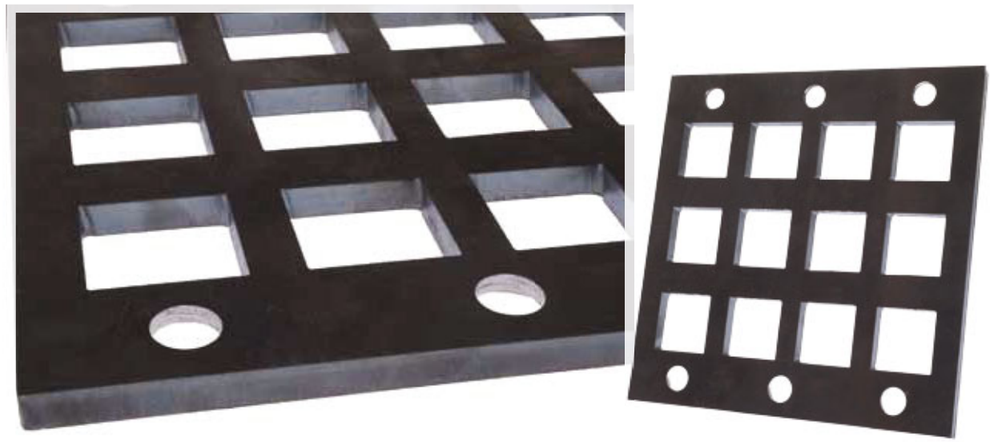
# Ty-Plate BD Panels

*Ty-Plate BD panels are built with wear resistant steel alloys, and feature a bolt-down design that lowers the risk of blinding and pegging.*



## Features & Benefits

- Bolt-down design eases installation.
- Uniform construction design offers full clearance from the top to the bottom of screen with minimal risk of blinding.
- Offers tapered openings to reduce pegging.

## Options

### Specialty Steel

Heat treated, abrasion resistant steel provides advanced durability.

### Crown

Panel can be formed to a crown on deck.

### Rubber Facing

Helps to resist abrasion and makes for a longer life.

## Application

- Use where high open area is required
- Effective against pegging
- Abrasive materials

## For the Perfect Fit

**Please Provide:**

**A –** Width - Measurement from the outside of one hook to the outside of the other hook

**B –** Length - Measurement of the length of the hook

**C –** Location of bar rails in blanking out required.

## ACCESSORIES

**Side Plate Liners** | *see page 112*

**Feed Box Liners** | *see page 112*

**Discharge Lip Liners** | *see page 112*

**Spray Nozzles** | *see page 135*

| Square Opening | Thickness |
|---|---|
| 5/32" to 7" | 10 Gauge to 3/4" |

| Round Opening | Thickness |
|---|---|
| 1/16" to 8" | 10 Gauge to 1" |

| Hexagonal Opening | Thickness |
|---|---|
| 1/4" to 6" | 10 Gauge to 3/4" |

| Slotted Opening | Thickness |
|---|---|
| 1/32" x 1/2" to 3" x 4" | 10 Gauge to 1" |

| Openings | Centers | Thickness | Open Area |
|---|---|---|---|
| 1/4" | 3/8" | 1/4" | 45% |
| 1/2" | 3/4" | 1/4" | 45% |
| 3/4" | 1 1/8" | 3/8" | 45% |
| 1" | 1 3/8" | 3/8" | 53% |
| 1 1/4" | 1 5/8" | 3/8" | 59% |
| 1 1/2" | 1 7/8" | 3/8" | 64% |
| 1 3/4" | 2 1/8" | 3/8" | 68% |
| 2" | 2 1/2" | 1/2" | 64% |
| 2 1/4" | 2 3/4" | 1/2" | 69% |
| 2 1/2" | 3" | 1/2" | 69% |

Screens • Modular Panels

# Ty-Dura TS Panels

*Ty-Dura TS panels feature a rubber screening surface that stands up to the most rugged screening applications and is installed using a snap-in design.*

## Features & Benefits

- Snap-in design eases installation.
- Modular panels are lightweight and easy to install, providing quick and safe change-outs.
- With a variety of designs – ranging 5 mm to 38 mm – panels are built to suit your deck set-up without reconfiguring.

## Application

- Abrasive materials
- Ideal for high impact areas
- Effective against pegging

## For the perfect fit

**Please Provide:**
**A –** Size of panel.
**B –** Thickness required.

## Options

### Solid Panels

For increased wear life at impact area.

### Retarding Bars / Dams

To promote movement of material across screening surface.

### Dual Durometer

A combination of harder and softer rubber to provide better material movement.

## ACCESSORIES

**Side Plate Liners** | *see page 112*
**Feed Box Liners** | *see page 112*
**Discharge Lip Liners** | *see page 112*
**Spray Nozzles** | *see page 135*

| Panel Configurations | Square Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 1' and 1' x 2' | 25 mm | 45 mm | 40.8% |
| | 50 mm | 60 mm | 32.3% |
| | 75 mm | 80 mm | 30.3% |
| | 90 mm | 65 mm | 34.9% |
| | **Slotted Opening** | **Thickness** | **Open Area** |
| | 20 mm x 57 mm | 65 mm | 39.3% |
| | 25 mm x 75 mm | 45 mm | 42.4% |
| | 38 mm x 105 mm | 50 mm | 34.4% |
| | 50 mm x 100 mm | 65 mm | 32.3% |
| | 50 mm x 105 mm | 60 mm | 33.9% |
| | 60 mm x 100 mm | 65 mm | 38.8% |
| | 75 mm x 100 mm | 65 mm | 32.3% |



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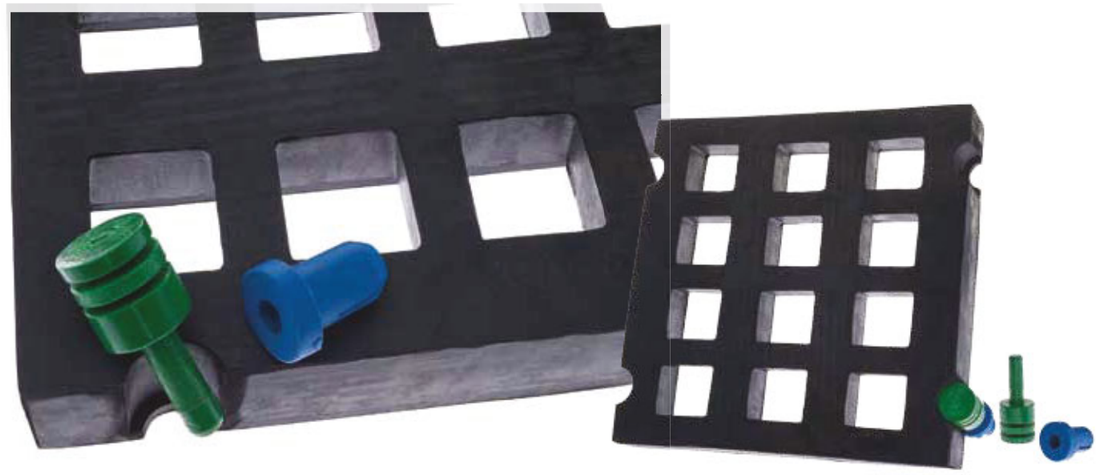
Screens • Modular Panels

# Ty-Dura PS Panels

*Ty-Dura PS panels are lightweight, modular and easy to install with a pin and sleeve design.*



## Features & Benefits

- Pins and sleeves design eases installation.
- Lightweight modular panels are easy to install quickly and safely.
- Several designs are available to ensure an appropriate fit for each deck set-up, eliminating deck reconfiguration expenses.

## Options

### Solid Panels

For increased wear life at impact area.

### Retarding Bars / Dams

To help with the flow of material across screening surface.

### Dual Durometer

A combination of harder and softer rubber will provide better impact resistance in certain applications.

## Application

- Abrasive materials
- Ideal for high impact areas

## For the perfect fit

**Please Provide:**

**A –** Size of panel

**B –** Thickness required

### ACCESSORIES

**Side Plate Liners** | *see page 112*

**Feed Box Liners** | *see page 112*

**Discharge Lip Liners** | *see page 112*

**Spray Nozzles** | *see page 135*

| Panel Configurations | Square Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 1' | 14 mm | 40 mm | 21.85% |
| 1' x 1' | 50 mm | 40 mm | 32.29% |
| 1' x 1' | 50 mm | 60 mm | 32.29% |
| 1' x 1' | 38 mm | 45 mm | 24.87% |
| 1' x 1' | 90 mm | 50 mm | 34.88% |
| 1' x 2' | 25 mm | 45 mm | 40.80% |
| 1' x 2' | 50 mm | 60 mm | 32.29% |
| 1' x 2' | 75 mm | 80 mm | 30.30% |
| 1' x 2' | 90 mm | 65 mm | 34.88% |

| Panel Configurations | Slotted Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 1' | 14 mm x 57 mm | 50 mm | 37.75% |
| 1' x 1' | 15 mm x 55 mm | 40 mm | 35.52% |
| 1' x 1' | 20 mm x 57 mm | 65 mm | 39.27% |
| 1' x 1' | 25 mm x 117 mm | 40 mm | 37.78% |
| 1' x 1' | 38 mm x 105 mm | 50 mm | 34.36% |
| 1' x 1' | 45 mm x 50 mm | 50 mm | 29.06% |
| 1' x 1' | 45 mm x 90 mm | 65 mm | 34.88% |
| 1' x 1' | 50 mm x 75 mm | 50 mm | 48.44% |
| 1' x 1' | 50 mm x 100 mm | 50 mm | 32.29% |
| 1' x 1' | 75 mm x 100 mm | 80 mm | 32.29% |
| 1' x 1' | 75 mm x 120 mm | 80 mm | 38.75% |
| 1' x 1' | 85 mm x 240 mm | 80 mm | 43.92% |
| 1' x 2' | 20 mm x 57 mm | 65 mm | 39.27% |
| 1' x 2' | 25 mm x 75 mm | 45 mm | 42.38% |
| 1' x 2' | 38 mm x 105 mm | 50 mm | 34.36% |
| 1' x 2' | 50 mm x 100 mm | 65 mm | 32.29% |
| 1' x 2' | 50 mm x 105 mm | 60 mm | 33.91% |
| 1' x 2' | 60 mm x 100 mm | 65 mm | 38.75% |
| 1' x 2' | 75 mm x 100 mm | 65 mm | 32.29% |



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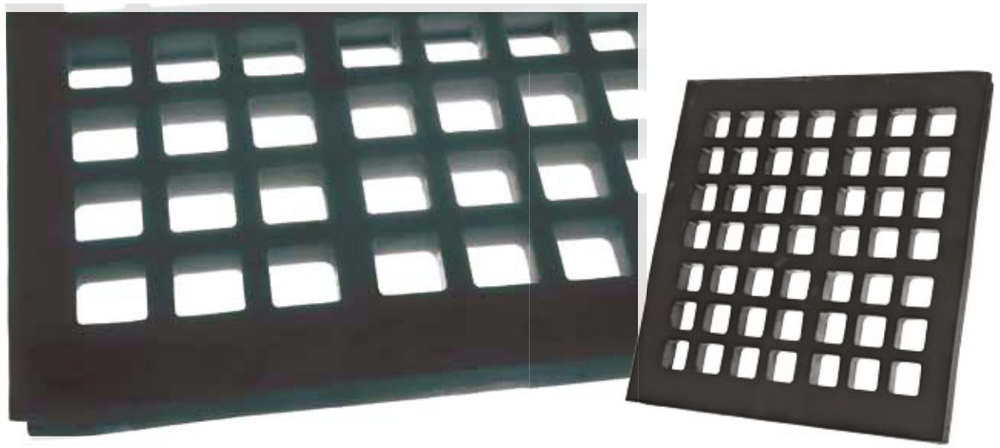
Screens • Modular Panels

# Ty-Dura TG Panels

*Ty-Dura TG panels provide an easy means to reduce maintenance costs using a tongue and groove design.*



## Features & Benefits

- Tongue and groove design eases installation.
- Modular panels are lightweight and easy to install. With only a screwdriver and hammer, a quick and safe change-out can be made.
- Various designs allow for a simplified deck set-up without an extra reconfiguring investment.

## Application

- Abrasive materials
- Ideal for high impact areas

## For the perfect fit

**Please Provide:**
**A –** Size of panel
**B –** Thickness required

## Options

### Solid Panels

Increase durability at main impact areas for increased longevity.

### Retarding Bars / Dams

Helps to maintain the flow of material across screening surface.

### Dual Durometer

In certain applications a combination of harder and softer rubber will provide better impact resistance.

## ACCESSORIES

**Side Plate Liners** | *see page 112*
**Feed Box Liners** | *see page 112*
**Discharge Lip Liners** | *see page 112*
**Spray Nozzles** | *see page 135*

| Panel Configurations | Square Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 4' | 25 mm | 45 mm | 40.80% |
| | 50 mm | 60 mm | 32.29% |
| | 75 mm | 80 mm | 30.30% |
| | 90 mm | 65 mm | 34.88% |
| | **Slotted Opening** | **Thickness** | **Open Area** |
| | 20 mm x 57 mm | 65 mm | 39.27% |
| | 25 mm x 75 mm | 45 mm | 42.38% |
| | 38 mm x 105 mm | 50 mm | 34.36% |
| | 50 mm x 100 mm | 65 mm | 32.29% |
| | 50 mm x 105 mm | 60 mm | 33.91% |
| | 60 mm x 100 mm | 65 mm | 38.75% |
| | 75 mm x 100 mm | 65 mm | 32.29% |



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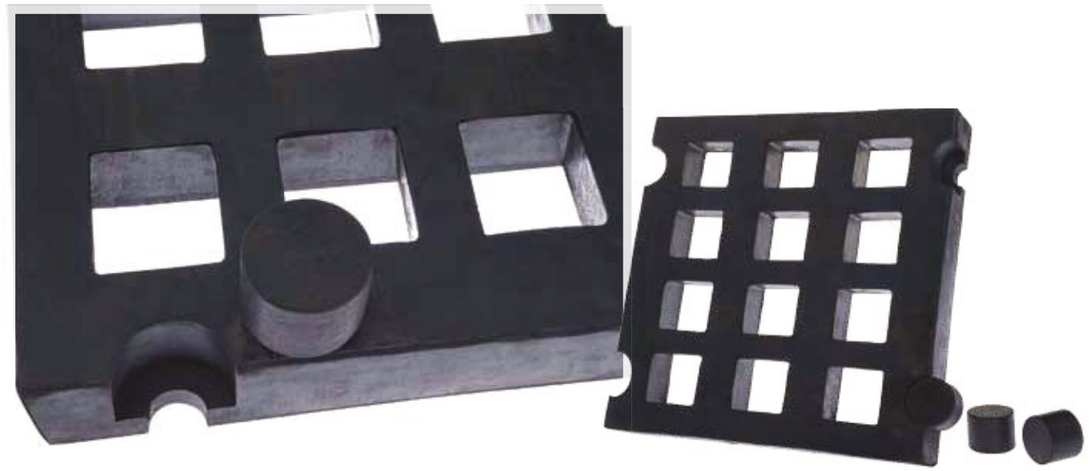
# Ty-Dura BD Panels

*Ty-Dura BD panels provide a convenient, less expensive means of updating screen media, one section at a time, using a bolt-down design.*



## Features & Benefits

- Bolt-down design eases installation.
- Modular panels feature lightweight technology making the device easy, quick and safe to install.
- Various designs are offered to suit most deck set-ups, avoiding the cost of reconfiguring a deck frame.

## Options

### Solid Panels

Increased support panels lessen the wear made on impact areas.

### Retarding Bars / Dams

To aid the flowing of material across screening surface.

### Dual Durometer

In certain applications a combination of rubber materials will provide better impact resistance.

## Application

- Abrasive materials
- Ideal for high impact areas

## For the perfect fit

**Please Provide:**

**A –** Size of panel

**B –** Thickness required

### ACCESSORIES

**Side Plate Liners** | *see page 112*

**Feed Box Liners** | *see page 112*

**Discharge Lip Liners** | *see page 112*

**Spray Nozzles** | *see page 135*

| Panel Configurations | Square Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 1' | 14 mm | 40 mm | 21.85% |
| 1' x 1' | 50 mm | 40 mm | 32.29% |
| 1' x 1' | 50 mm | 60 mm | 32.29% |
| 1' x 1' | 38 mm | 45 mm | 24.87% |
| 1' x 1' | 90 mm | 50 mm | 34.88% |
| 1' x 2' | 25 mm | 45 mm | 40.80% |
| 1' x 2' | 50 mm | 60 mm | 32.29% |
| 1' x 2' | 75 mm | 80 mm | 30.30% |
| 1' x 2' | 90 mm | 65 mm | 34.88% |

| Panel Configurations | Slotted Opening | Thickness | Open Area |
|---|---|---|---|
| 1' x 1' | 14 mm x 57 mm | 50 mm | 37.75% |
| 1' x 1' | 15 mm x 55 mm | 40 mm | 35.52% |
| 1' x 1' | 20 mm x 57 mm | 65 mm | 39.27% |
| 1' x 1' | 25 mm x 117 mm | 40 mm | 37.78% |
| 1' x 1' | 38 mm x 105 mm | 50 mm | 34.36% |
| 1' x 1' | 45 mm x 50 mm | 50 mm | 29.06% |
| 1' x 1' | 45 mm x 90 mm | 65 mm | 34.88% |
| 1' x 1' | 50 mm x 75 mm | 50 mm | 48.44% |
| 1' x 1' | 50 mm x 100 mm | 50 mm | 32.29% |
| 1' x 1' | 75 mm x 100 mm | 80 mm | 32.29% |
| 1' x 1' | 75 mm x 120 mm | 80 mm | 38.75% |
| 1' x 1' | 85 mm x 240 mm | 80 mm | 43.92% |
| 1' x 2' | 20 mm x 57 mm | 65 mm | 39.27% |
| 1' x 2' | 25 mm x 75 mm | 45 mm | 42.38% |
| 1' x 2' | 38 mm x 105 mm | 50 mm | 34.36% |
| 1' x 2' | 50 mm x 100 mm | 65 mm | 32.29% |
| 1' x 2' | 50 mm x 105 mm | 60 mm | 33.91% |
| 1' x 2' | 60 mm x 100 mm | 65 mm | 38.75% |
| 1' x 2' | 75 mm x 100 mm | 65 mm | 32.29% |



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# Grizzly Bars

*Grizzly Bars are usually located in the primary screen and used in heavy duty applications to remove unwanted materials. Grizzly Bars are manufactured using two of the most common steel types: cast manganese and alloyed steel.*

## Features & Benefits

- Manufactured using a high intensity molding process, Grizzly Bars are resistant to crack propagation and are built to endure a longer life.
- Cast products feature a taper to the panel.
- Provides self-cleaning properties for increased screening capacity.
- Step decks promote an easy tumbling motion of material to ensure an efficient rate of flow.

## For the perfect fit

**Please Provide:**

**A –** Width - Measurement between side plates of vibrating screens

## Application

- Separate unwanted materials before processing
- Scalping
- High tonnage

| Openings |
|---|
| 50.8 mm to 203.2 mm (2" to 8") |

*Inquire on available configurations.*

# Finger Decks

*Finger Decks offer self-cleaning action. They are the ideal solution for wet, sticky and scalping applications.*

## Features & Benefits

- Independently vibrating "fingers" and tapered openings create the ultimate self-cleaning action.
- Manufactured with a polyurethane coating, providing greater wear life than traditional finger decks.
- Unique panel construction is built to reduce blinding and pegging.

## For the perfect fit

**Please Provide:**

**A –** Width - Measurement between side plates of vibrating screens

## Application

- Scalping
- Wet or sticky materials

| Openings | Rod Diameter |
|---|---|
| 6 mm | 4 mm |

*Inquire on available configurations.*

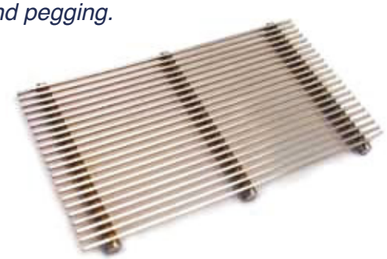






# Profile Wire

*Profile Wire, commonly known as Wedge Wire, allows for a level of precision and efficiency not found in other screening systems. The wedge shape of the Profile Wire provides an increasingly large opening for material to flow between the wires. This design enhances efficiency by substantially reducing blinding and pegging.*



## Features & Benefits

- Large open slots increase screening efficiency. Cast products feature a taper to the panel.
- Unique construction allows for precision sizing as well as a reduction of blinding.

## Application

- For applications where sizing accuracy is critical
- Ideal for reducing blinding and pegging

## Options

**93IG T304 Stainless Steel**

Durable steel provides a longer wear life.

## For the perfect fit

**Please Provide:**

**A –** Opening
**B –** Shape of wire
**C -** Type of construction
**D -** Size of panels

| Type | Panel Construction |
|---|---|
| Tri-Wire | Welded on frame |
| ISO-Wire | Curved - Sieve Bends |
| ISO-Grizzly Wire | Looped wire construction |
| Grizzly Wire | |

*Various opening and wire combinations available upon request.*

# Pre-Tensioned Frames

*Pre-Tensioned Frames are utilized for fine particle separation in dry and wet screening. Optimum tension of screens is essential for both the service life and the capacity of the machine.*

## Features & Benefits

- Consistent separation of material provides accurate cut points and increased open area.
- Longer screen life enables less equipment maintenance and reduced operating costs.
- Quality construction ensures for less ripping and separation of wire cloth.

## Application

- For applications where sizing accuracy is critical
- Dry or wet screening

## Options

**Ty-Ger Wire**

Contains high tensile spring steel for durability.

## For the perfect fit

**Please Provide:**

**A –** Opening - Mesh count
**B –** Diameter of ring - 24" diameter up to 72" diameter
**C -** With or without center hole and size

*Please see pages 70-71 for specification charts.*

# Pre-Tensioned Frames



| Tensile Bolting Cloth | | | |
|---|---|---|---|
| Mesh | Opening | Wire Diameter | Open Area |
| 14 | .0620" | .0090" | 76.4% |
| 16 | .0535" | .0090" | 73.3% |
| 18 | .0466" | .0090" | 70.2% |
| 20 | .0410" | .0090" | 67.2% |
| 22 | .0380" | .0075" | 69.7% |
| 24 | .0342" | .0075" | 67.2% |
| 26 | .0310" | .0075" | 64.8% |
| 28 | .0282" | .0075" | 62.4% |
| 30 | .0268" | .0065" | 64.8% |
| 32 | .0248" | .0065" | 62.7% |
| 34 | .0229" | .0065" | 60.7% |
| 36 | .0213" | .0065" | 58.7% |
| 38 | .0198" | .0065" | 56.7% |
| 40 | .0185" | .0065" | 54.8% |
| 42 | .0183" | .0055" | 59.1% |
| 44 | .0172" | .0055" | 57.4% |
| 46 | .0162" | .0055" | 55.8% |
| 48 | .0153" | .0055" | 54.2% |
| 50 | .0145" | .0055" | 52.6% |
| 52 | .0137" | .0055" | 51.0% |
| 54 | .1300" | .0055" | 49.4% |
| 58 | .0127" | .0045" | 54.6% |
| 60 | .0122" | .0045" | 53.3% |
| 62 | .0116" | .0045" | 51.7% |
| 64 | .0111" | .0045" | 50.7% |
| 70 | .0106" | .0037" | 54.9% |
| 72 | .0102" | .0037" | 53.8% |
| 74 | .0098" | .0037" | 52.7% |
| 76 | .0095" | .0037" | 51.7% |
| 78 | .0091" | .0037" | 50.6% |
| 80 | .0088" | .0037" | 49.6% |
| 84 | .0084" | .0035" | 49.8% |
| 88 | .0079" | .0035" | 47.9% |
| 90 | .0076" | .0035" | 47.8% |
| 94 | .0071" | .0035" | 45.0% |
| 105 | .0065" | .0030" | 46.9% |
| 120 | .0058" | .0025" | 47.3% |
| 145 | .0047" | .0022" | 46.4% |
| 165 | .0042" | .0019" | 47.1% |
| 200 | .0034" | .0016" | 46.2% |
| 230 | .0029" | .0014" | 46.0% |
| 300 | .0022" | .0012" | 42.0% |

| Market Grade | | | |
|---|---|---|---|
| Mesh | Opening | Wire Diameter | Open Area |
| 2 | .4370" | .0630" | 76.4% |
| 3 | .2790" | .0540" | 70.1% |
| 4 | .2023" | .0475" | 65.9% |
| 4 | .1870" | .0630" | 56.0% |
| 5 | .1590" | .0410" | 63.2% |
| 6 | .1318" | .0348" | 62.7% |
| 7 | .1080" | .0350" | 57.2% |
| 9 | .0964" | .0286" | 60.2% |
| 10 | .0742" | .0258" | 56.3% |
| 11 | .0730" | .0180" | 64.5% |
| 12 | .0603" | .0230" | 51.8% |
| 14 | .0510" | .0204" | 51.0% |
| 16 | .0445" | .0181" | 50.7% |
| 18 | .0386" | .0173" | 48.3% |
| 20 | .0340" | .0162" | 46.2% |
| 24 | .0277" | .0140" | 44.2% |
| 30 | .0203" | .0128" | 37.1% |
| 35 | .0176" | .0118" | 37.9% |
| 40 | .0150" | .0104" | 36.0% |
| 50 | .0110" | .0090" | 30.3% |
| 60 | .0092" | .0075" | 30.5% |
| 80 | .0070" | .0055" | 31.4% |
| 100 | .0055" | .0045" | 30.3% |
| 120 | .0046" | .0037" | 30.5% |
| 150 | .0041" | .0026" | 37.9% |
| 170 | .0035" | .0024" | 35.4% |
| 200 | .0029" | .0021" | 33.6% |
| 250 | .0024" | .0016" | 36.0% |
| 270 | .0021" | .0016" | 32.0% |
| 325 | .0017" | .0014" | 30.5% |
| 400 | .0015" | .0010" | 36.0% |
| 500 | .0010" | .0010" | 25.0% |
| 635 | .0008" | .0008" | 25.0% |

# COMPONENTS



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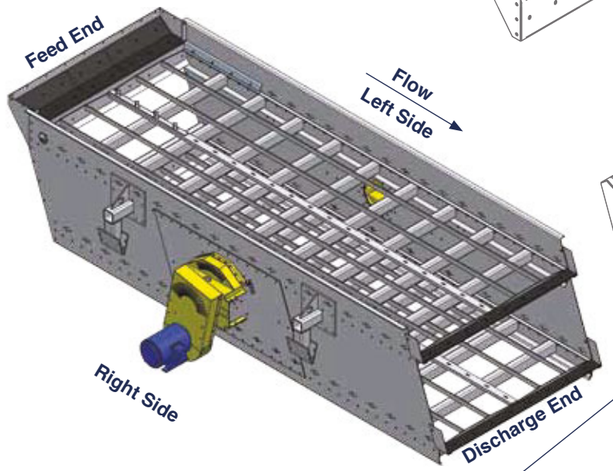
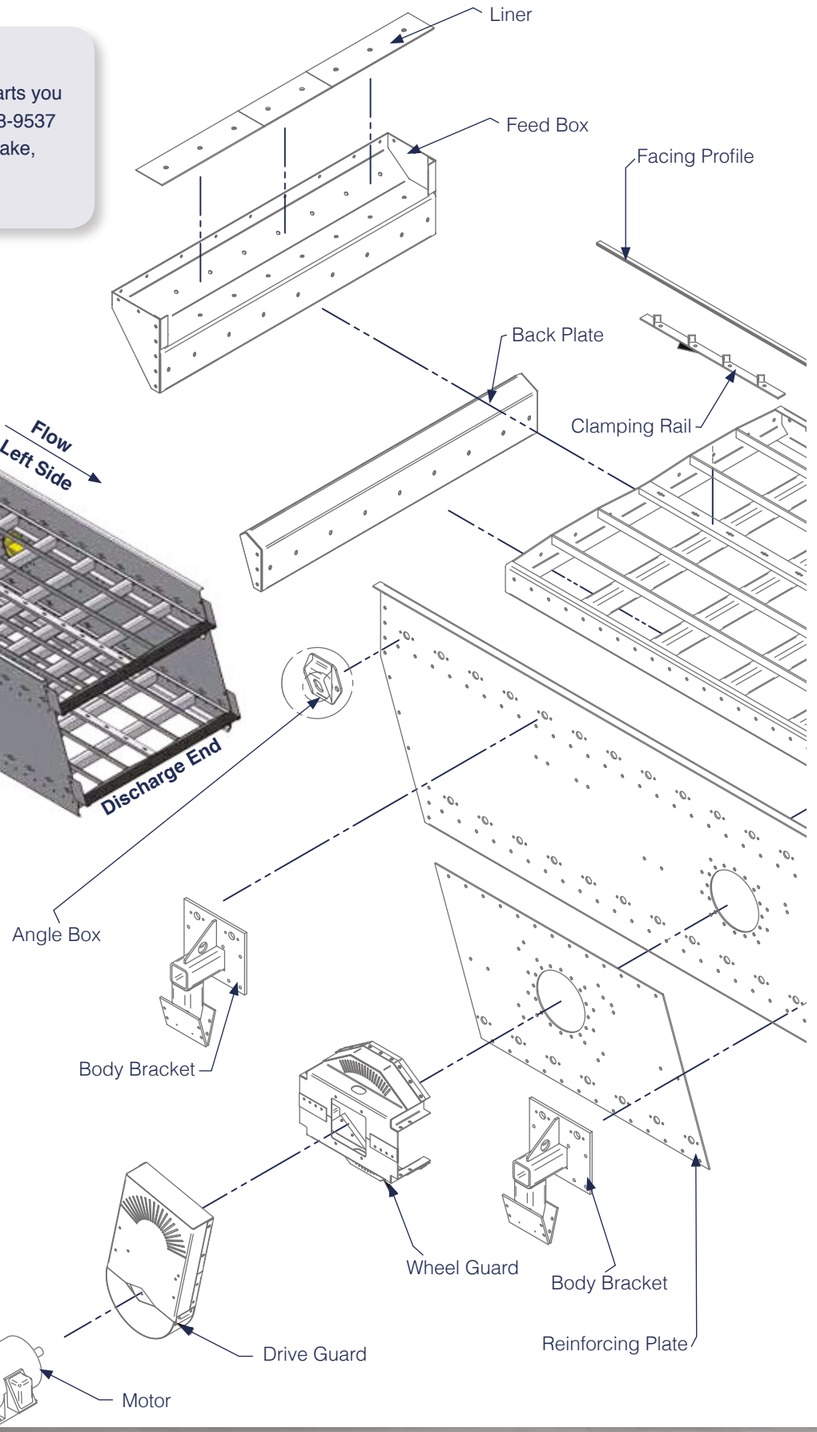
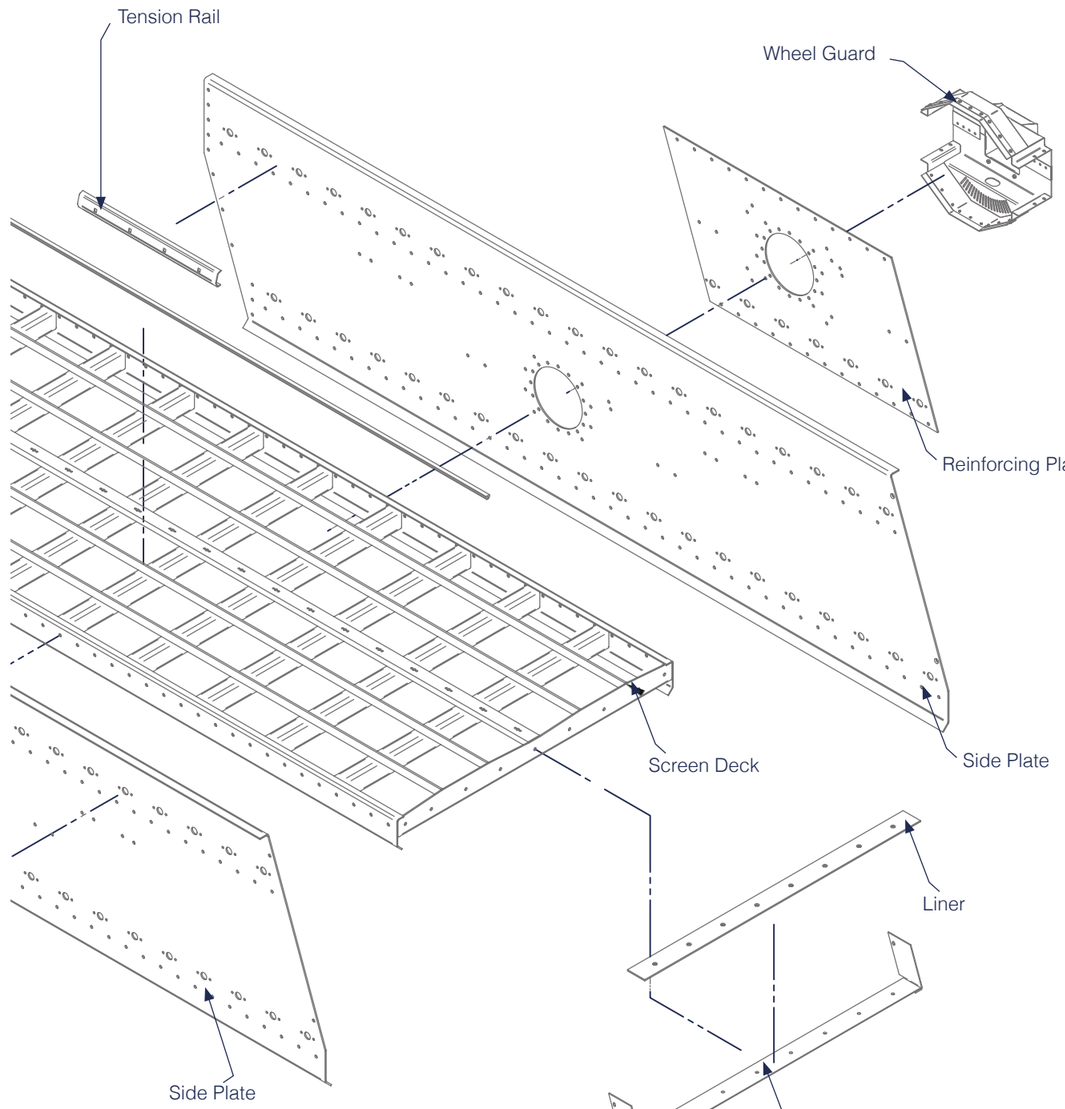
# F-Class / Ty-Rock Body Components

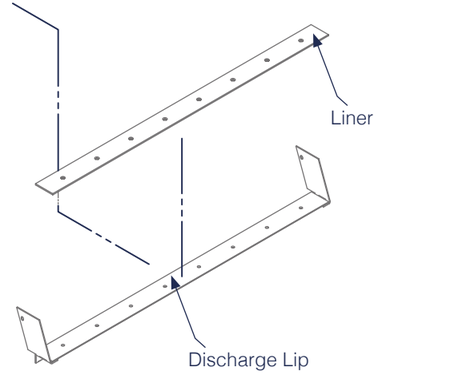
**HOW DO I ORDER?**

Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.





Components • Parts

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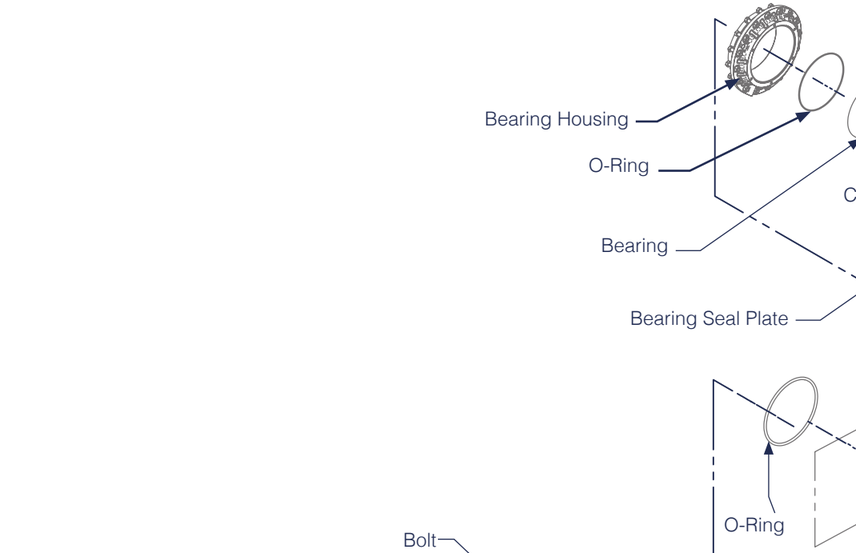
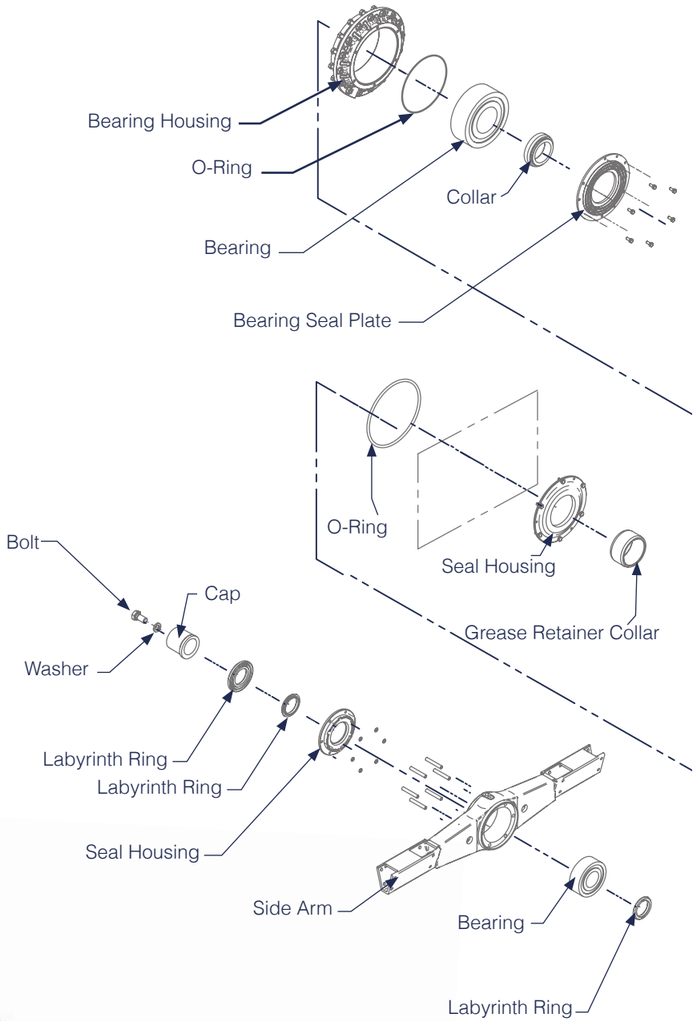
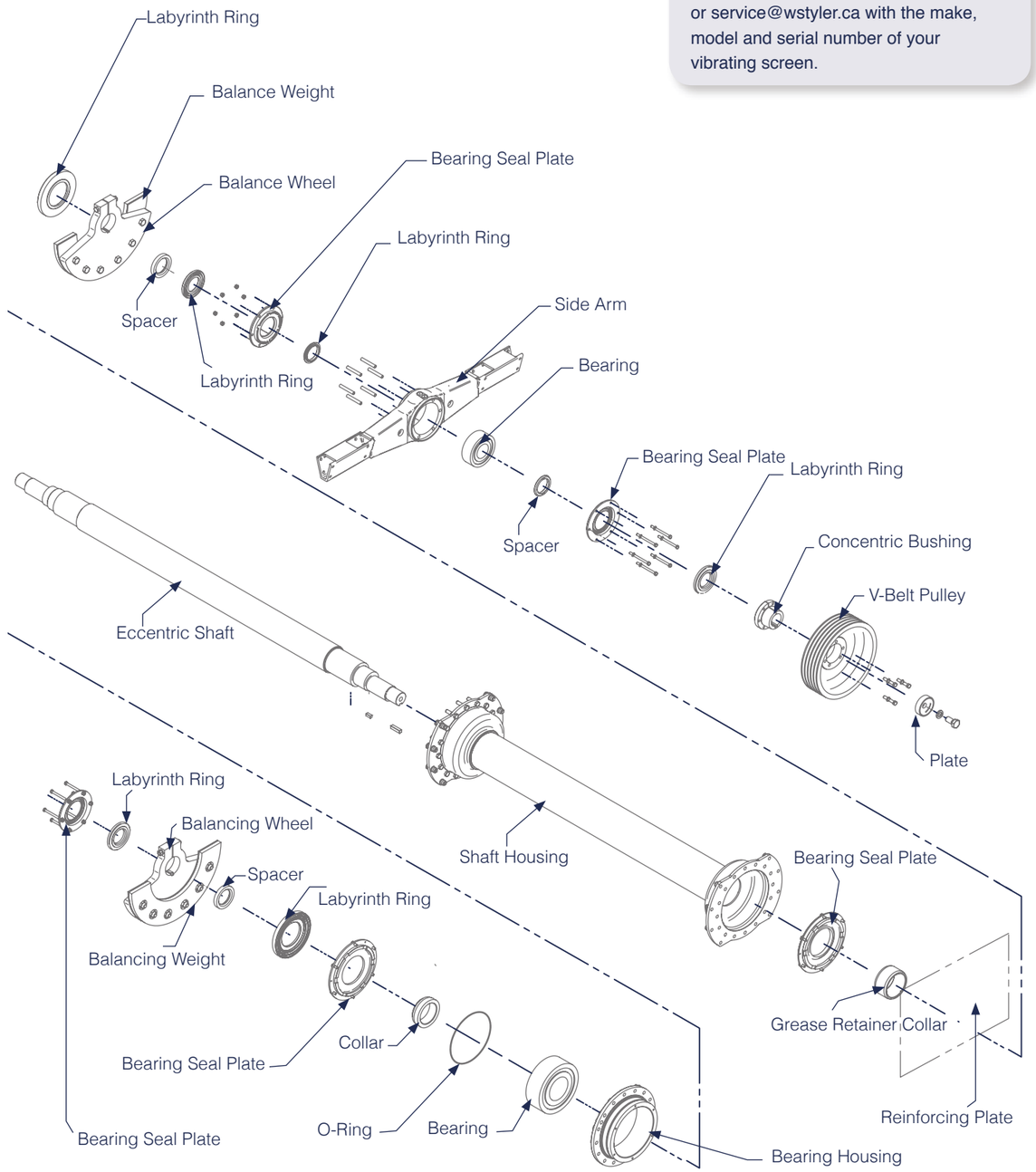
# F-Class / Ty-Rock Shaft Components






**HOW DO I ORDER?**

Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.


Components • Parts

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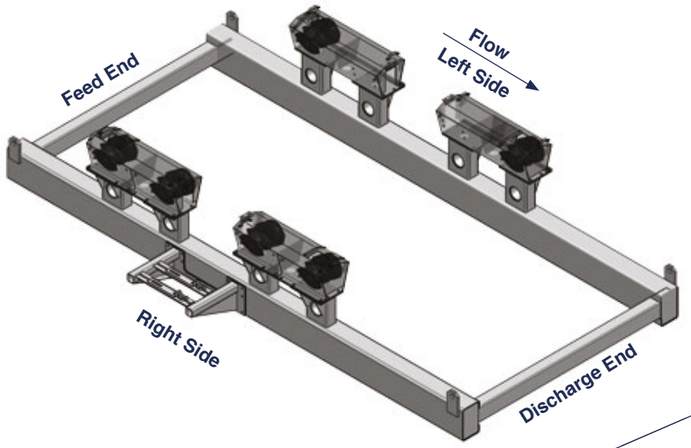
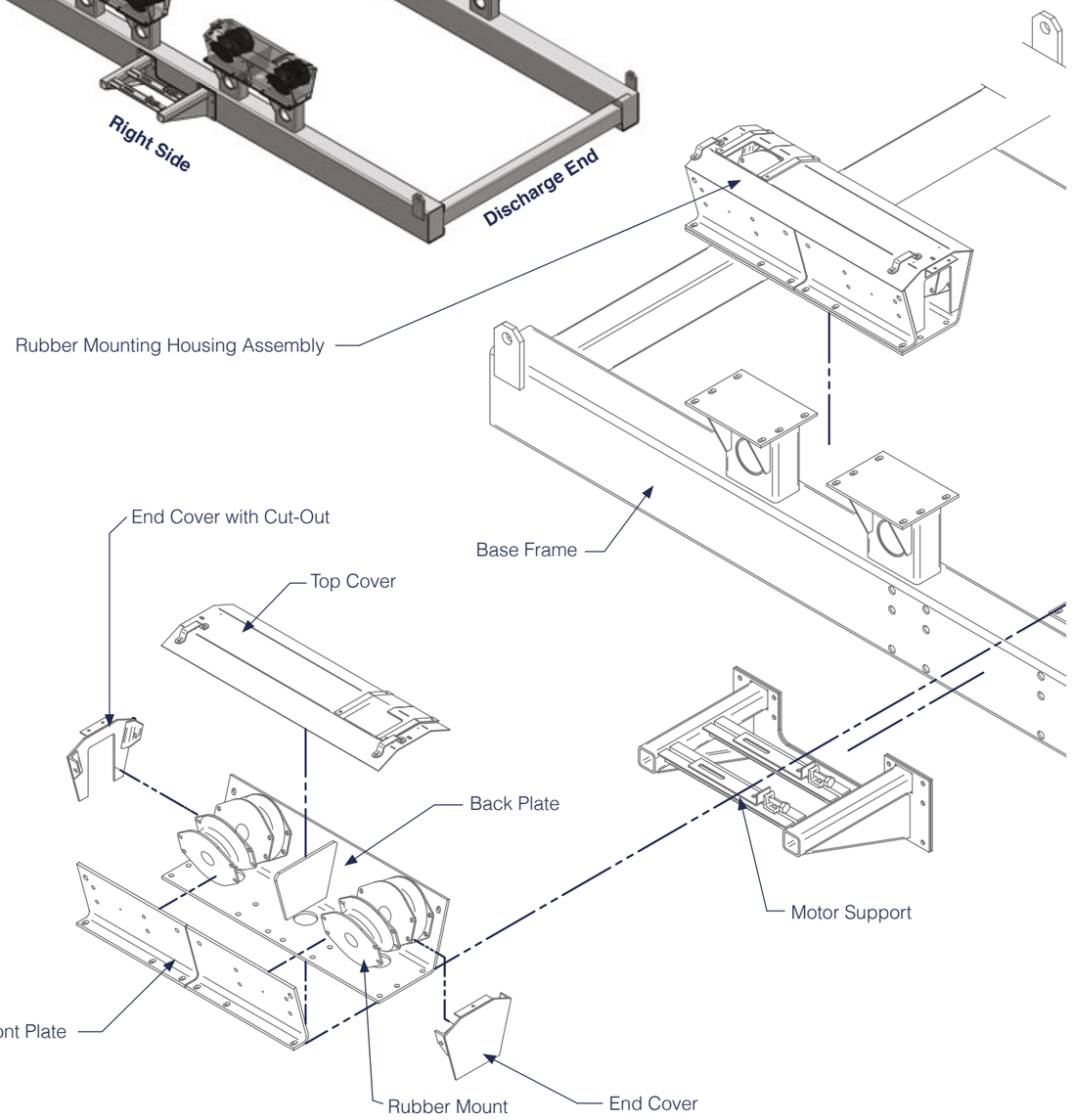
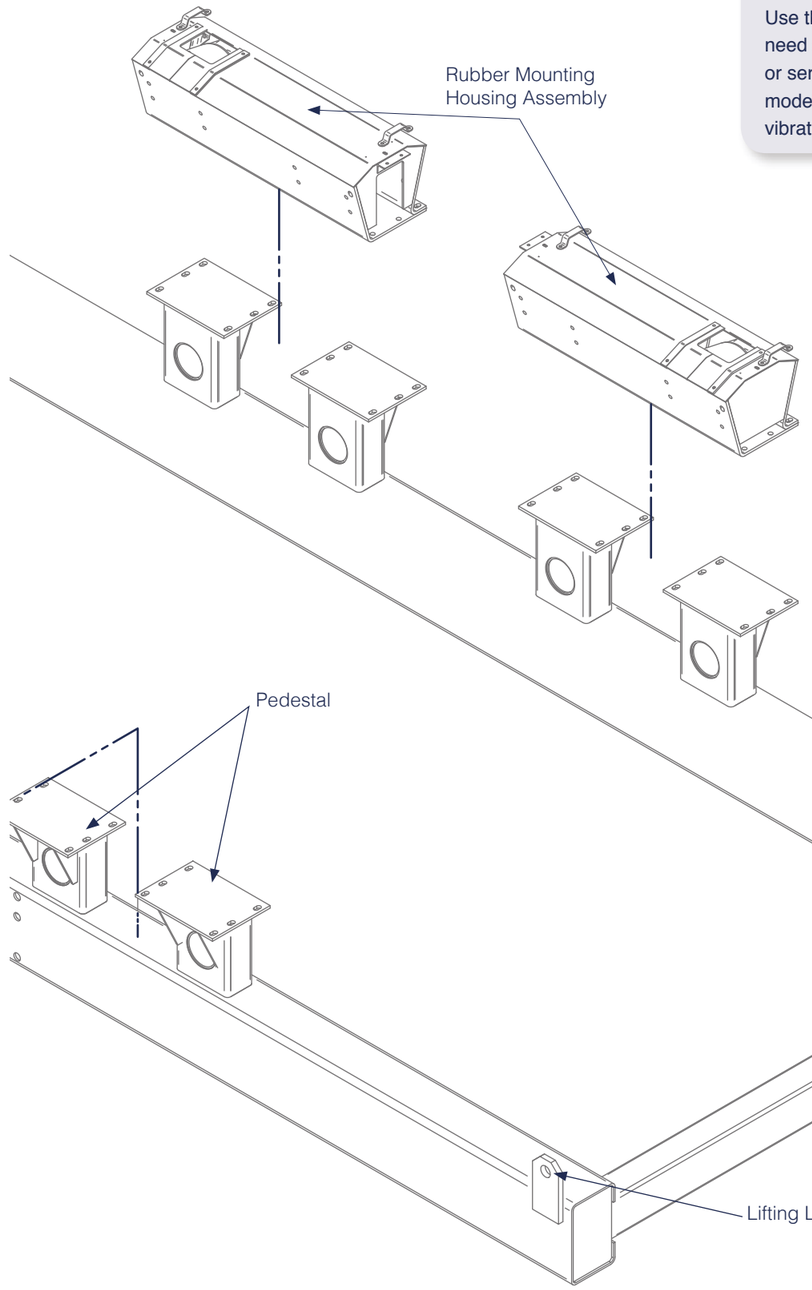
# F-Class / Ty-Rock Mounting Components




**HOW DO I ORDER?**

Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.



Components • Parts

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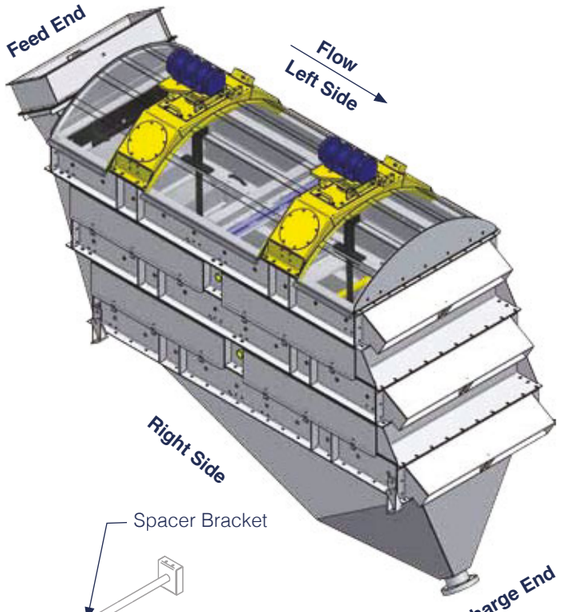
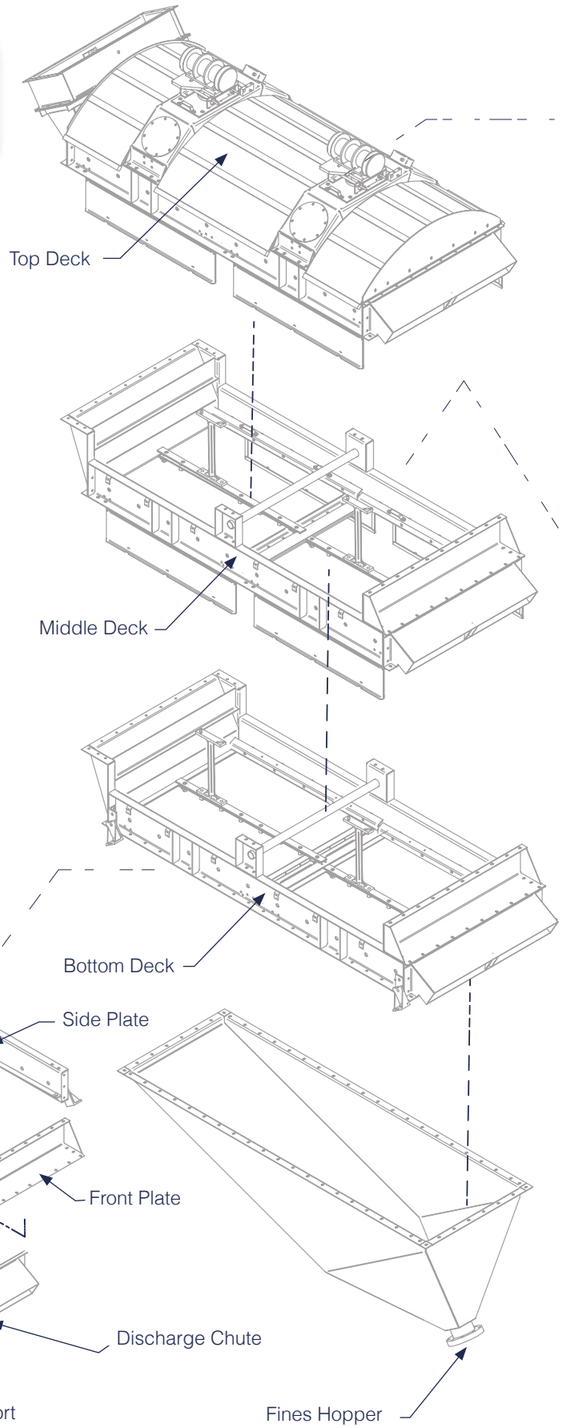
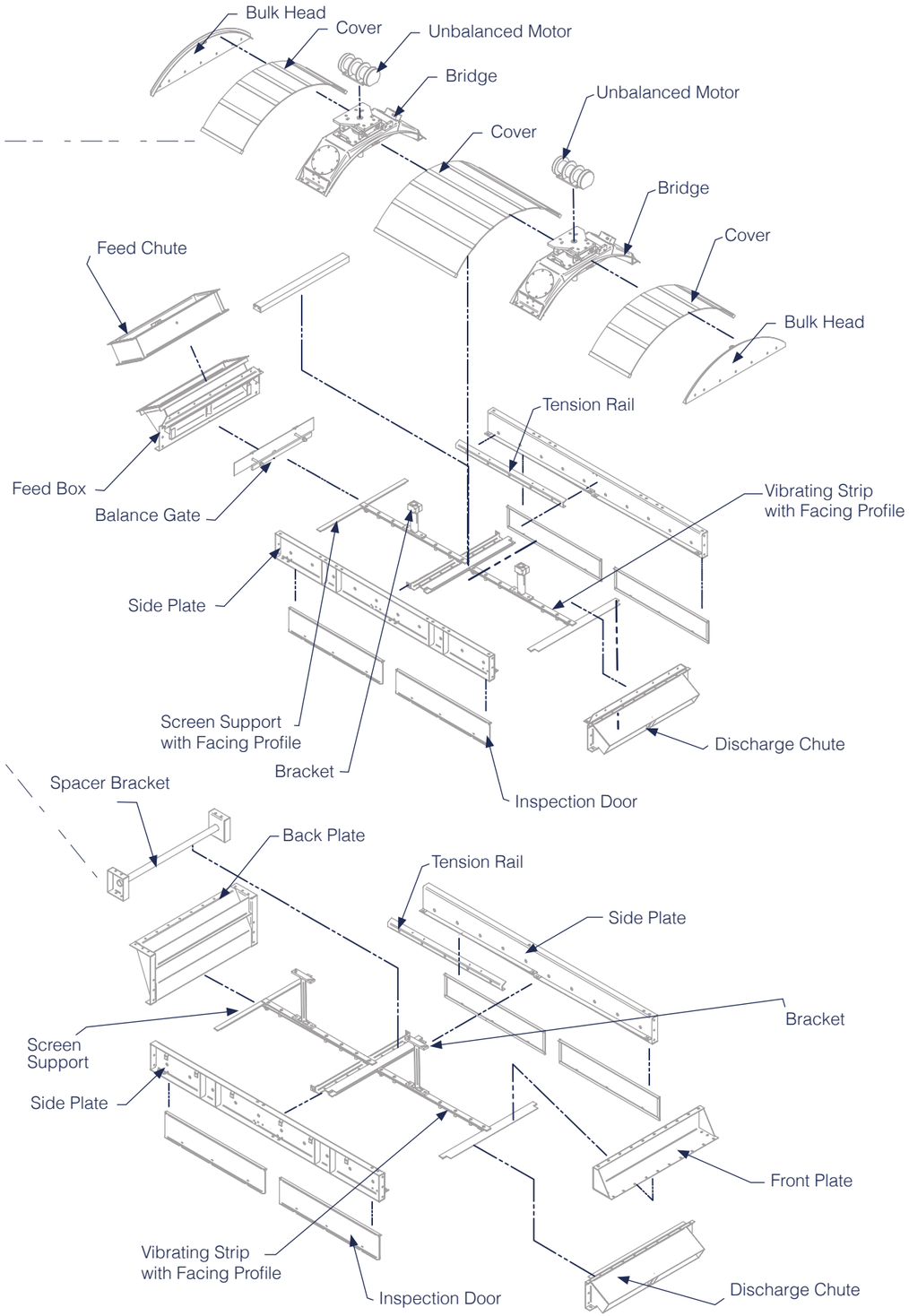
# H-Class / Hummer Body Components

**HOW DO I ORDER?**

Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.





Components • Parts

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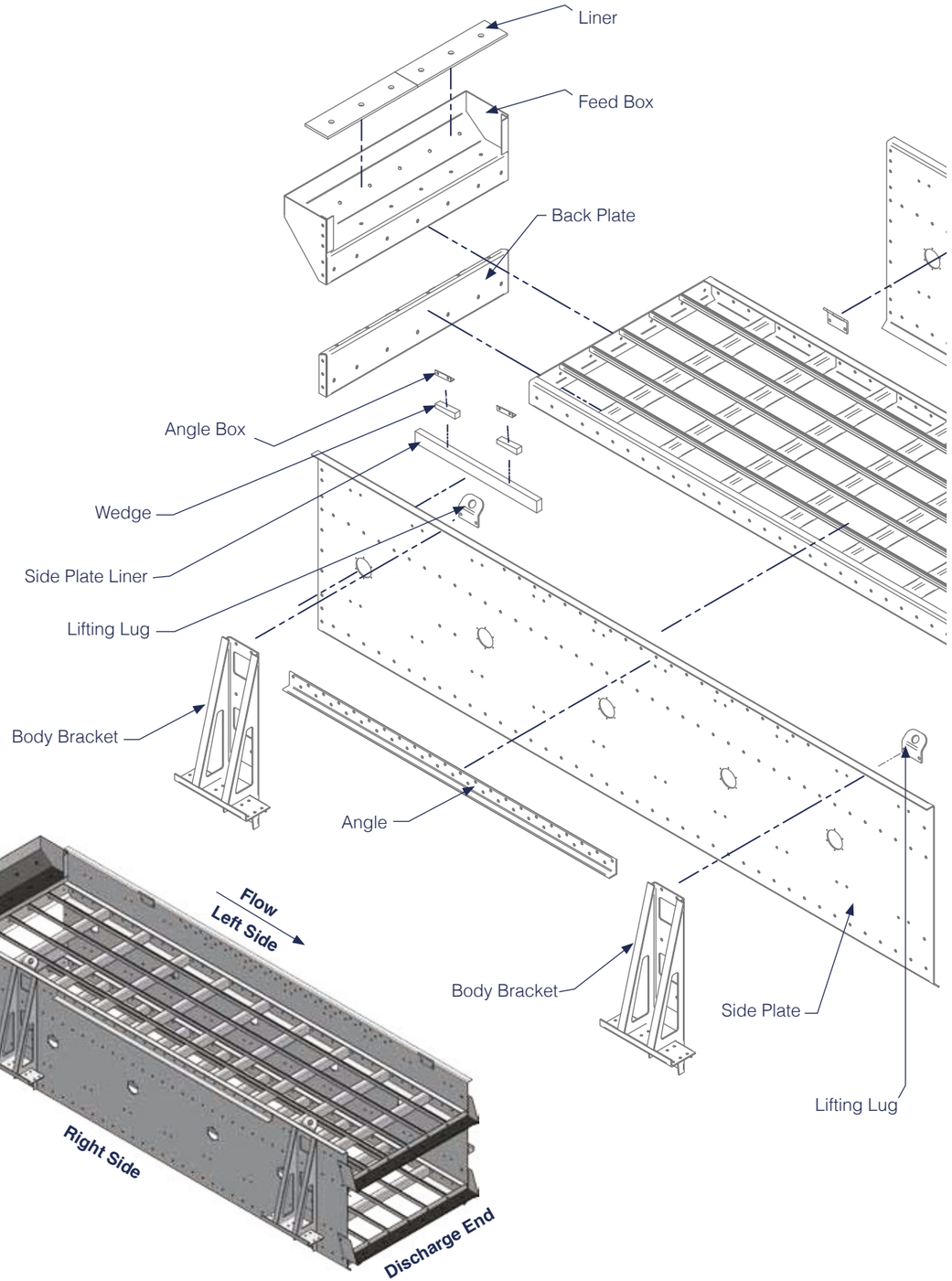
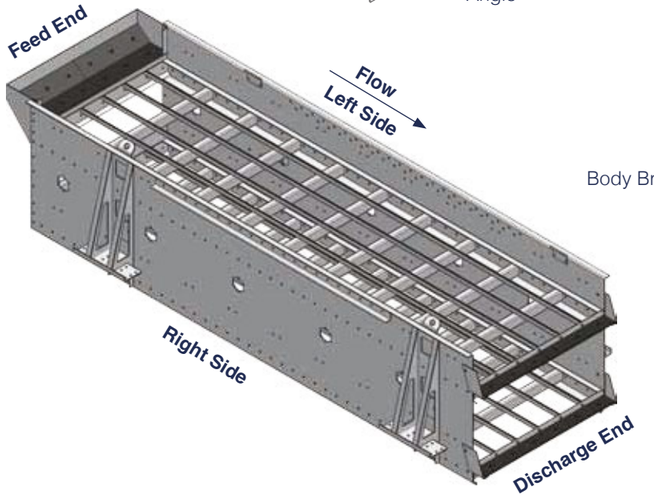
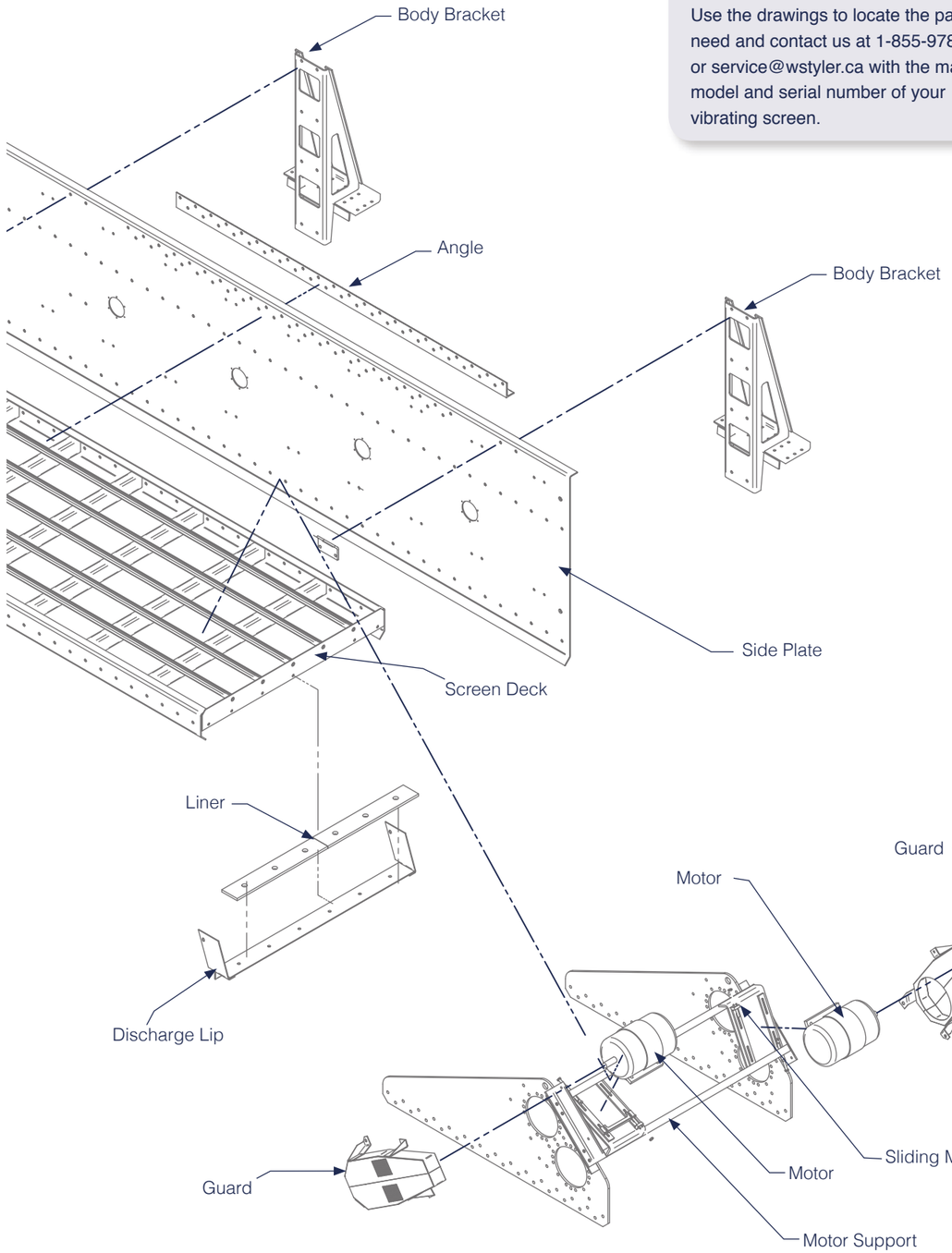
# L-Class / Ty-Level Body Components




**HOW DO I ORDER?**

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Components • Parts

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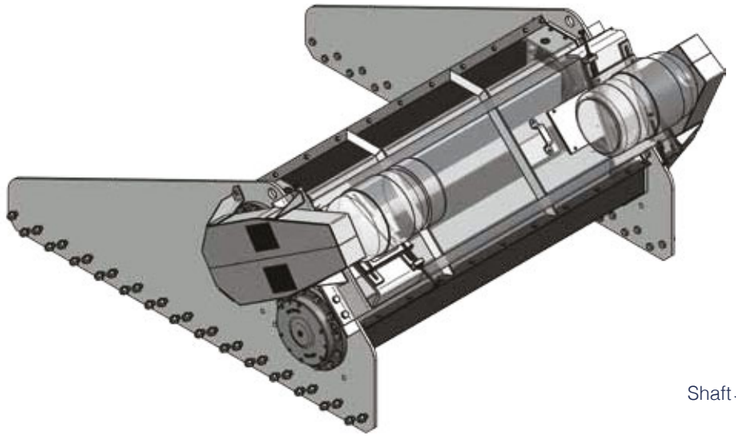
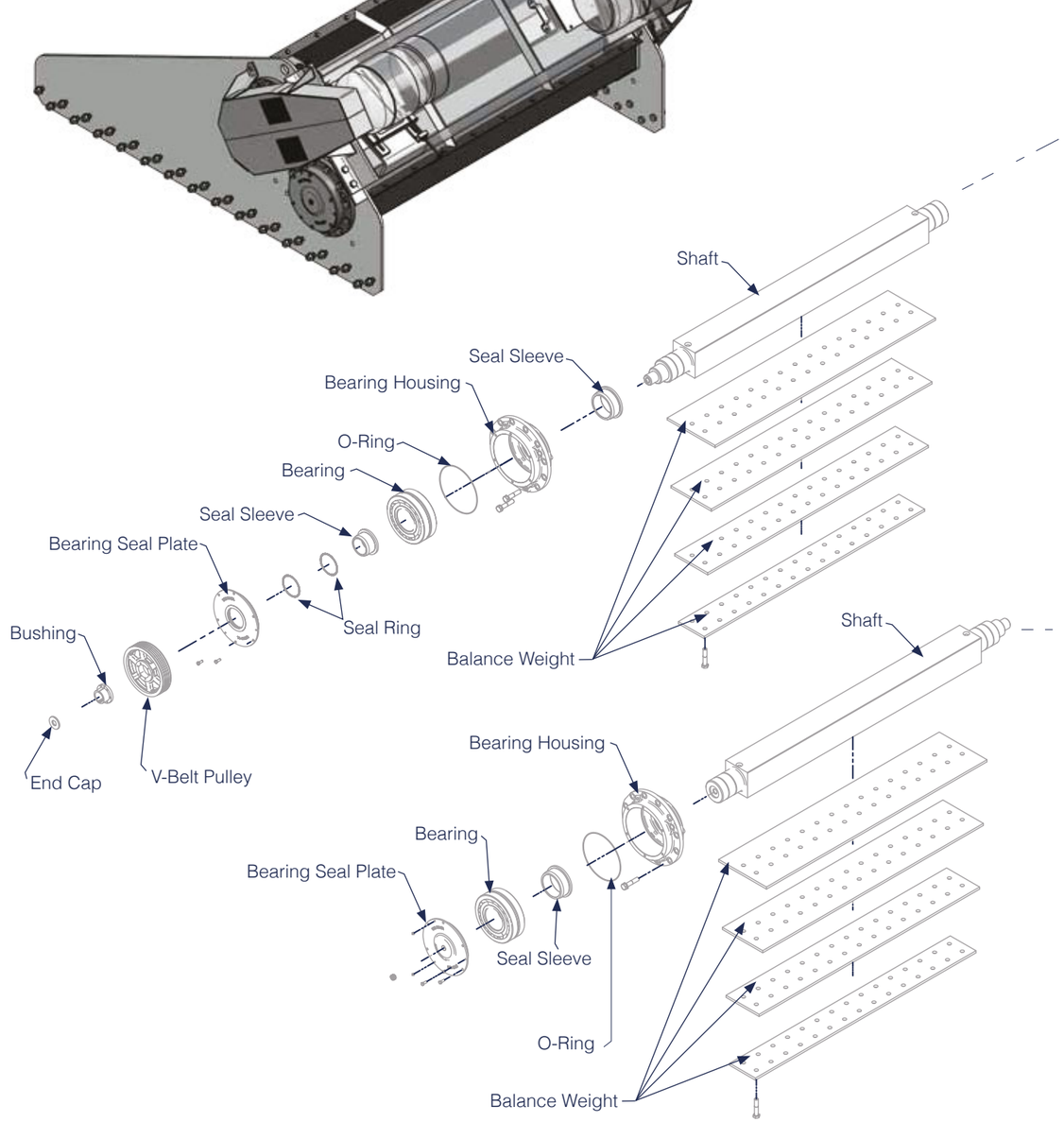
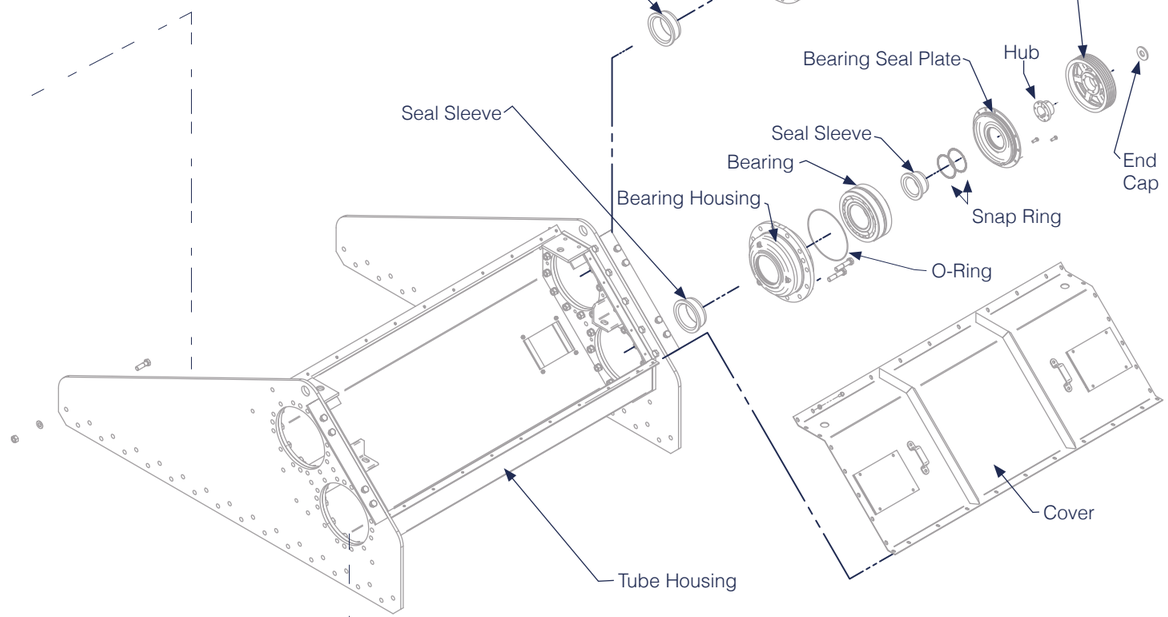
# L-Class / Ty-Level Shaft Components



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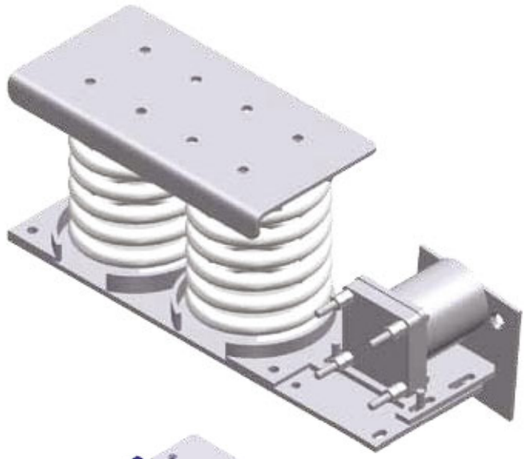
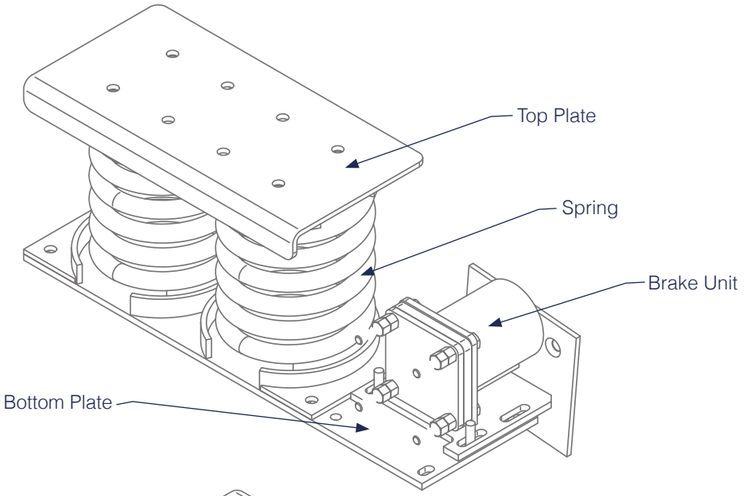
# L-Class / Ty-Level Mounting Components

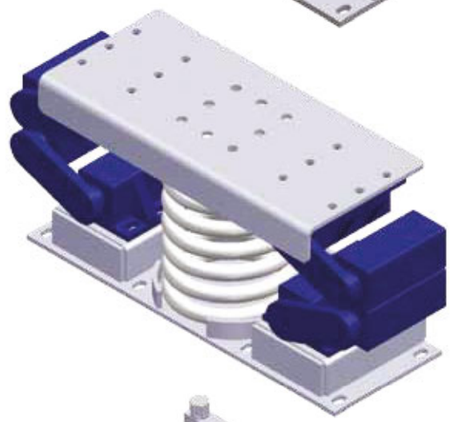


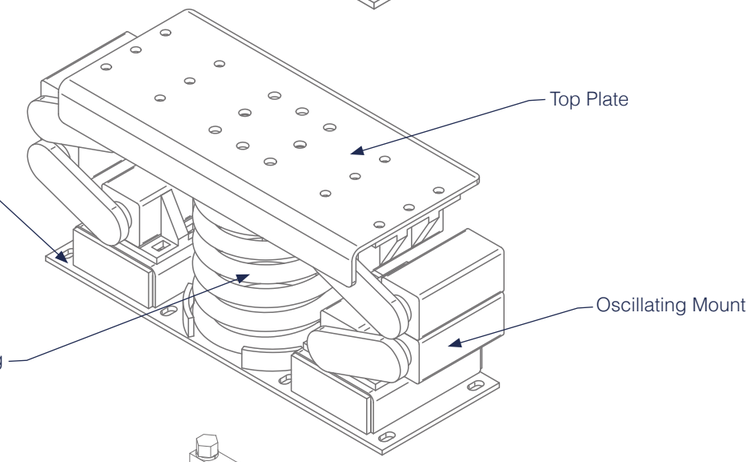
**SPRING MOUNT**



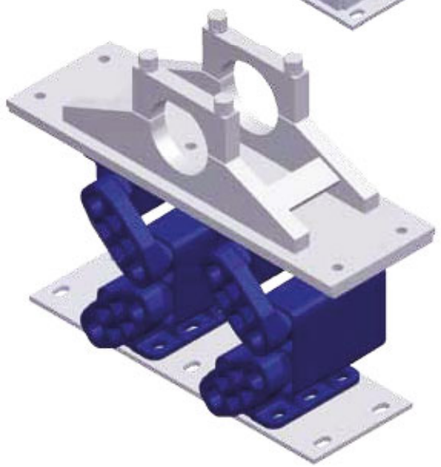


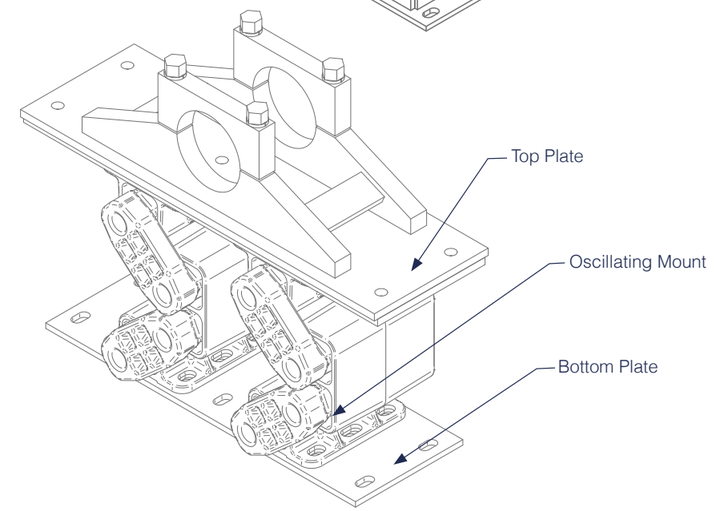

**COMBINATION SPRING OSCILLATING MOUNT**






**OSCILLATING MOUNT**



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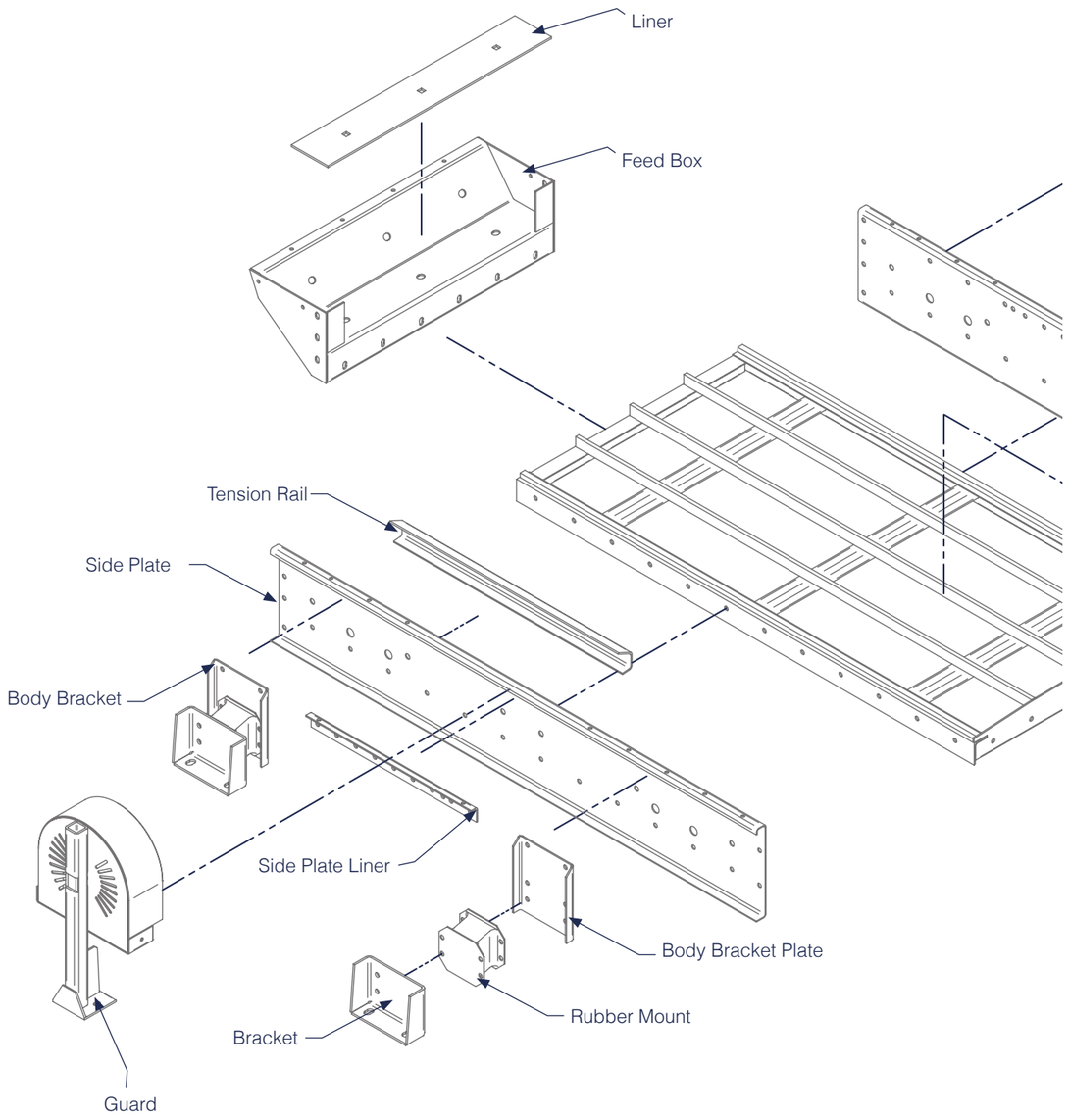
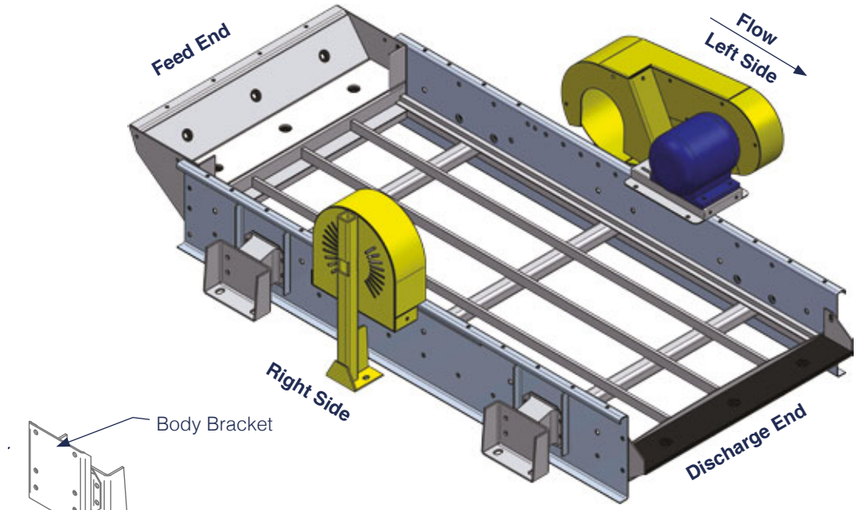
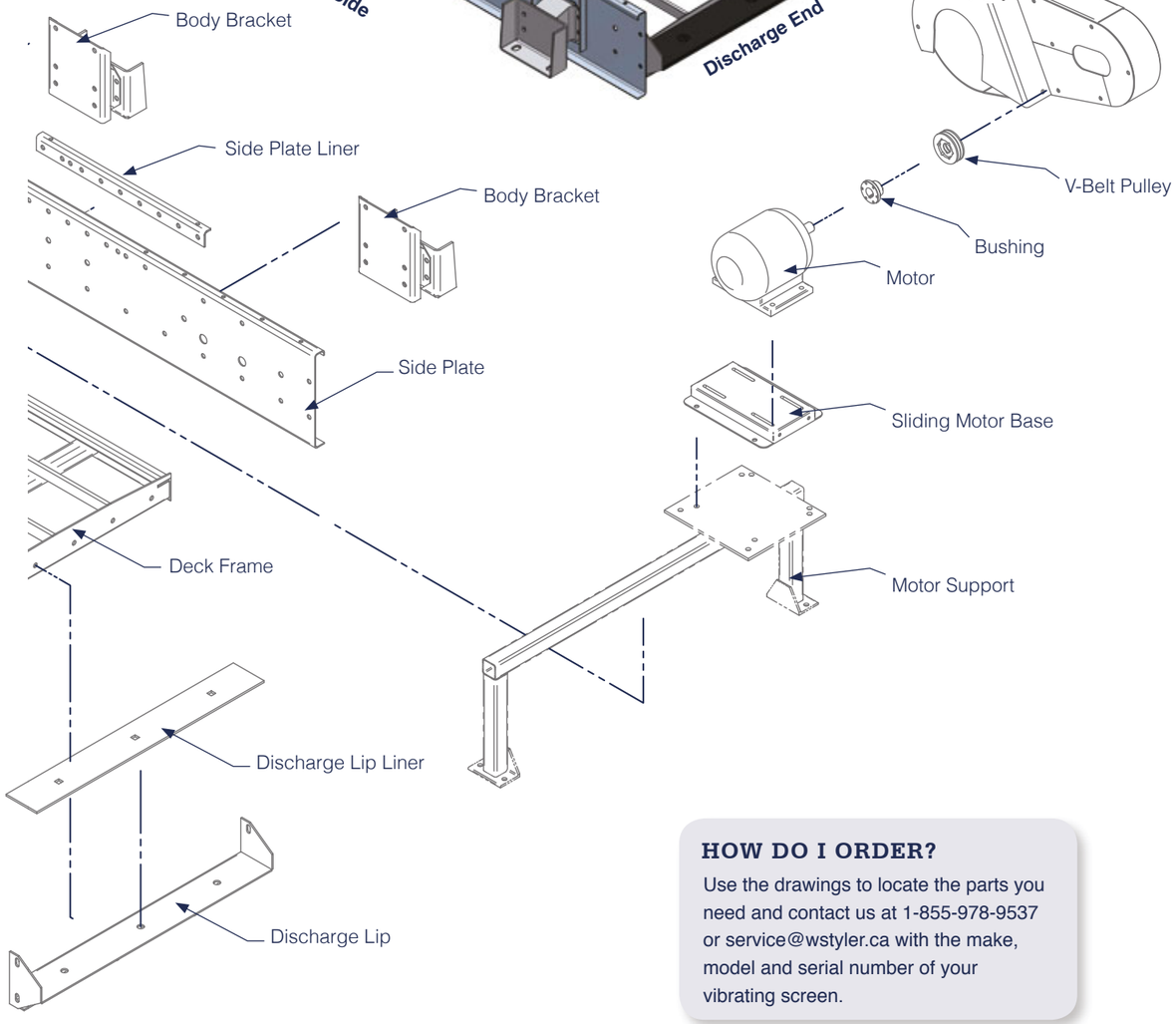
# S-Class / Ty-Speed Body Components

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Components • Parts

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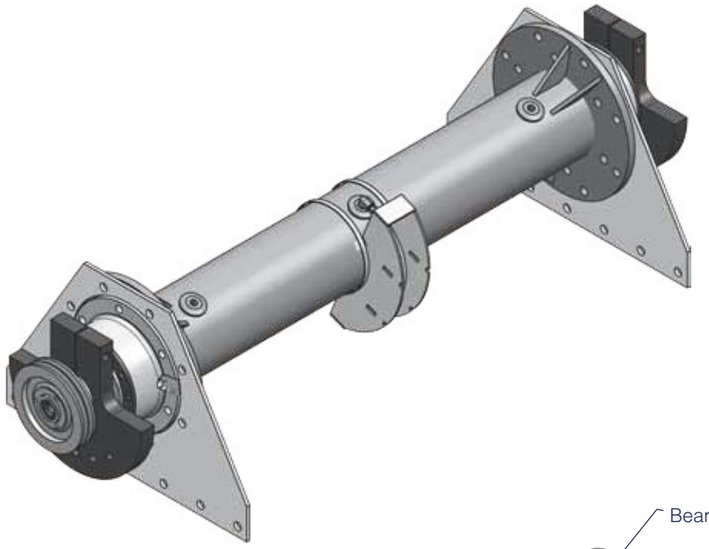
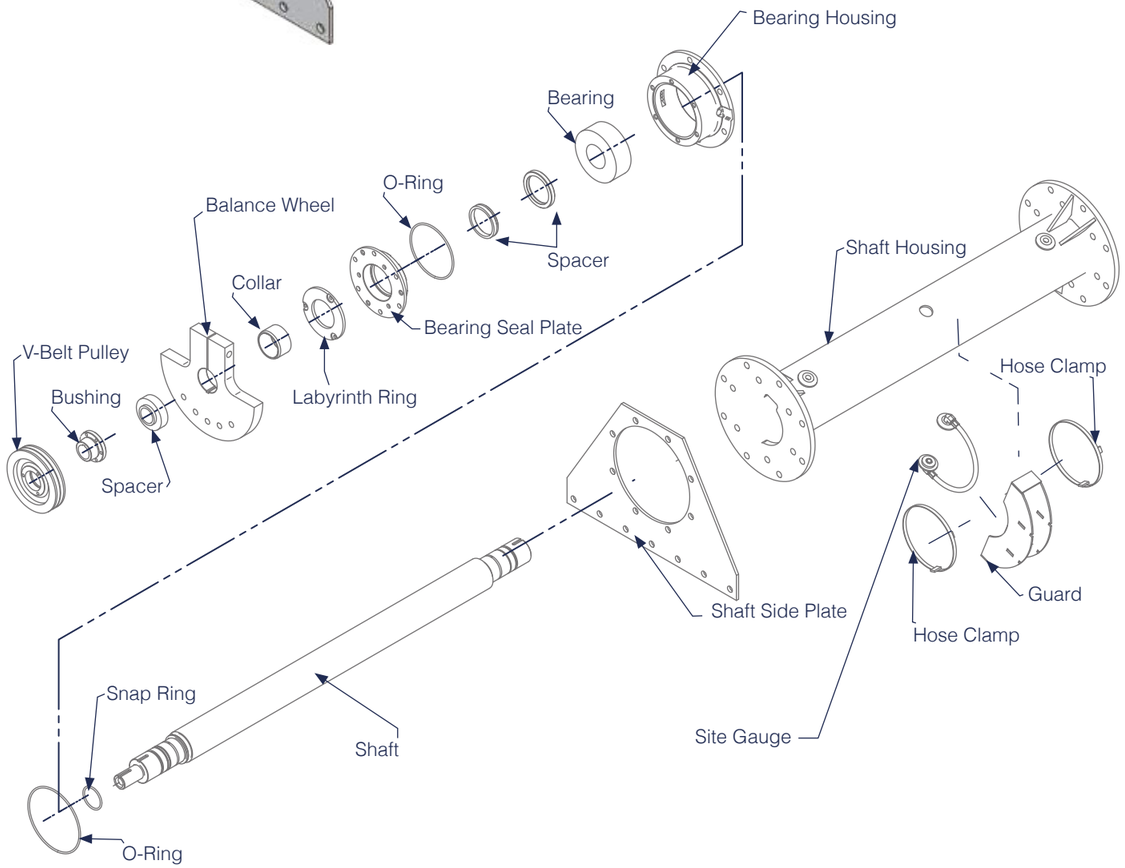
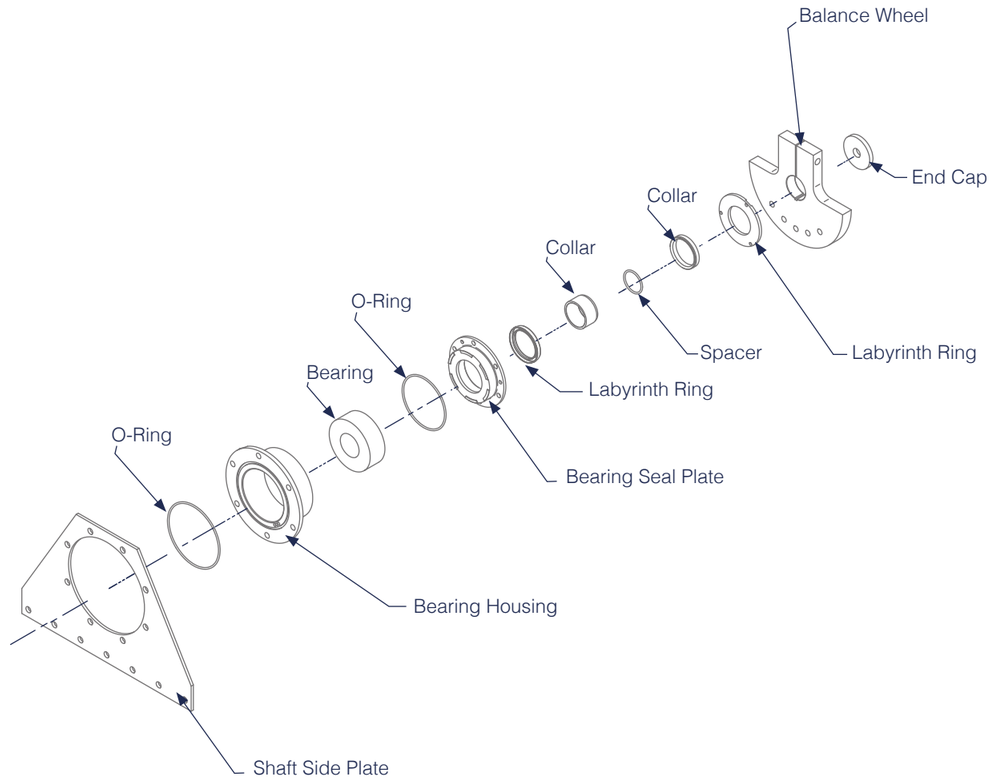
# S-Class / Ty-Speed Shaft Components



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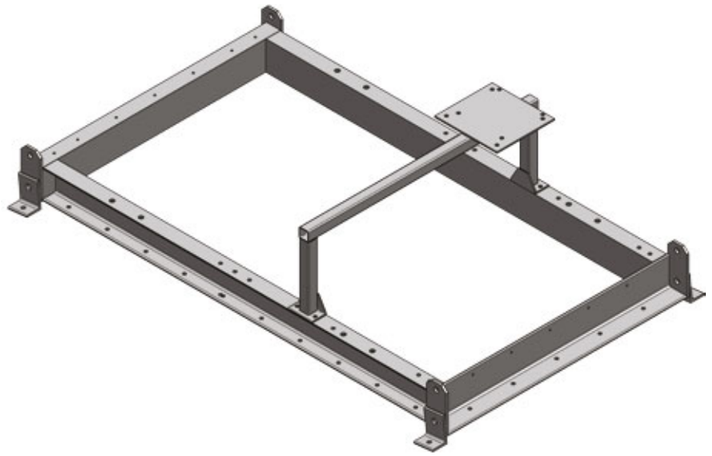
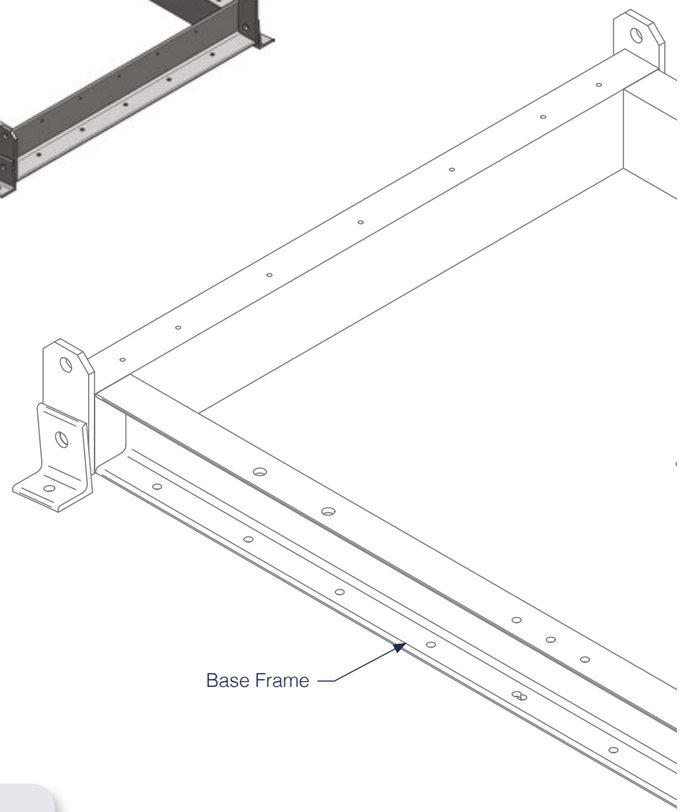
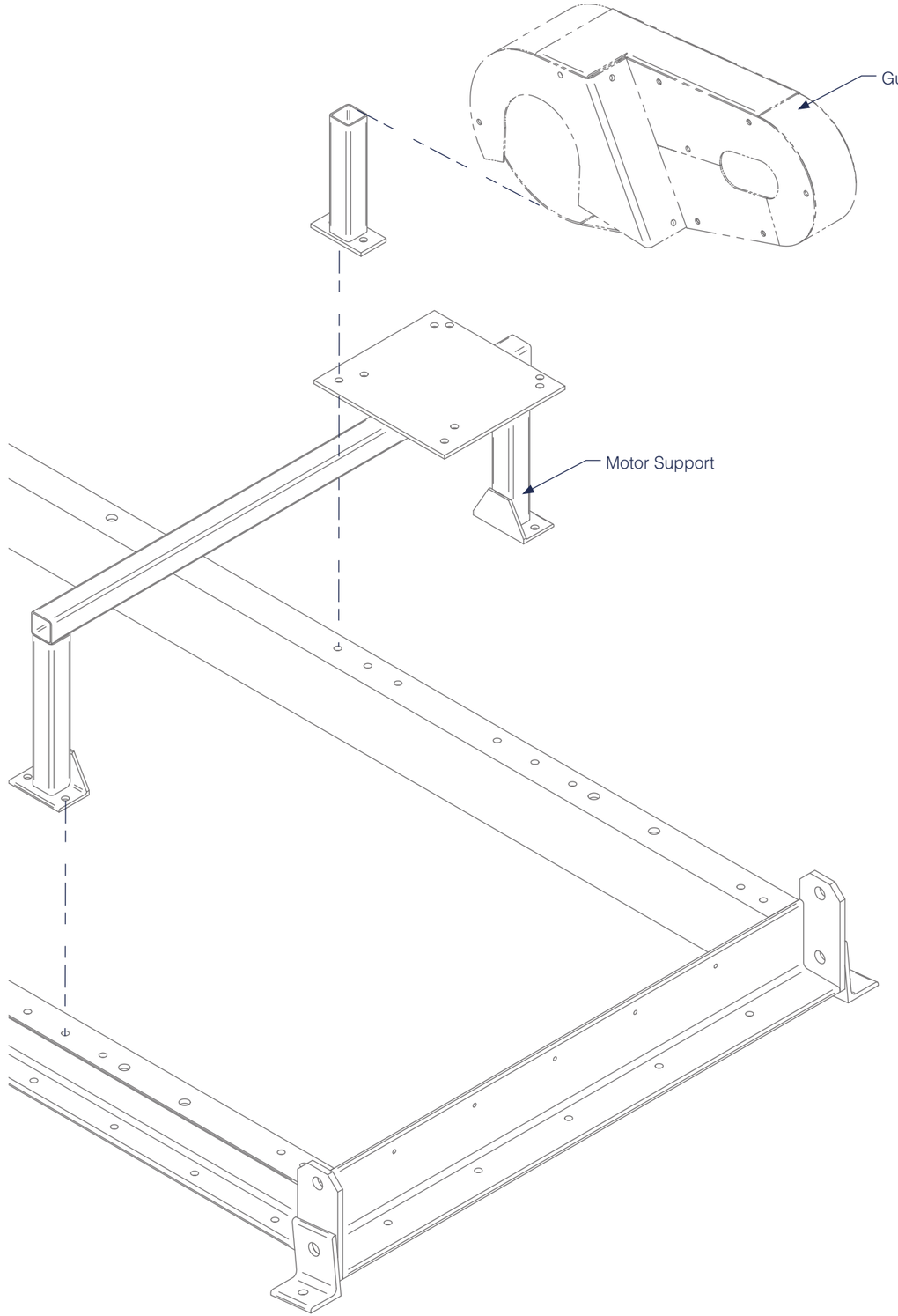
# S-Class / Ty-Speed Mounting Components



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Components • Parts

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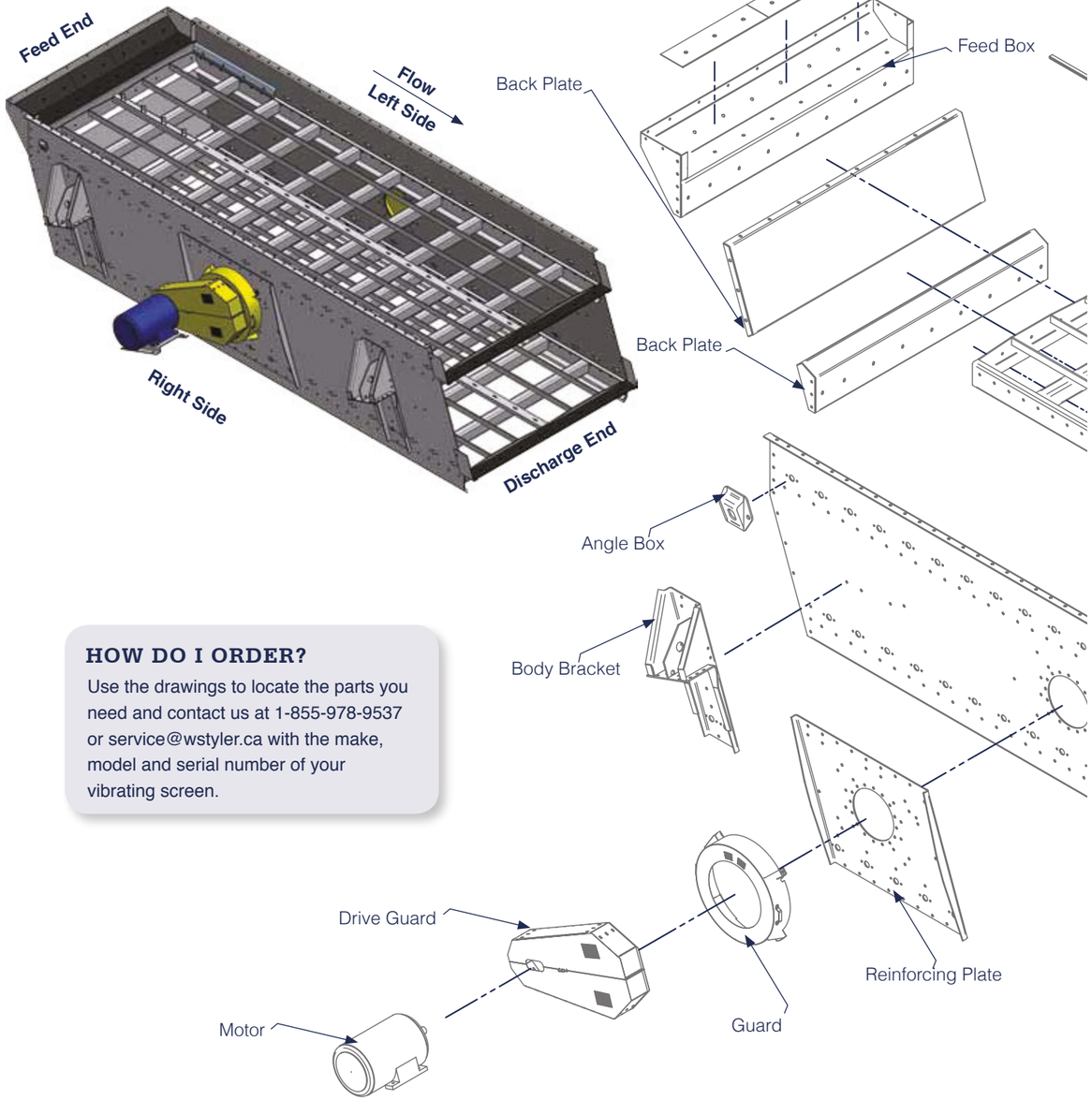
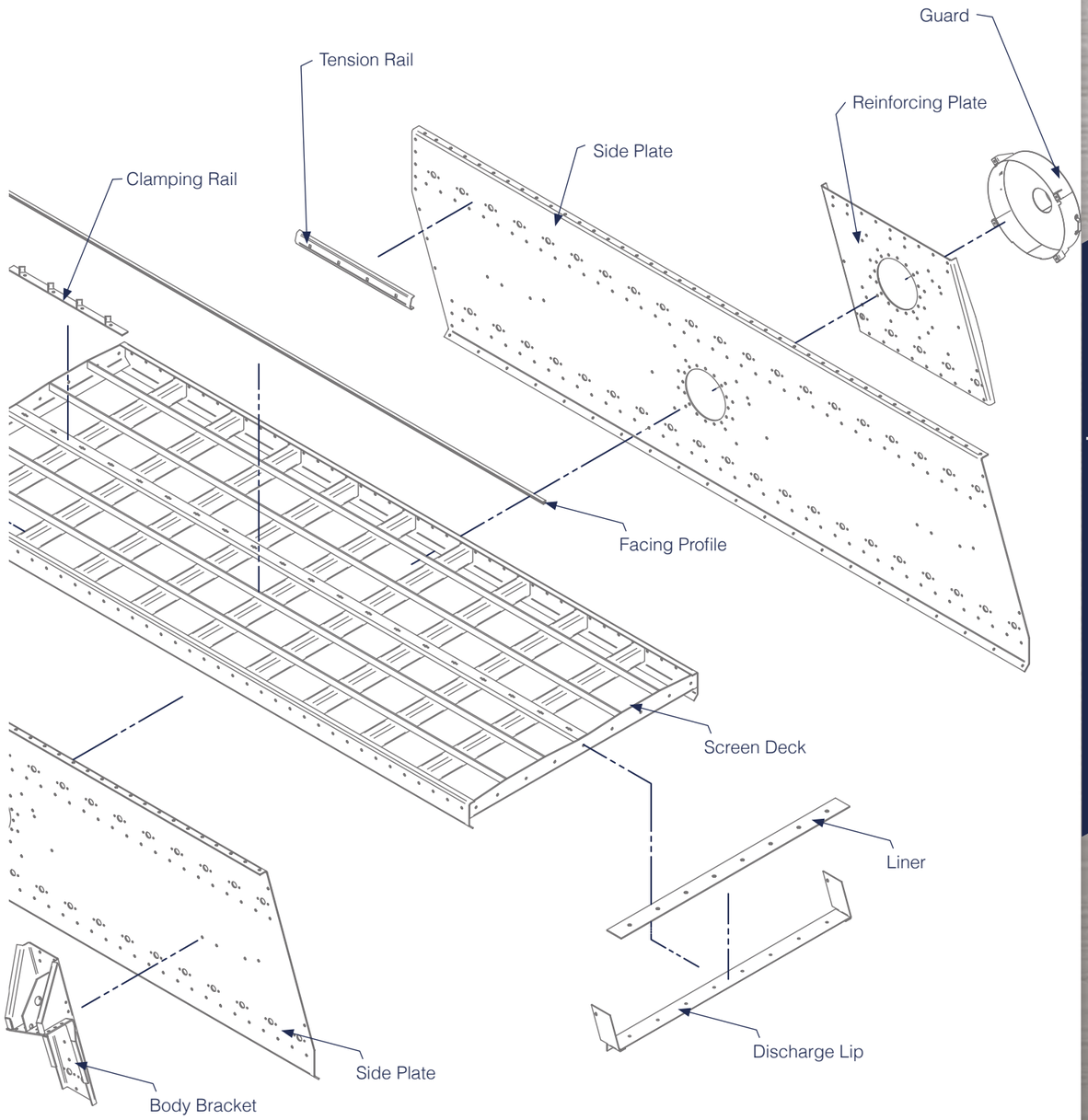
# T-Class / Ty-Rocket Body Components

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Components • Parts

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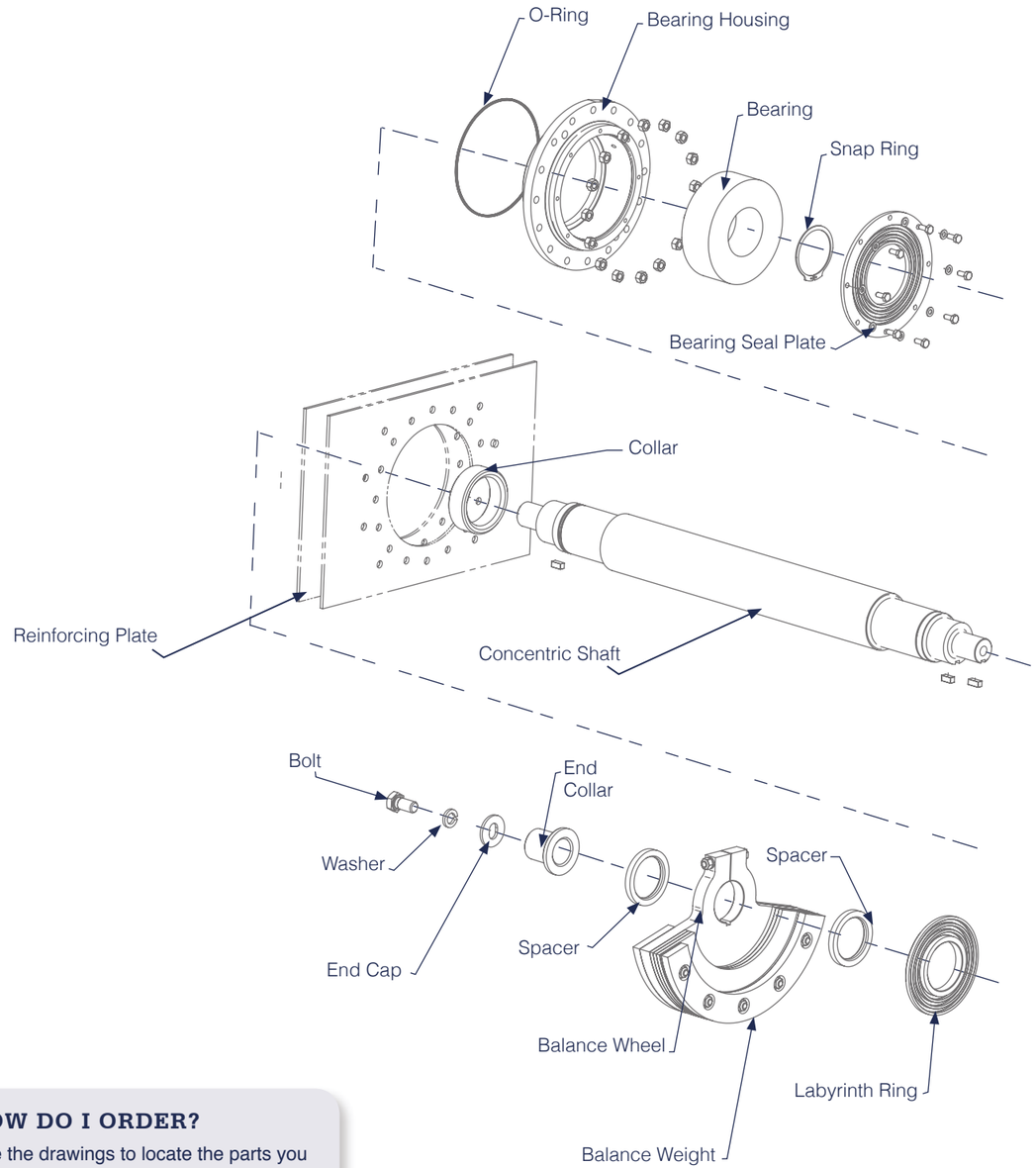
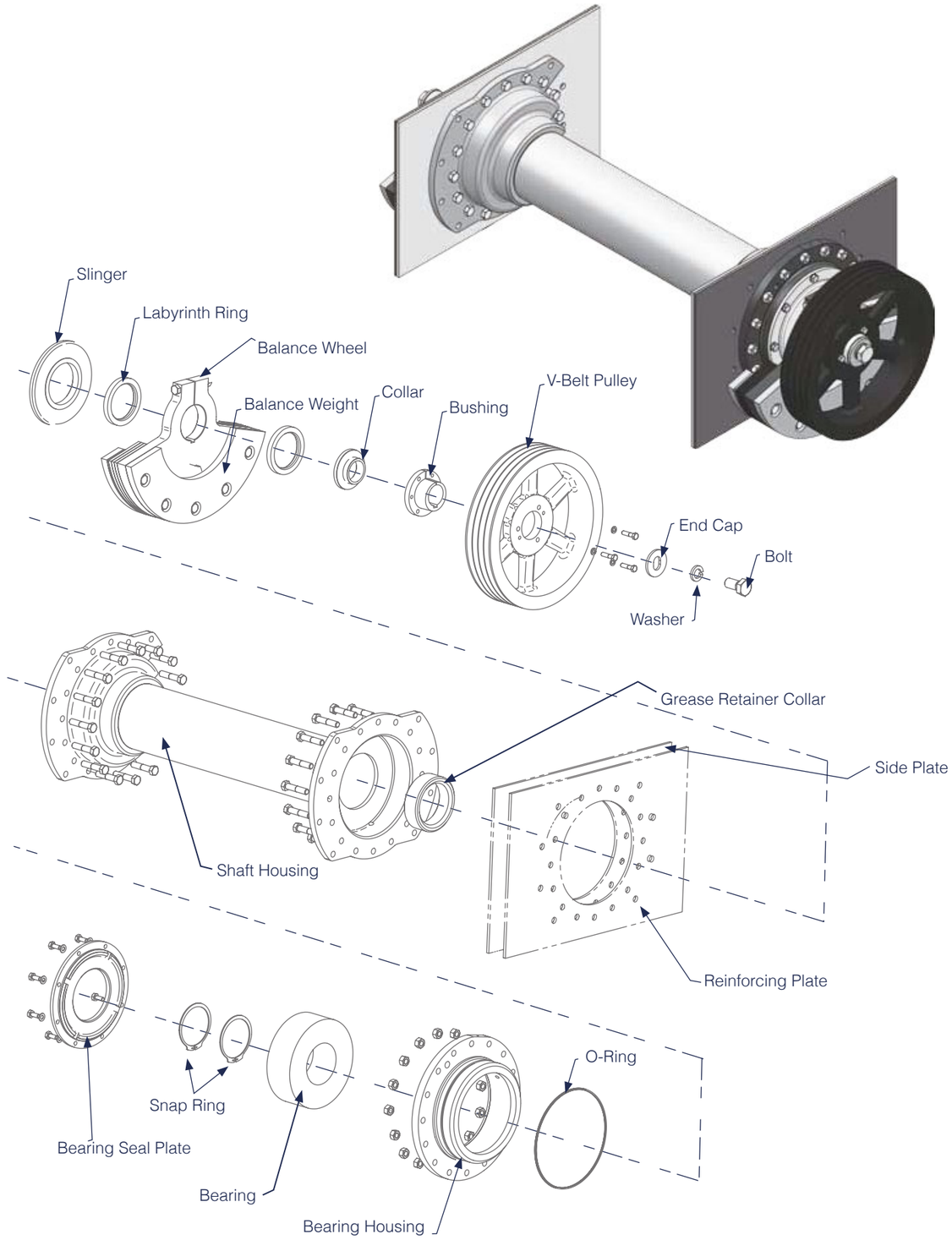
# T-Class / Ty-Rocket Shaft Components

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Components • Parts

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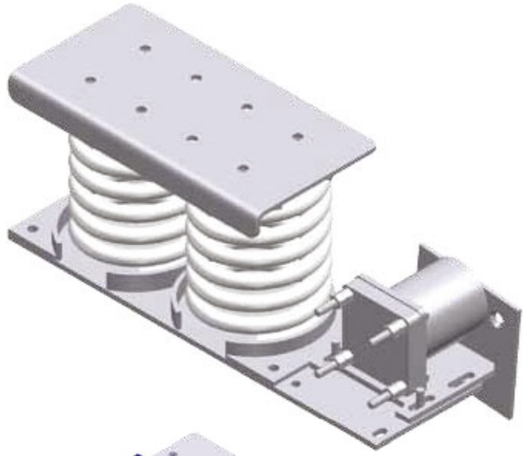
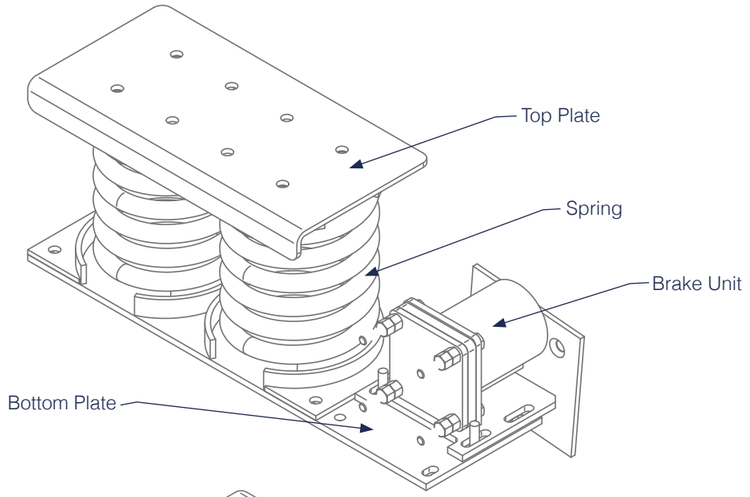
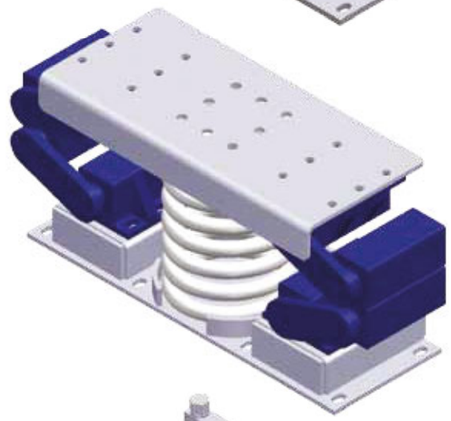
# T-Class / Ty-Rocket Mounting Components

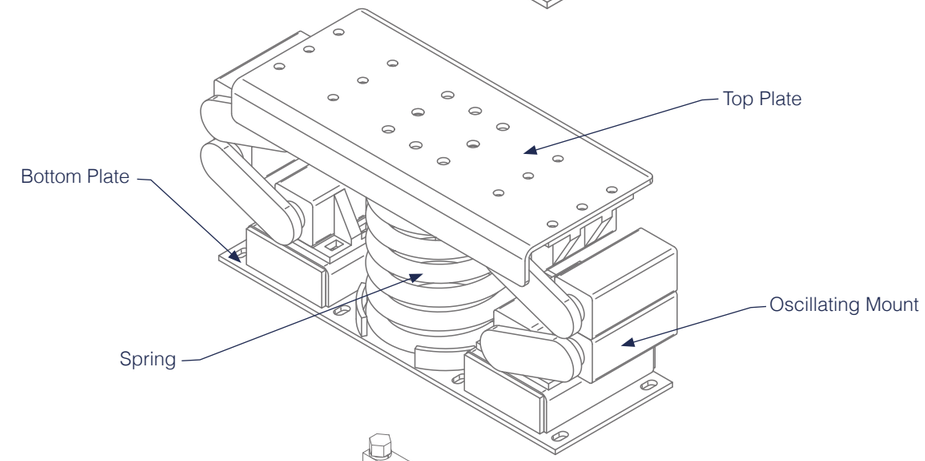
**SPRING MOUNT**



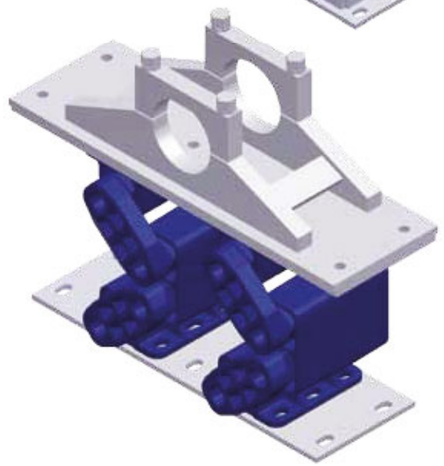


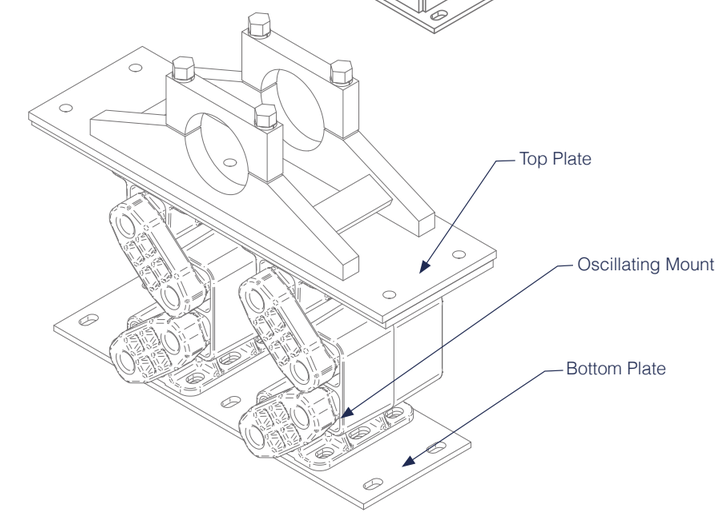

**COMBINATION SPRING OSCILLATING MOUNT**






**OSCILLATING MOUNT**



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Components • Parts

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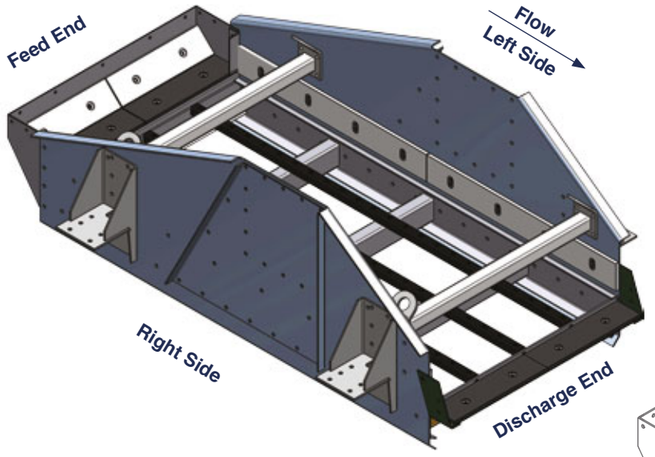
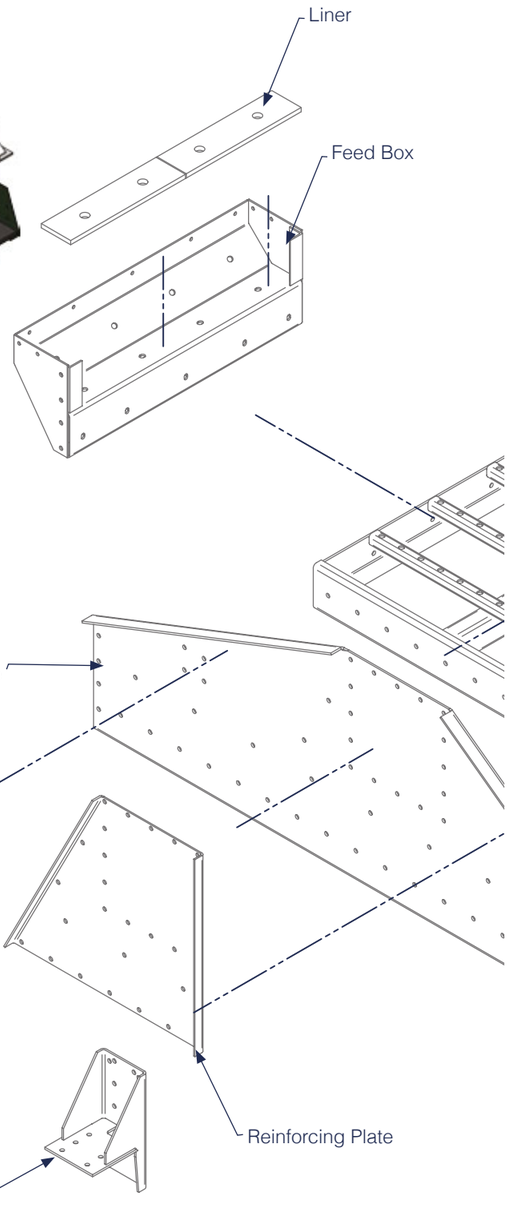
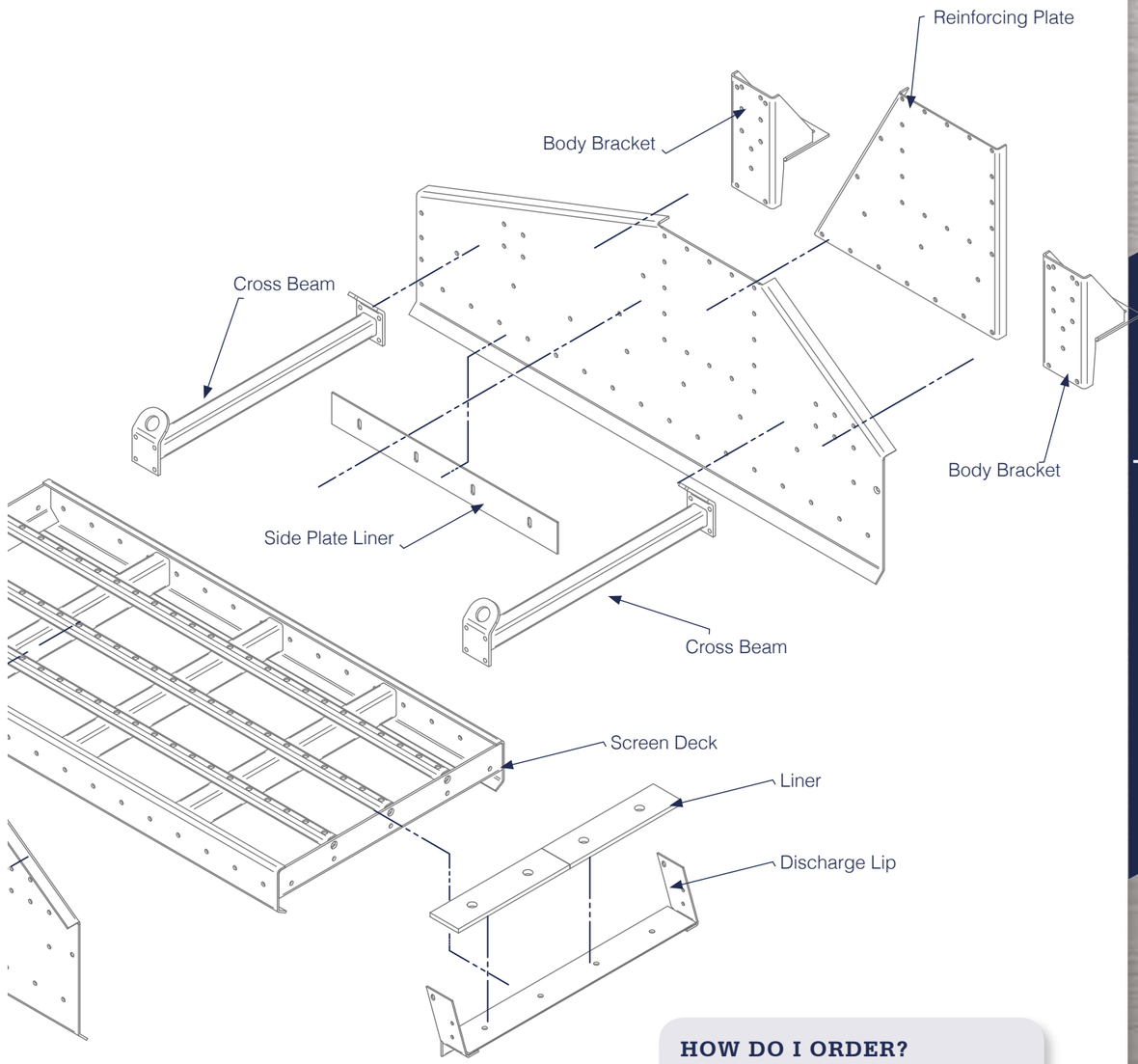
# UML-Class Body Components

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Components • Parts

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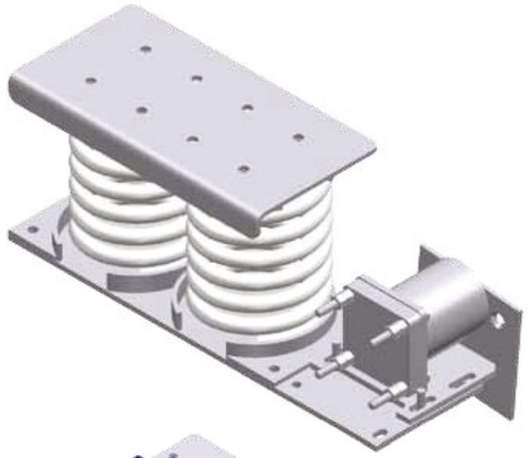
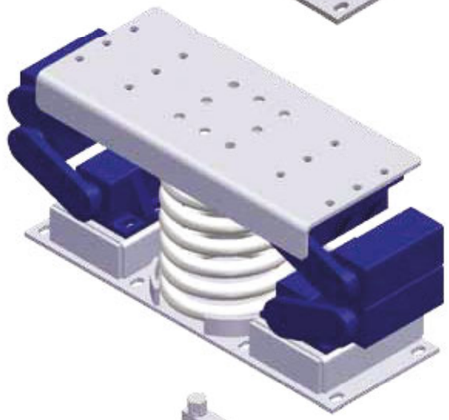
# UML-Class Mounting Components



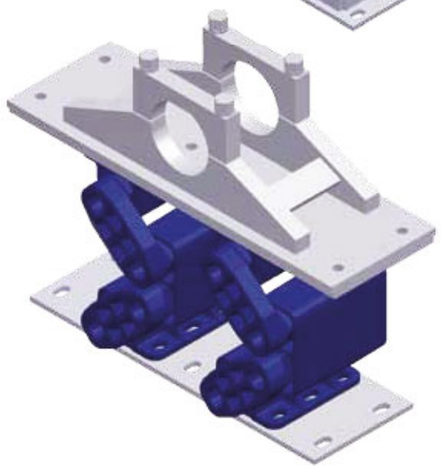
**SPRING MOUNT**



**COMBINATION SPRING OSCILLATING MOUNT**



**OSCILLATING MOUNT**



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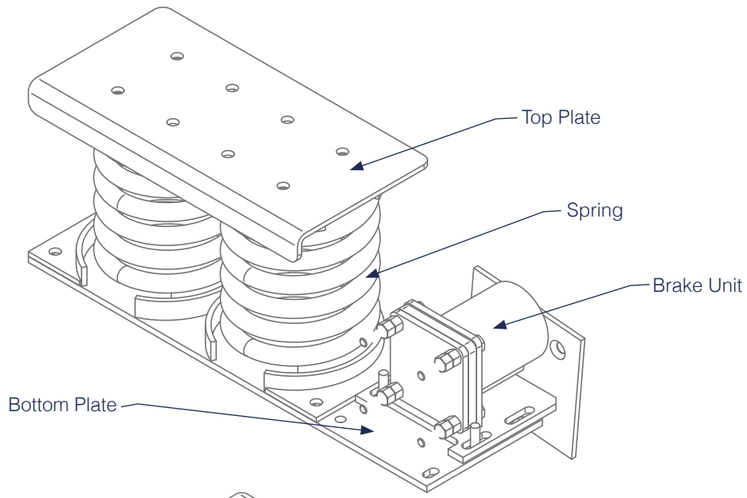
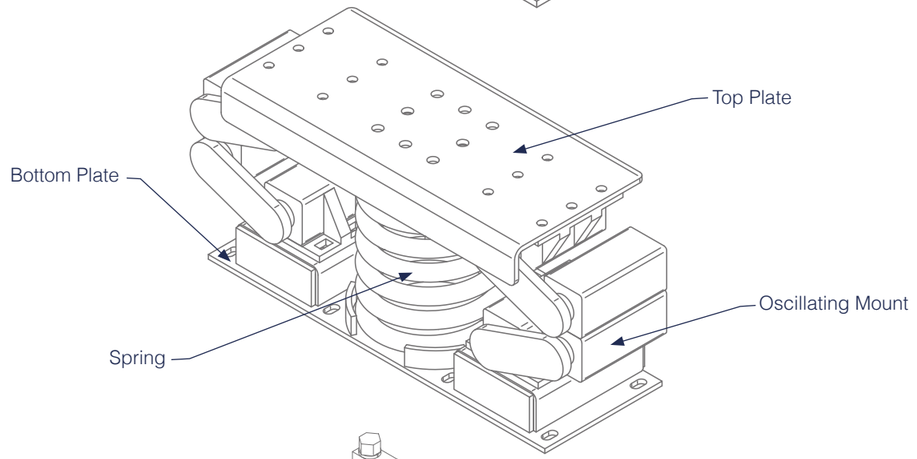
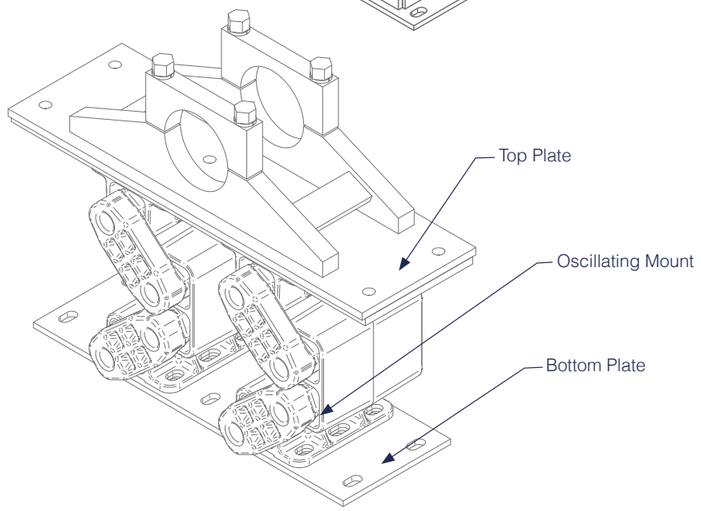
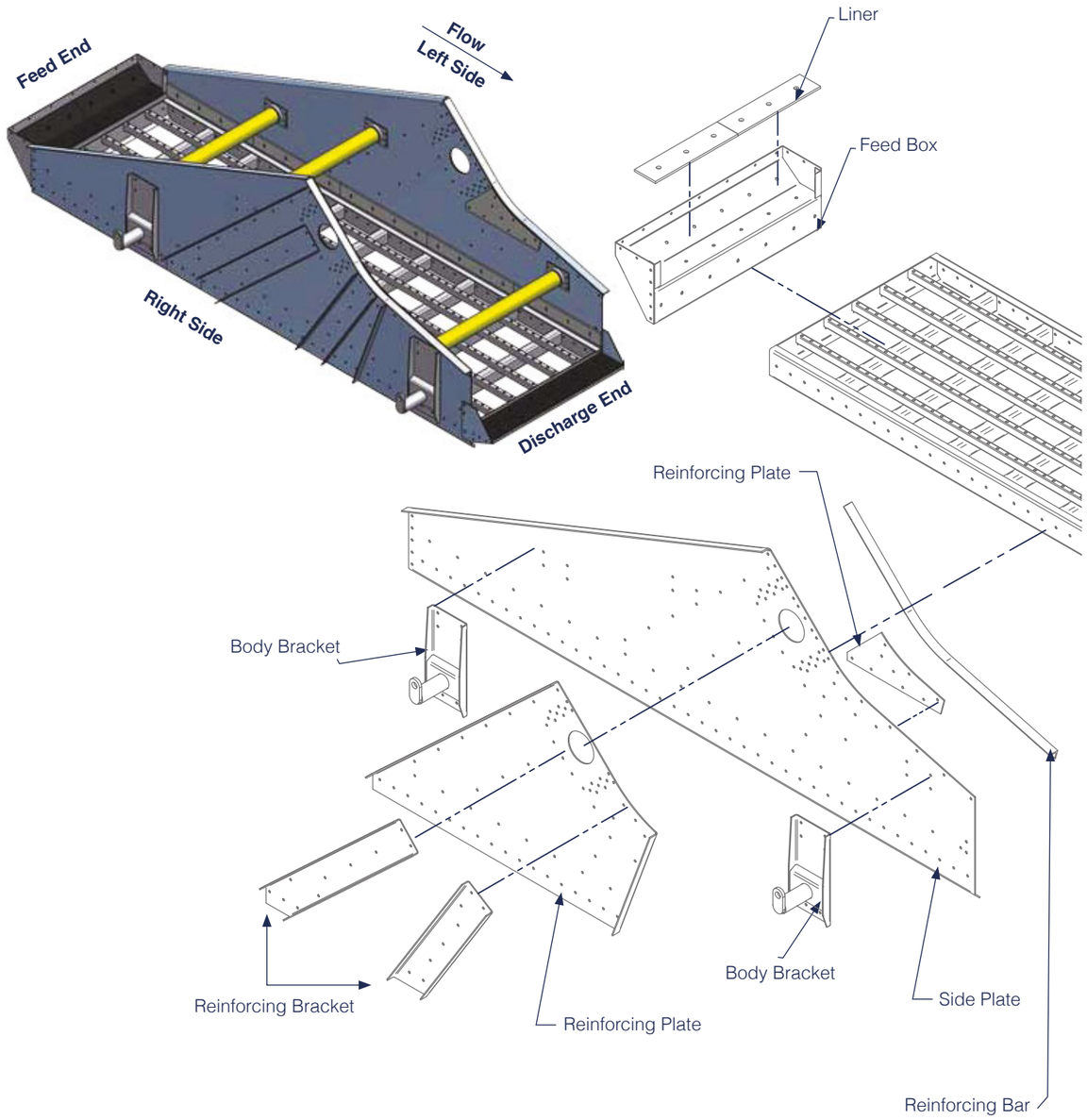
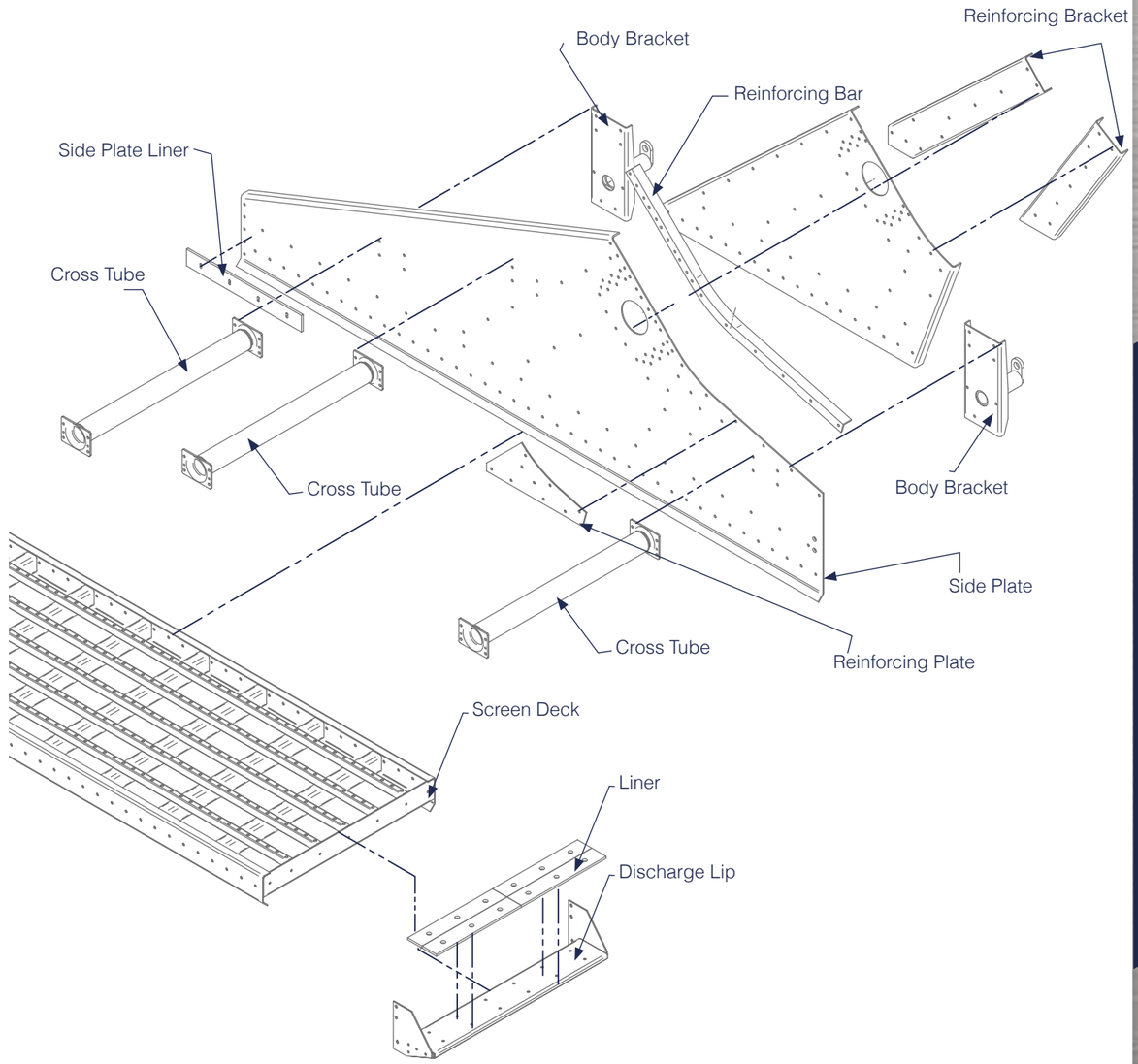


# XL-Class Body Components

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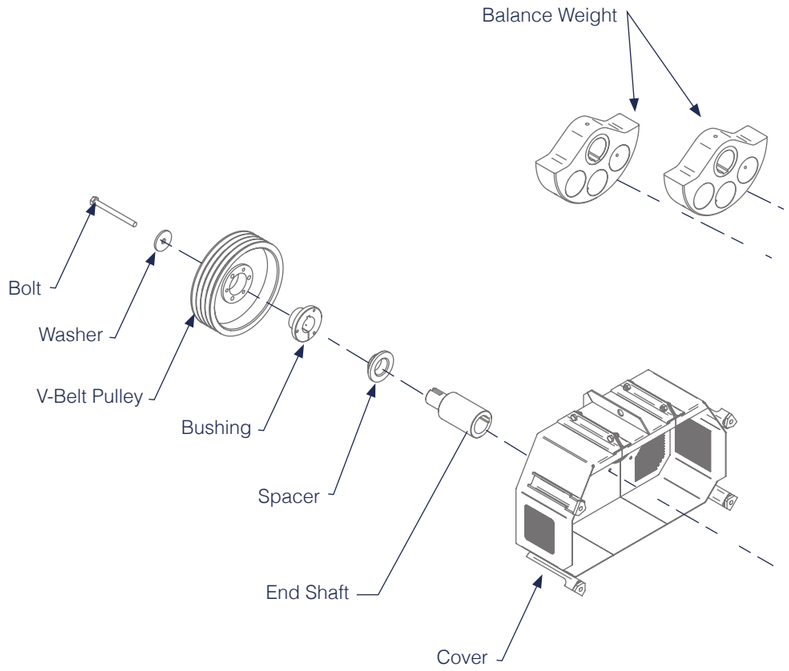
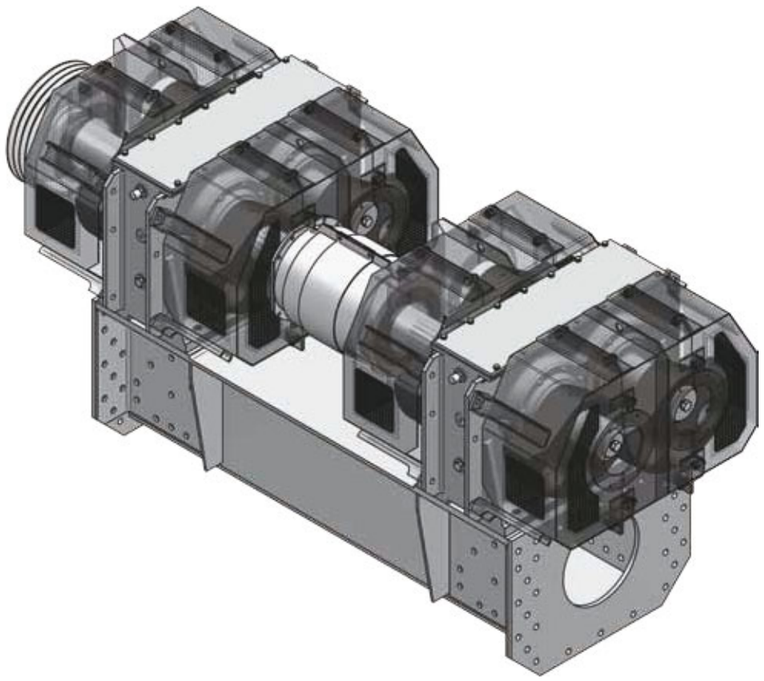
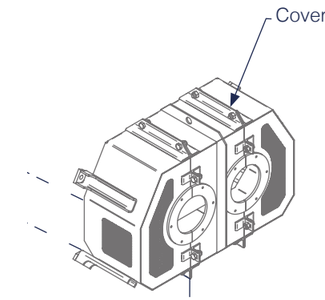
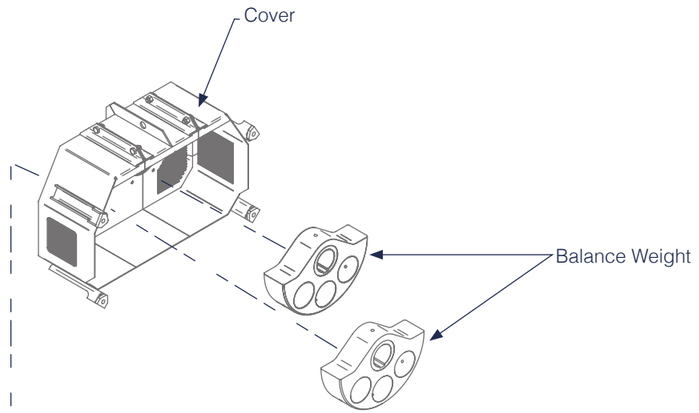
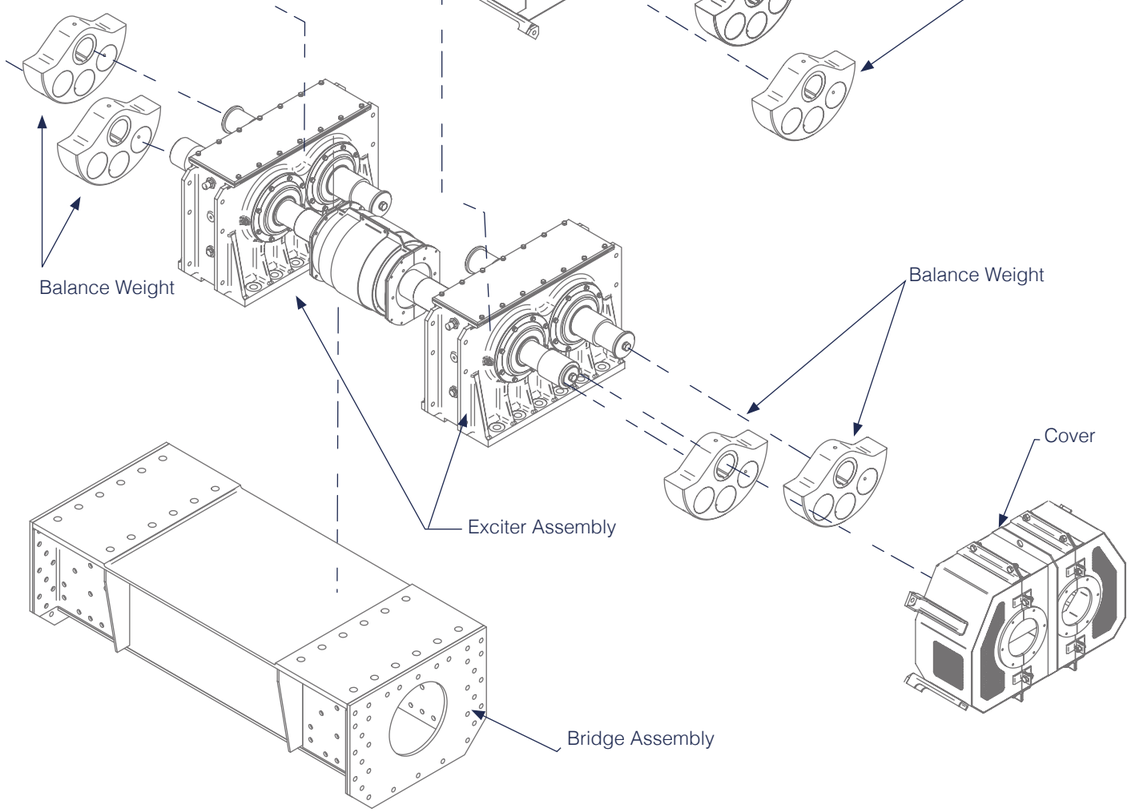
# XL-Class Shaft Components



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Components • Parts

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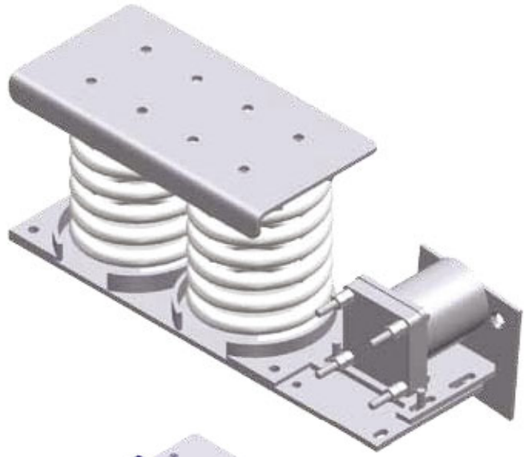
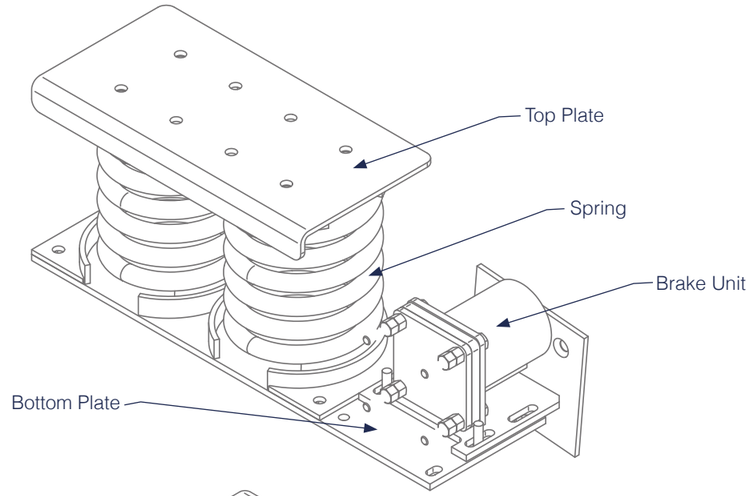
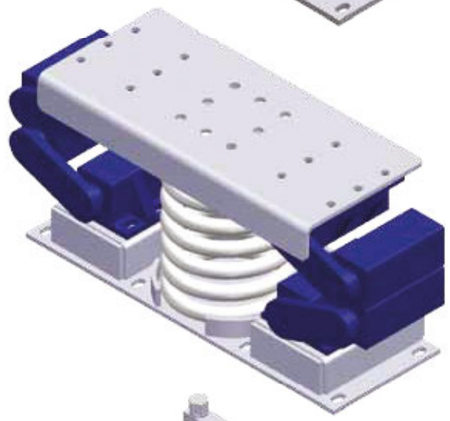
# XL-Class Mounting Components

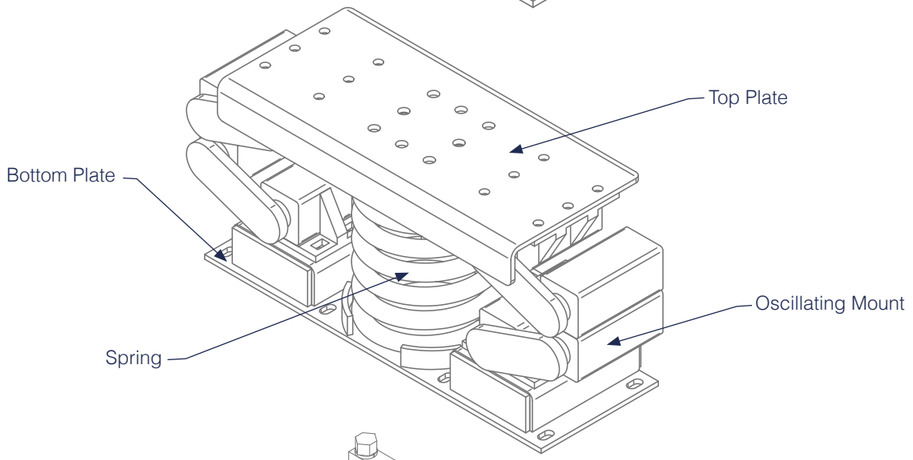
**SPRING MOUNT**



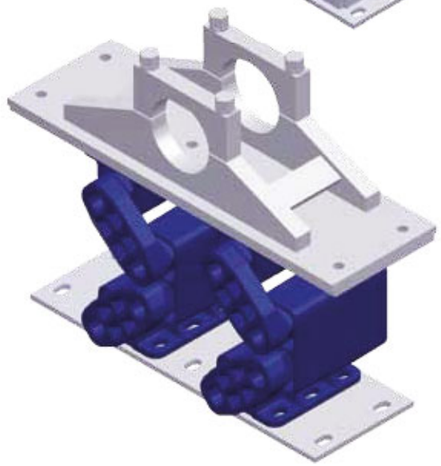


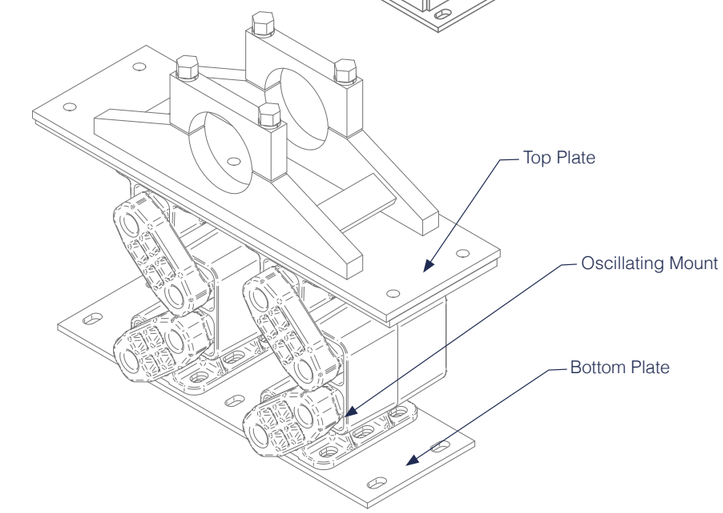

**COMBINATION SPRING OSCILLATING MOUNT**






**OSCILLATING MOUNT**



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Components • Parts

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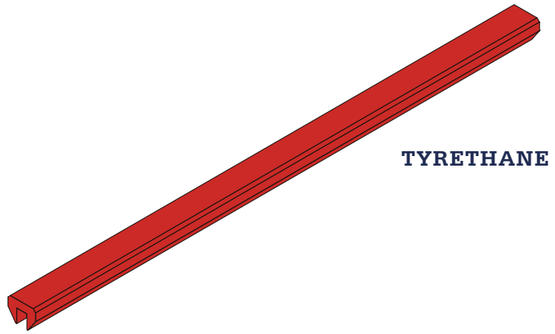
# Bar Rail Liners

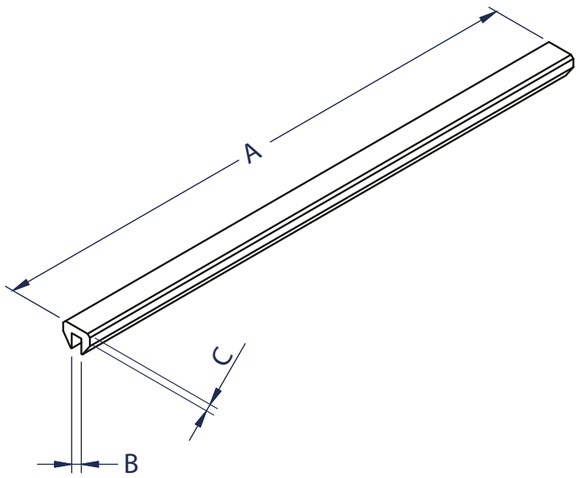
*Bar rail liners protect your screen media from sharp edges and provide support. Available in rubber and polyurethane for superior wear resistance.*


## Features & Benefits

- Bar rail liners are specifically designed and shaped to provide better screen media support for drum tight tensioning.
- Rubber bar rail liners offer moderate impact and wear resistance.
- For high-heat applications, silicone bar rail liners can withstand temperatures reaching 500º F (260º C).
- Polyurethane liners are built for a long wear life and can outlast several screen media replacements.
- Manufactured to length, bar rail liners require no cutting and are ready for installation.

## For the Perfect Fit




**Please Provide:**

**A –** Length

**B –** Bar rail width

**C –** Bar liner height

## ACCESSORIES

**Tension Rails** | *see page 119*

**Screen Tension Hardware** | *see page 115*

**Feed Box Liners** | *see page 112-113*

**Discharge Lip Liners** | *see page 112-113*

**Side Plate Liners** | *see page 112-113*

**Shaft Housing Liners** | *see page 114*

| Part Number | Bar Rail Width | Material | Length | Suggested Quantity |
|---|---|---|---|---|
| 200045818 | 0.25" | Rubber | 100' * | 1 roll |
| 200192611 | 0.25" | Silicone | 100' * | 1 roll |
| 200016368 | 0.25" | Tyrethane | 4' | 50 pieces |
| 202050292 | 0.25" | Tyrethane | 5' | 50 pieces |
| 200215501 | 0.375" | Rubber | 100' * | 1 roll |
| 200045962 | 0.375" | Silicone | 100' * | 1 roll |
| 200016382 | 0.375" | Tyrethane | 48' | 50 pieces |
| 200044545 | 0.375" | Tyrethane | 60' | 50 pieces |
| 200046068 | 0.50" | Rubber | 100' * | 1 roll |
| 200196657 | 0.50" | Silicone | 100' * | 1 roll |
| 200009438 | 0.50" | Tyrethane | 48' | 50 pieces |
| 202050506 | 0.50" | Tyrethane | 60' | 50 pieces |
| 200044804 | 0.75" | Rubber | 100' * | 1 roll |
| 200045993 | 0.75" | Silicone | 100' * | 1 roll |
| 200009445 | 0.75" | Tyrethane | 48' | 50 pieces |
| 202050568 | 0.75" | Tyrethane | 60' | 50 pieces |

***Roll can be cut to specific lengths.**


Components • Accessories

# Liners

*Liners are designed to protect screen body components from wear and are offered in polyurethane, rubber and QT 400.*

## Features & Benefits

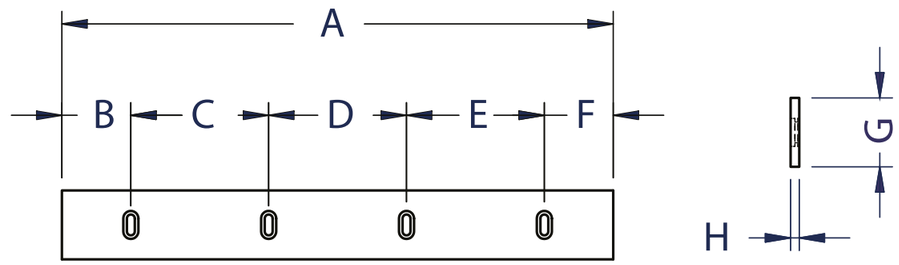
- Available for feedbox, side plate and discharge lip.
- Wear resistant materials protect vibrating screens from premature wear and prevent major repair work.
- Easy installation minimizes maintenance shutdown times.

**If you are unable to provide the information required, please send your liner along with your name, company name, phone number and email address to:**

**W.S. Tyler**
**225 Ontario St.,**
**St. Catharines, ON, L2R 7B6**

**W.S. Tyler will reverse engineer your liner to provide the part you need.**

## For the Perfect Fit




**Please Provide:**

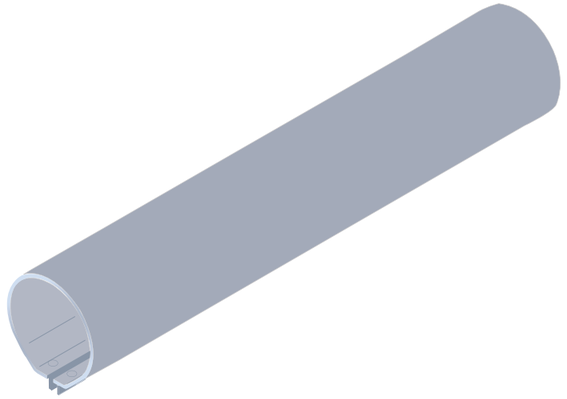
**A –** Length
**B –** Distance from end to first hole
**C –** Distance from first hole to second hole
**D –** Distance from second hole to third hole
**E –** Distance from third hole to fourth hole
**F –** Distance from fourth hole to end
**G –** Height
**H –** Thickness

| Part Number | Installation Location | Liner Material | Liner Thickness | Widths of Dimensions A |
|---|---|---|---|---|
| 200252254 | Feedbox | Rubber | | 9" |
| 200252261 | Feedbox | Rubber | 1/2" | 9" |
| 200002903 | Feedbox | Polyurethane | 1/2" | 9" |
| 200001692 | Feedbox | Polyurethane | | 9" |
| 200002392 | Feedbox | QT - 400 | 1/4" | 9" |
| 200002385 | Feedbox | QT - 400 | | 9" |
| 200252551 | Discharge Lip | Rubber | | 6" |
| 200252490 | Discharge Lip | Rubber | | 6" |
| 200001449 | Discharge Lip | Polyurethane | | 6" |
| 200002910 | Discharge Lip | Polyurethane | | 6" |
| 200179827 | Discharge Lip | QT - 400 | | 6" |
| 200002507 | Discharge Lip | QT - 400 | | 6" |
| 200009551 | Side plate | Polyurethane | | 6" |
| 200180243 | Side plate | QT - 400 | | 6" |

| Length of Dimension B | Temperature Range | Screening Applications | | Wear Resistance | Impact Resistance |
|---|---|---|---|---|---|
| | | Dry | Wet | | |
| 24" | 140 F/60 F | • | | Very Good | Excellent |
| 36" | 140 F/60 F | • | | Very Good | Excellent |
| 24" | 140 F/60 F | | • | Excellent | Very Good |
| 36" | 140 F/60 F | | • | Excellent | Very Good |
| 24" | N/A | • | | Excellent | Good |
| 36" | N/A | • | | Excellent | Good |
| 24" | 140 F/60 F | • | | Very Good | Excellent |
| 36" | 140 F/60 F | • | | Very Good | Excellent |
| 24" | 140 F/60 F | | • | Excellent | Very Good |
| 36" | 140 F/60 F | | • | Excellent | Very Good |
| 96" | N/A | • | | Excellent | Good |
| 72" | N/A | • | | Excellent | Good |
| 48" | N/A | • | | Excellent | Very Good |
| 48" | N/A | • | | Excellent | Very Good |

# Shaft Housing Liner

*Protects the shaft housing from wear and eliminates premature failure.*



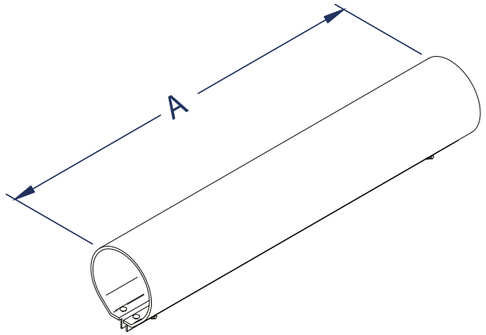
**ACCESSORIES**

**Tension Rails** | *see page 119*
**Feed Box Liners** | *see page 112-113*
**Discharge Lip Liners** | *see page 112-113*
**Side Plate Liners** | *see page 112-113*
**Bar Rail Liners** | *see page 110*

## Features & Benefits

- Protects shaft housing from impact to eliminate unnecessary replacement.
- Rubber design provides moderate impact and wear resistance.
- A premium design option is available with wear resistant steel - able to withstand rugged applications and fully eliminate wear on the shaft housing.

## For the Perfect Fit



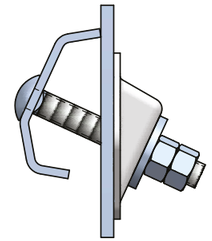

**Please Provide:**
**A –** Length of liner
**B –** Diameter

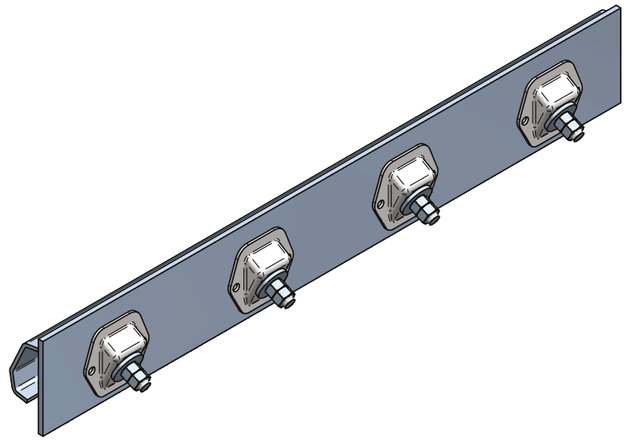
| Part Number * | Nominal Width of Vibrating Screen | Liner Material |
|---|---|---|
| 200014067 | 6' | Rubber 1/4" |
| 200016108 | 8' | |
| 200005478 | 6' | Wear Resistant Steel |
| 200001289 | 8' | |

*** Standard part numbers for all F-Class / Ty-Rock - T-Class / Ty-Rocket grease lubricated shaft assemblies**

# Screen Tension Hardware

*Provides more precise tensioning angle.*





## Features & Benefits

- Angle boxes provide the best tensioning angle on your screen media.
- Carriage bolts allow for one-man tensioning.
- Assembly ensures proper screen media tension.

| Part Number | Description | Recommended Quantity | Typical Application |
|---|---|---|---|
| 200017570 | Screen Tension Hardware Assembly including carriage bolt, angle box, bolts, nuts and washer. | 4 | Fastens one tension rail. |
| 2000386171 | Angle Box Replacement Kit. Includes angle box, bolts, and nuts. | 1 kit of 40 | Fastens ten tension rails. |

**HOW DO I ORDER?**

For the perfect fit, please provide us with your machine serial number. This number is located either on the top right hand corner of the machine side plate or the rubber mounting bucket. It can also be found in your manual or on your spec card.

**ACCESSORIES**

**Shaft Housing Liners** | *see page 114*
**Hardware** | *see page 118*


Components • Accessories

# Hardware Bearing Housing

*Secure your bearing housing to OEM specifications.*

**ACCESSORIES**

**Shaft Housing Liners** I *see page 114*

**Hardware** I *see page 118*

## Features & Benefits

- Complete set includes all hardware required to assemble the bearing housing. This set is specific to holes measuring 0.813".

| Part Number | Description | Length | Nominal Diameter | Quantity |
|---|---|---|---|---|
| 200004136 | Bolt Assembly, 1100 (160 mm) Bearing T/F Class* | 3.5" | 3/4" | 16 |
| 200003115 | Bolt Assembly, 900 (140 mm) Bearing T/F Class* | 3.75" | 3/4" | 16 |

* Includes bolt, nut and washer.

**HOW DO I ORDER?**

For the perfect fit, please provide us with your machine serial number. This number is located either on the top right hand corner of the machine side plate or the rubber mounting bucket. It can also be found in your manual or on your spec card.





# Tyrethane Spray Nozzles

*Tyrethane Spray Nozzles are used for wet screening, ore washing, medium recovery, clay removal, conveyor belt cleaning, dust suppression and cooling.*

**ACCESSORIES**

**Tension Rails** I *see page 119*

**Tension Hardware Screen** I *see page 115*

**Feed Box Liners** I *see page 112-113*

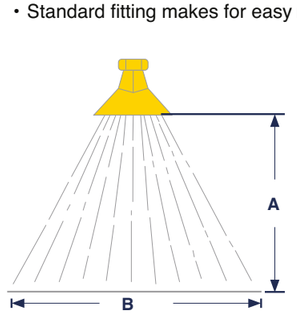
**Discharge Lip Liners** I *see page 112-113*

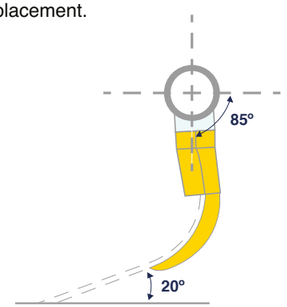
**Side Plate Liners** I *see page 112-113*

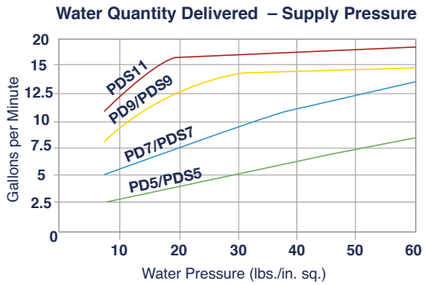
**Shaft Housing Liners** I *see page 114*

## Features & Benefits

- Manufactured with polyurethane, Tyrethane Spray Nozzles have increased wear life in comparison to conventional spray nozzles. Risk of corrosion is eliminated, reducing replacement frequency.
- The beavertail design of the nozzles creates a uniform water spray with high operating efficiency.
- Standard fitting makes for easy replacement.




| Distance From Material (A) | | 8" | 12" | 16" | |
|---|---|---|---|---|---|
| Part Number | Pressure (PSI) | Operating Width of Spray (B) | | | Nozzle Color |
| 201988305 | 20 | 14.5" | 18" | 25" | Green |
| 200288635 | 35 | 19" | 23" | 30.5" | Green |
| 201988312 | 20 | 13" | 18" | 18" | Blue |
| 200038650 | 35 | 15" | 21" | 27" | Blue |
| 201988329 | 20 | 18" | 22.5" | 14.5" | Yellow |
| 200037134 | 35 | 23" | 27" | 38" | Yellow |
| 201988336 | 20 | 18" | 22.5" | 14.5" | Red |
| 201988343 | 35 | 23" | 27" | 38" | Red |




Components • Accessories

# Body Hardware

*Includes screws, nuts, washers and bolts needed to assemble the vibrating screen body.*

### HOW DO I ORDER?

For the perfect fit, please provide us with your machine serial number. The number can be found on the rubber mounting bucket, the top right hand corner of the machine side plate, in your manual or on the spec card.

## Features & Benefits

- Complete set includes hardware required to assemble the body of your machine. The set is specific to holes measuring 0.813"

| Part Number | Description |
|---|---|
| 200019550 | Hex Cap Screw, 3/4-10UNC 2 GR8ZINC 109 |
| 200040462 | Hex Cap Screw, 3/4-10UNC 2.5 GR8ZINC 1 |
| 200019123 | Lock Nut, 3/4-10UNC GRCZINC TL 36 |
| 200019666 | Washer, 0.75 0.813 1.469 HARDZINC 1 |
| 200019703 | Locking Ring Bolt, 0.75 RK 19-26 075-1 - Huck Bolt |
| 200020280 | Locking Ring Bolt, 0.75 RK 255-325 1-125 - Huck Bolt |
| 200183299 | Locking Ring, 0.75 S ST - Huck Collar |

### ACCESSORIES

**Shaft Housing Liners** | *see page 114*
**Hardware** | *see page 116*
**Huck Gun** | *see page 151*





HAVER & TYLER

# Tension Rails

*Designed for tensioning a variety of screen media including hooked woven wire cloth and hooked self-cleaning screens.*

### ACCESSORIES

**Tension Hardware Screen** | *see page 115*
**Feed Box Liners** | *see page 112-113*
**Discharge Lip Liners** | *see page 112-113*
**Side Plate Liners** | *see page 112-113*
**Shaft Housing Liners** | *see page 114*
**Bar Rail Liners** | *see page 110*

## Features & Benefits

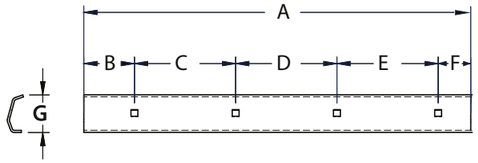
- Three-bend design ensures perfect installation position of tensioned screens on cambered deck frames.
- Increased stiffness evenly distributes tension forces across the full length of screen hook, minimizing premature failure.
- For additional wear resistance, tension rails are also available lined with polyurethane, rubber or a wear-resistant steel.

**If you are unable to provide the required information, please send your tension rail along with your name, company name, phone number and email address to:**

**W.S. Tyler**
**225 Ontario St.,**
**St. Catharines, ON, L2R 7B6**

**W.S. Tyler will reverse engineer your tension rail to provide the part you need.**

## For the Perfect Fit




**Please Provide:**

**A –** Length
**B –** Distance from end to first hole
**C –** Distance from first hole to second hole
**D –** Distance from second hole to third hole
**E –** Distance from third hole to fourth hole
**F –** Distance from fourth hole to end
**G –** Height

| Part Number | Liner Material | Liner Thickness | Temperature | Dry | Wet | Wear Resistance | Impact Resistance | Best Suitable in Combination With |
|---|---|---|---|---|---|---|---|---|
| 200037004 | N/A | N/A | N/A | • | | Good | Good | Woven Wire |
| – | QT 400 or ARS | 1/4" | N/A | • | | Excellent | Good | Double T Impact Screens |
| 201666654 | Ty-Dura | 3/8" | 140° F (60° C) | • | | Very Good | Excellent | Hooked Rubber Screens |
| – | Tyrethane | 1/2" | 140° F (60° C) | | • | Excellent | Very Good | Ty-Max, Ty-Wire |

# Lubrication System

*Automated system supplies grease lubricant to bearings at timely intervals to reduce maintenance.*


## Features & Benefits

- Regular lubrication of bearings extends life and prevents system downtime.
- Reduces friction, heat and wear.
- Reduces maintenance.

| Part Number |
|---|
| 202324126 |

### HOW DO I ORDER?

For the perfect fit, please provide us with your machine serial number. This number is located either on the top right hand corner of the machine side plate or the rubber mounting bucket. It can also be found in your manual or on your spec card.

### ACCESSORIES

**Shaft Housing Liners** | *see page 114*

**Hardware** | *see page 118*





# SKF™ Copperhead Bearing Monitoring Systems

*Detects bearing faults or possible vibrating screen faults.*


## Features & Benefits

- Steel enclosures with a hinged window door contain the vibration and temperature transmitter for continuous monitoring.
- Stand-alone vibration and temperature monitoring is available when the enclosure includes the display/alarm module.
- Continuous fault detection capabilities decrease unplanned downtime, reducing maintenance and repair costs.
- Equipment can be monitored from the control room, directly through the plant or mine automation system.
- Display and alarm module provides a visual indication of bearing condition for easy assessment.

## For the Perfect Fit

For the perfect fit, please provide us with your machine serial number and the corresponding system components.

| Part Number | Item |
|---|---|
| 200262291 | SKF COPPERHEAD SYSTEM |
| | CPHD8EC/ SP3 System |
| 200266688 | SKF COPPERHEAD SYSTEM |
| | CPHD 4ECMT |
| | Fault Detection Kit consisting of:<br>2 CMPT CTU Transmitters<br>1 Enclosure<br>Plus CMPT DCL's for Vibration Monitoring and temperature |
| 200166100 | SKF COPPERHEAD SYSTEM |
| | CPHD 2 EC |
| | Fault Detection Kit consisting of:<br>2 accelerometers with temperature sensor<br>2 CTU<br>1 enclosure |
| 200283722 | Generic list of SKF Copperhead system. |

# Computerized Particle Analyzer

*The Computerized Particle Analyzer (CPA) is a real-time measuring device used to measure the size and shape of particles up to ten times faster than conventional sieving methods.*


## Features & Benefits

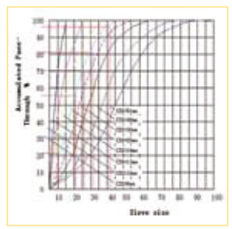
- The high resolution, digital line camera analyzes the size and shape of up to 10,000 particles per second as small as 10 microns.
- The easy-to-use software provides particle size distribution and numerous calculations immediately with ensured repeatability.
- Full automation minimizes quality assurance costs by reducing manual labor and eliminating error in operation.

### HOW DO I ORDER?

For additional information or to arrange a visit with a TYLER representative, please contact us: 1-855-978-9537 or email service@wstyler.ca

### HOW DOES IT WORK?

1. Pour sample into the CPA funnel.
2. Funnel discharges material onto the vibrating feeder in a single layer.
3. The material falls off the end of the feeder into a measuring chamber.
4. The high resolution, digital line camera scans each particle.
5. CPA software recognizes, counts and calculates the size and shape of each particle.
6. Receive your results immediately upon completion.







HAVER & TYLER

# CPA Partnership Program

*The CPA Partnership Program is a complete technology package providing you with a new Computerized Particle Analyzer every 36 months paired with continuous technical support and regular training and software.*

### HOW DO I ORDER?

For additional information or to arrange a visit with a TYLER representative, please contact us: 1-855-978-9537 or email service@wstyler.ca

## Features & Benefits

- A new CPA every three years ensures the highest level of precision without a capital expenditure.
- Remote access to your CPA gives you immediate responses to any questions or challenges you may have.
- Annual training and scheduled software releases provide the most effective quality control available.

### HOW DOES IT WORK?

1. W.S. Tyler tests your product and provides consultation on your the best CPA technology options for your operation.
2. Select your CPA system and accessories.
3. W.S. Tyler installs your CPA and enables your remote access.
4. W.S. Tyler trains your team on the CPA system.
5. You will receive regular software updates and training.
6. You will receive a new CPA after 36 months.

### WHAT DO I NEED TO KNOW?

1. Payments are made on a monthly basis.
2. Term of program is a minimum of 36 months.
3. With each additional 36 month commitment, receive a new CPA.
4. Buy back programs are available for non Haver & Tyler equipment.

HAVER & TYLER

# CPA Systems At A Glance

**COMPUTERIZED PARTICLE ANALYZERS**








| DESIGNATION | | HAVER CPA 2-1 | HAVER CPA 2 CONVEYOR | HAVER CPA 4-1 | HAVER CPA 4-2 | | HAVER CPA 4 CONVEYOR | HAVER CPA 5 CONVEYOR | HAVER CPA 4 GRAVIOPT | HAVER CPA 5 GRAVIOPT |
|---|---|---|---|---|---|---|---|---|---|---|
| Number of measuring ranges | [-] | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 |
| Measuring range | [mm] | .034mm - 25mm | .037mm - 20mm | .063mm - 50mm | 0.035-15 | 0.091-90 | .106 - 200 | .4 - 400 | 0 - 50 | 0 - 200 |
| Chute width/sampling width | [mm] | 65 | 65 | 200 | 100 | 300 | 310 | 815 | 200 | 450 |
| Belt width | [mm] | – | 70 | _ | – | | 400 | 750 | – | – |
| Hopper volume (approx.) | [L] | 1.5 L | 4 L | 14 L | 3.6 L | 18 L | 14 L | – | – | – |
| Application | [-] | Laboratory | Online/Laboratory | Online/Laboratory | Online/Laboratory | | Online/Laboratory | Inline | Online/Laboratory | Online |
| Lighting module | [-] | LED | LED | LED | LED | | Fluorescent tube | Fluorescent tube | LED | Halogen |
| Dimensions (approx.) (LxWxH) | [mm] | 730 x 260 x 410 | 940 x 260 x 580 | 1500 x 790 x 940 | 1900 x 800 x 1050 | | 2000 x 800 x 1300 | 2221 x 1700 x 300 | 3000 x 790 x 2010 | 5400 x 720 x 1720 |
| Weight (approx.) | [kg] | 16 kg | 27 kg | 120 kg | 178 kg | | 175 kg | 167 kg | 450 kg | 530 kg |
| Supply voltage | [V] | 230V or 115V | 230V or 115V | 230V or 115V | 230V or 115V | | 230V or 115V | 230V or 115V | 230V or 115V | 230V or 115V |
| Protection class (standard) | [-] | IP 54 | IP 54 | IP 54 | IP 54 | | IP 54 | IP 64 | IP 54 | IP 54 |
| Interfaces | [-] | BUS-Ext., GigE, USB | Digital IO-Ports, RS 646, USB | IO-Ports, RS 646, RS 232 | Digital IO-Ports, RS 646, RS 232 | | Digital IO-Ports, RS 646, RS 232 | Digital IO-Ports, RS 646, RS 232 | Digital IO-Ports, RS 646, RS 232 | Digital IO-Ports, RS 646, RS 232 |
| Line resolution | [Pixels] | 2048 Pixels | 2048 Pixels | 4096 Pixels | 4096 Pixels | | 4096 Pixels | 2048 Pixels | 4096 Pixels | 4096 Pixels |
| Pixel frequency | [MHz] | 40 MHz | 60 MHz | 60 MHz | 60 MHz | | 40 MHz | 40 MHz | 60 MHz | 60 MHz |


Components • CPA

HAVER & TYLER

# CPA Accessories At A Glance

**ACCESSORIES FOR CPA UNITS**







| DESIGNATION | | HAVER HSD | HAVER DMS | HAVER EMZ | | HAVER AS 6 | HAVER AS 12 | HAVER AS 24 | HAVER CPA CONTAINER |
|---|---|---|---|---|---|---|---|---|---|
| Grain size range | [mm] | 2mm - 45mm | 0mm - 45mm | 0mm - 45mm | | 0mm - 30mm | 0mm - 30mm | 0mm - 30mm | 0mm - 50mm together with HAVER CPA 4 GRAVIOPT |
| Hopper volume (approx.) | [L] | 23 L | – | 15 L | | – | – | – | – |
| Application | [-] | For fast drying of moist bulk materials (Online/ Laboratory) | For screening out the fine content of bulk materials (Online/Laboratory) | For conveying and dosing bulk materials (Online/Laboratory) | | For the automatic feeding of CPA units (Online/Laboratory) | For the automatic feeding of CPA units (Online/Laboratory) | For the automatic feeding of CPA units (Online/Laboratory) | "Plug and Play" - Online-solution for integration into existing or newly planned systems (Online) |
| Dimensions (approx.) (LxWxH) | [mm] | 1500 x 700 x 1500 | 1000 x 600 x 1300 | 860 x 700 x 1700 | | 1100 x 400 x 880 | 1760 x 400 x 1300 | 1760 x 550 x 1300 | 4050 x 2170 x 2470 |
| Weight (approx.) | [kg] | 220 kg | 127 kg | 81 kg | | 70 kg | 76 kg | 90 kg | 1250 kg (incl. fittings) |
| Supply voltage | [V] | 400V | 230V or 115V | 230V or 115V | | 230V or 115V | 230V or 115V | 230V or 115V | 230V x 115V |
| Protection class (standard) | [-] | IP 54 | IP 55 | IP 55 | | IP 54 | IP 54 | IP 54 | – |
| Power | [kW] | 18, 54 kW | – | – | | – | – | – | Air conditioner: 2.14 kW<br>Rapid heater: 1.00 kW |
| Max. heating temperature | [°C] | 600 C | – | – | | – | – | – | – |
| Max. air quality | [l/min] | 3900 l/min | – | – | | – | – | – | – |
| Number of containers | [Stk.] | – | – | – | | 6 stk. | 12 stk. | 24 stk. | – |
| Container capacity (standard) | [ml] | – | – | – | | 500 mL | 500 mL | 500 mL | – |


Components • CPA

# EQUIPMENT



# Niagara

*Niagara vibrating screens provide the ideal solution for mining and scalping applications. The screens offer a self-cleaning action to minimize common problems encountered with traditional grizzly feeders.*


## Features & Benefits

- Dynamically balanced to minimize dynamic loads transferred into the structure.
- Extra heavy-duty body design handles heavy applications with extreme material sizes up to 80” x 40” x 40”.
- Single eccentric, four-bearing shaft assembly ensures positive circular motion, resulting in the most effective screening action minimizing blinding and pegging.

## Application

**Scalping**

**OPTIONS & ACCESSORIES**

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Bearings | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| N | 6' | 12' | 1-4 | 5/16" - 10" | 60" x 30" x 30" | Up to 3,000 | 10 - 25º | 4 | Grease | 3.8 - 4.2g |
| | | 16' | | | | | | | | |
| | | 20' | | | | | | | | |
| | 8' | 16' | 1-3 | 1.25" - 14" | 80" x 40" x 40" | Up to 5,000 | | | | |
| | | 20' | | | | | | | | |
| | | 24' | | | | | | | | |







# F-Class

*F-Class vibrating screens offer the ideal solution for challenging screening applications requiring consistent performance, load independence and minimal vibration transmission in the structure.*


## Features & Benefits

- Dynamically balanced to reduce CAPEX by eliminating dynamic loads transferred into the structure and allowing for multiple machine installations.
- Integral shear rubber mounting systems, drive and base frame maintain process reliability during extreme circumstances such as overloading, surging and starting and stopping under load.
- Double eccentric, four-bearing shaft assembly enhances positive circular motion, which ensures the most effective screening action and minimizes blinding and pegging.

## Application

**Scalping**
**Classifying (wet or dry)**

**OPTIONS & ACCESSORIES**

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Bearings | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| F | 6' | 12' | 1-3 | 6" - 20 mesh | 1" | Up to 800 | 15 - 25º | 2 (160mm) & 2 (100mm) | Grease | 3.8 - 4.2g |
| | | 16' | | | | | | | | |
| | | 20' | | | | | | | | |
| | 8' | 16' | | 8" - 20 mesh | | Up to 1,200 | | | | |
| | | 20' | | | | | | | | |
| | | 24' | 1-2 | | | | | | | |

# T-Class

*T-Class vibrating screens are premium two-bearing screens, which offer a high degree of versatility due to their configurability to any application and personal customer preference.*


## Features & Benefits

- Modular design based on pre-engineered components allows for the configuration of the T-Class based on customer requirements and material applications.
- Robust body design with non-welded side plates promotes long machine life.
- Concentric, two-bearing shaft assembly provides a range of speed and stroke combinations.

## Application

**Scalping**

**Classifying (wet or dry)**

**OPTIONS & ACCESSORIES**

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Bearings | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| T | 4' | 8' | 1 - 3 | 4" - 20 mesh | 4" minus | Up to 300 | 15 - 25° | 2 (100mm) | Grease | 3.8 - 4.2g |
| | | 12' | | | | | | | | |
| | 5' | 12' | | | | | | | | |
| | | 16' | | | | | | | | |
| | 6' | 12' | | 6" - 20 mesh | 16" minus | Up to 800 | | 2 (160mm) | | |
| | | 16' | | | | | | | | |
| | | 20' | | | | | | | | |
| | 8' | 16' | | | | Up to 1200 | | | | |
| | | 20' | | | | | | | | |
| | | 24' | | | | | | 4 (160mm) | | |
| | | 24' | | | | | | | | |





# TAGG

*TAGG vibrating screens are designed for light to medium duty applications. These two bearing screens were designed in consultation with our aggregate client base and offer premium quality at an economical price.*


## Features & Benefits

- Variable deck set-up, in a pre-configured machine size, allows for the combination of side tensioned and/or modular pin & sleeve decks.
- Non-welded side plates with HUCK bolted body components promote a long machine lifecycle.
- Concentric, two-bearing (140mm) shaft assembly allows the selection of two speed and stroke combinations.

## Application

**Classifying (wet or dry)**

**OPTIONS & ACCESSORIES**

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Bearings | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| TAGG | 6' | 20' | 3 | 4" - 20 mesh | 4" minus | Up - 600 | 20° | 2 (140mm) | Grease | 3.8 - 4.2g |




Equipment • Inclined Vibrating Screens

# XL-Class

*XL-Class screens offer precisely engineered solutions for applications demanding large tonnages in combination with high reliability.*


## Features & Benefits

- Large deck sizes maximize feed rates.
- Application specific body design, supported by Finite Element Analysis (FEA), technically optimizes the design according to customer requirements.
- Bridge-mounted, exciter drive system maximizes machine reliability with extended maintenance intervals.

## Application

**Classifying (wet or dry)**

**SAG Mill Screening**

**Dewatering**

## OPTIONS & ACCESSORIES

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Bearings | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| XL | 8' | 16' | 1 - 3 | 10" - 32 mesh | 40" minus | Up to 2000 | -3 - 10° | 1 - 4 Exciters | Oil | 4.8 - 5.2g |
| | | 20' | | | | | | | | |
| | | 24' | | | | | | | | |
| | 10' | 20' | | | | Up to 3000 | | | | |
| | | 22' | | | | | | | | |
| | | 24' | | | | | | | | |
| | 12' | 24' | | | | Up to 5000 | | | | |
| | | 26' | | | | | | | | |
| | | 28' | | | | | | | | |
| | 13' | 24' + | | | | Up to 15,000 | | | | |
| | 14' | 24' + | | | | | | | | |







# L-Class

*L-Class screens are horizontal, linear motion screens built for medium duty applications.*


## Features & Benefits

- Customized with multiple deck options, according to application requirements.
- Application specific body design, supported with detachable head, provides versatility and easy maintenance.
- Double-shaft overhead drive system, with direct mounted motors, provides multiple speed and stroke combinations in a compact design.

## Application

**Classifying (wet or dry)**

**Dewatering**

## OPTIONS & ACCESSORIES

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Bearings | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| L | 6' | 16' | 1 - 3 | 4" - 20 mesh | 4" | Up to 400 | -3 - 6° | 4 (100mm) | Grease | 4.8 - 5.2g |
| | | 20' | | | | | | | | |

# UML-Class

*UML-Class screens are horizontal, linear motion screens built for light duty applications.*


## Features & Benefits

- Versatile deck set-ups are customized according to application requirements.
- Application specific body design, supported with detachable motors, provides versatility and ease of maintenance.
- Bridge-mounted, dual unbalanced motor drive system provides multiple speed and stroke combinations in a compact design.

## Application

**Classifying (wet or dry)**

**Dewatering**

### OPTIONS & ACCESSORIES

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Motors | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| UML | 4' | 8'<br>12' | 1 - 2 | 1" - 48 mesh | 1 1/2" | Up to 100 | -3 - 5° | 2 | Grease | 4.8 - 5.2g |







# S-Class

*S-Class screens are designed for fine screening of slurries or dry materials within a small footprint.*


## Features & Benefits

- Drive, shear rubber mounting system and base frame form an integral unit, while the drop-in installation maximizes up time.
- Small footprint body design fits into small spaces and reduces CAPEX.
- Oil-lubricated, single-shaft overhead drive maximizes machine reliability and extends maintenance intervals.

## Application

**Classifying**

**Slurry Screening**

### OPTIONS & ACCESSORIES

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Bearings | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| S | 3' | 6' | 1 - 2 | 1" - 48 mesh | 1 1/2" | Up to 100 | 2 - 35° | 2 (55mm) | Oil | 3.8 - 4.2g |
| | 4' | 8' | | | | Up to 150 | | | | |
| | 5' | 12' | | | | Up to 200 | | 2 (80mm) | | |

# H-Class

*H-Class screens are classic, high frequency screening systems capable of handling fine dry materials at high temperatures.*


## Features & Benefits

- Modular design, based on pre-engineered components, allows for configuration based on machine size requirements.
- Stationary body design keeps vibration concentrated to the screen cloth and increases safety.
- High frequency, variable speed drive reduces blinding with increased productivity.
- Ideal for hot applications.

## Application

**Dry Fine Screening**

**Hot Fine Screening**

**OPTIONS & ACCESSORIES**

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Motors | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| H | 4' | 5' | 1 - 3 | 3/16" - 150 mesh | 1" | Application dependant | 33 - 35° | 1 | Lifetime | 9 - 12g |
| | | 10' | | | | | | 2 | | |
| | | 15' | | | | | | 3 | | |
| | | 20' | | | | | | 4 | | |
| | 5' | 10' | | | | | | 2 | | |
| | | 15' | | | | | | 3 | | |
| | | 20' | | | | | | 4 | | |

# Fine-Line

*Fine-Line screens are high-capacity dry screening systems for fine materials.*


## Features & Benefits

- Large deck sizes maximize feed rates.
- Dust-tight and maintenance friendly body design allows for a clean working environment and maximum up time.
- High frequency, variable speed drive reduces blinding with increased productivity.

## Application

**Fine Classifying (dry)**

**OPTIONS & ACCESSORIES**

Please refer to page 142.

| Class | Width | Length | Decks | Cut Range | Top Size | Capacity in (m)tph | Inclination | Motors | Lubrication | Acceleration |
|---|---|---|---|---|---|---|---|---|---|---|
| Fine-Line | 5' | 8' | 1 - 2 | 3/16" to 270 mesh | 1/2" | Up to 150 | Variable | 4 | Lifetime | 9 - 12g |
| | | 12' | | | | | | 6 | | |
| | 10' | 8' | | | | | | 8 | | |
| | | 12' | | | | | | 12 | | |





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Equipment • Fine Vibrating Screens

# Hydro-Clean

*Hydro-Clean washing systems set new standards for cleaning contaminated materials, while minimizing consumption of water and electricity.*


## Features & Benefits

- Saves OPEX and makes permitting easier by reducing water consumption up to 75% compared to traditional washing systems.
- Modular components, designed into a small footprint, greatly reduce CAPEX while minimizing the effect on the environment.
- Sell better quality existing products at a higher price and create new products from previously unsellable material.

## Application

**Washing**

| Model | Capacity in (m) tph | Design |
|---|---|---|
| HC350 | 20 | Stationary or Portable |
| HC700 | 100 | |
| HC1000 | 200 | |
| HC2000 | 400 | |

### HOW DOES IT WORK?

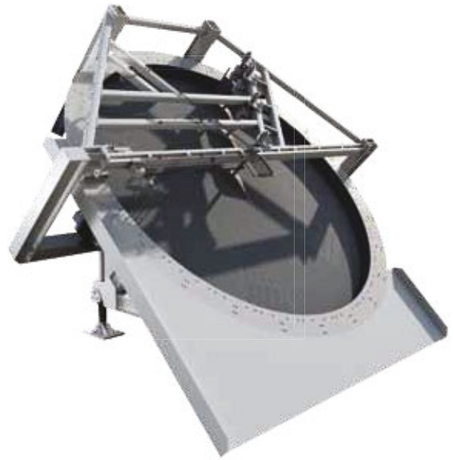
1. Dirty material is fed into the hopper.
2. The material moves from the hopper into the washing drum.
3. The washing head rotates at 90 rpm, spraying water on the material with pressure up to 2900 psi.
4. The angled spray nozzles create a shoveling effect to turn the material, washing it from all sides.
5. The material is then fed via conveyor to a vibrating screen where the final rinse process takes place.





# Scarabaeus Pelletizing Disc

*Scarabaeus pelletizing discs produce transportable and marketable pellets out of fine materials, while minimizing re-circulation loads and consumption of electricity.*



## Features & Benefits

- Adjustable inclination, disc speed and wall height delivers consistent product shape and minimizes circulation, increasing productivity and profitability.
- Greatly reduce vibrations with the proprietary frame, designed using FEA analysis.
- Energy efficient and direct drive mechanism reduces OPEX and starts quickly, even with a full load.

| Model | Diameter |
|---|---|
| SC1000 | 1.0m |
| SC2200 | 2.2m |
| SC4200 | 4.2m |
| SC7500 | 7.5m |

## Options

**Adjustable Side Wall**
Allows for on-the-fly adjustment.

**Adjustable Inclination**
Allows for on-the-fly adjustment.

**Water Supply Unit**
Pumps water to disc.

**Central Lubrication Unit**
Lubricates moving parts on the disc.

**Tungsten Scrapers**
Greater wear resistance than standard scrapers.

**Dust Cover**
Assists with dust control when utilized with client's existing dust collection system.

## Application

**Pelletizing**
- Iron Ore • Fertilizer • Salts • Fines

### HOW DOES IT WORK?

1. Mix fines with a binder and moisture in a mixer prior to pelletizing.
2. Fines mixture is fed onto the pelletizing disc.
3. As the disc turns, the mixture is formed into your desired size pellets.
4. Adjustments may be made to the side wall height, rpm, inclination, and/or moisture level to assist in achieving the desired size and consistency.
5. Once the pellets reach the desired size and consistency, they rise to the top and are discharged off the disc.
6. Pellets pass through a roller screen to ensure they meet your specifications.
7. Pellets are fired to harden and eliminate moisture.

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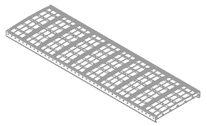
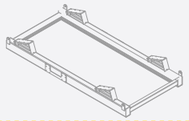
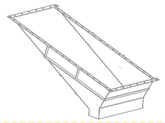
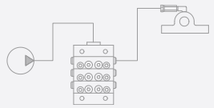
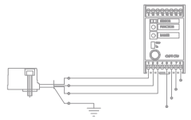
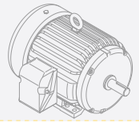
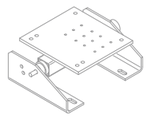
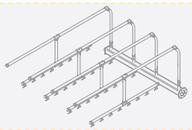
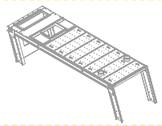
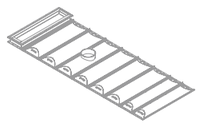
# Available Options

● = STANDARD ○ = OPTION

| | N-CLASS | F-CLASS | T-CLASS | TAGG | XL-CLASS | L-CLASS | UML-CLASS | S-CLASS | H-CLASS | FINE LINE |
|---|---|---|---|---|---|---|---|---|---|---|
|  **BALL TRAYS** Enhance the harmonics of the screen media as well as reduce blinding and pegging and ensure sharper cuts. Available for wire cloth screen media applications. Best for classification of fine and sticky material. | ○ | ○ | ○ | | ○ | ○ | ○ | ○ | | |
|  **BASE FRAME** Tyler designed base frames are available in Tubular or H-Beam models. | ● | ● | ○ | ○ | ○ | ○ | ○ | ● | | |
|  **FINES HOPPER** Located underneath the rinse screen, the fines hopper directs post-wash water to the plant's water treatment system for recycling. | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
|  **LUBRICATION SYSTEMS** Automated system supplies grease lubricant at timely intervals. | ○ | ○ | ○ | ○ | | ○ | | | | |
|  **MONITORING SYSTEMS** Detects bearing faults or possible vibrating screen faults. | ○ | ○ | ○ | ○ | ○ | ○ | | | | |
|  **MOTOR** Application-specific motor takes into account the application to determine the type and horsepower of the motor. | ○ | ○ | ○ | ○ | ● | ● | ● | ● | ● | ● |
|  **PIVOTING MOTOR SUPPORT** Stifling noise and vibrations, and is built to match motor requirements. | | | ○ | | | | | | | |
|  **SPRAY SYSTEM** Consists of a header, feeder lines and nozzles to effectively wash dirty or contaminated material during the screening process. | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | |
|  **STATIONARY DUST SEAL** To reduce dust emissions, vibrating screens can be supplied with a dust seal. | ○ | ○ | ○ | | | | | | ● | ● |
|  **TYLER PRO-DECK MEDIA** Optimizes your vibrating screen by applying the right screen media to each phase of screening. | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | |
|  **VIBRATING DUST SEAL** Mounted to the top of the screen side plates, dust covers minimize dust output. These covers are designed for lighter applications with no danger of bouncing particles to damage the covers. This feature is available in machines 6' wide or less. | | | ○ | | ○ | ○ | ○ | | | |


Equipment • Options

# SERVICES



# Vibration Analysis Service

*W.S. Tyler's vibration analysis service optimizes the efficiency of any vibrating screen.*

## Features & Benefits

- The analysis will help you understand the interaction between feed material, screen media and vibrating screen specific to your operation.
- A detailed report will contain suggested improvements and OEM recommendations to maximize your screening efficiency and minimize unscheduled downtime.
- Onsite training will give your maintenance department the skills and confidence necessary to maintain a productive operation.

### ADDITIONAL SERVICES

**Screen Installation Services I** *see page 149*

**Maintenance Service I** *see page 148*

**Rebuild Programs I** *see page 149*

### HOW DO I ORDER?

For your personal consultation, please call 1-855-978-9537 or email us at: service@wstyler.ca.

### HOW DOES IT WORK?

1. W.S. Tyler visits your site to conduct a full evaluation of your operation including screen media and vibrating screens.
2. Our technician uses our signature wireless vibration analysis system to test the speed, stroke and overall performance of your vibrating screens.
3. An easy to understand report is provided complete with recommendations to improve your vibrating screen's performance, efficiency and reduce maintenance costs.





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# Vibration Analysis Partnership Program

*The Vibration Analysis Partnership Program is a complete technology package providing you with a vibration analysis system paired with technical support, training and software.*

### WHAT IS INCLUDED WITH MY VIBRATION ANALYSIS SYSTEM?

**1.** Tyler Vibration Analysis Tool
**2.** (1) Personal Digital Assistant (PDA)
**3.** (1) PDA recharger
**4.** (8) Vibration sensors (Bluetooth)
**5.** (1) Bluetooth transmitter
**6.** (2) Recharger (for 1.5 V Battery)
**7.** (32) Rechargeable batteries
**8.** (1) Carrying bag

## Features & Benefits

- The Vibration Analysis system evaluates the speed, stroke and overall performance of your vibrating screen to ensure your product is screened according to your specifications.
- The ability to submit daily recordings to W.S. Tyler gives you immediate feedback and recommendations on the efficiency of your vibrating screens.
- Professional vibration analysis training and certification offers the most effective preventative maintenance program for your vibrating screens.

### HOW DOES IT WORK?

1. Place each of the eight accelerometers on your vibrating screen.
2. Turn the PDA on.
3. Select your machine type.
4. Turn your vibrating screen on.
5. Collect your data.
6. Download your data.
7. Email your data to va@wstyler.ca.
8. Receive a detailed report outlining your machine's performance, and recommendations to improve operations and production.

### WHAT DO I NEED TO KNOW?

1. Payments are made on a monthly basis.
2. Term of partnership is a minimum of 12 months.

# Preventative Maintenance Partnership Program

*W.S. Tyler will partner with you by regularly visiting your facility to analyze your equipment and work with your team to develop a preventative maintenance program.*

**CONTACT US**

To schedule a personal consultation, please email service@wstyler.ca or call 1-855-978-9537.

## Features & Benefits

- A certified W.S. Tyler technician will evaluate onsite screening equipment and train personnel on proper operation in accordance with the application and design parameters.
- Inspection and training is designed to increase profits and reduce future downtime.
- Review potential for upgrades to extend life span of your equipment.

# Maintenance Service

*An onsite inspection of your equipment including all screen media and parts by a W.S. Tyler certified technician who will perform repairs and maintenance as required.*

**CONTACT US**

To schedule a personal consultation, please email service@wstyler.ca or call 1-855-978-9537.

## Features & Benefits

- A certified W.S. Tyler technician will ensure equipment is running to OEM specifications to ensure optimal screening efficiency.
- Recommendations for improvement as well as tips on proper maintenance.
- Supplied parts are backed by a one year warranty, giving you confidence in its operation.







# Screen Installation Service

*A W.S. Tyler certified technician will visit your facility and professionally install your screens, perform onsite review and provide recommendations for future improvements.*

**CONTACT US**

To schedule a personal consultation, please email service@wstyler.ca or call 1-855-978-9537.

## Features & Benefits

- Onsite review of your screening process will provide better understanding of screening challenges along with tips for improvement.
- Technicians perform a personal consultation and provide useful recommendations customized to each facility.
- Each certified W.S. Tyler technician can ensure the equipment is running according to OEM specifications as well as provide tips to improve maintenance practices.

# Rebuild Program for Vibrating Screens

*A W.S. Tyler certified technician will visit your facility to inspect your vibrating screen, provide recommendations on the parts and draft a plan to rebuild your machine.*

**BEFORE**

**AFTER**

## Features & Benefits

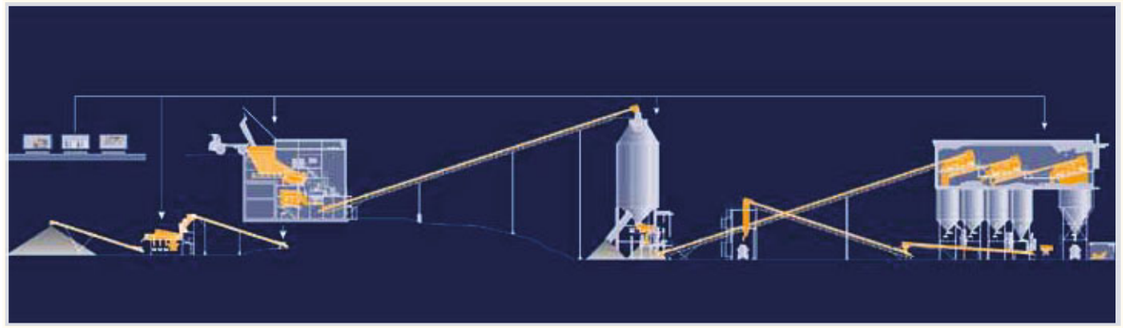
- Certified W.S. Tyler technicians rebuild your vibrating screen in a timely and economical manner to meet OEM factory specifications.
- This service is backed by a one year warranty, providing assurance.

**CONTACT US**

For a Rebuild Program consultation, please email service@wstyler.ca or call 1-855-978-9537.

# Engineered Screening Studies

*A W.S. Tyler engineer will travel to your facility to complete a full consultation of the entire screening process utilized on site.*



## Features & Benefits

- Consultation draws attention to areas where production and quality can be improved in order to implement a smoother, more efficient screening process.

### CONTACT US

For your personal consultation, please email service@wstyler.ca or call 1-855-978-9537.

### HOW DOES IT WORK?

1. Contact W.S. Tyler to outline the challenge in your current process. (i.e. Your current process does not meet required tonnage.)
2. W.S. Tyler collects information on your current process including plant layout, specifications required, current production rates and efficiency, among other parameters.
3. W.S. Tyler visits your site to confirm your current process, requirements and limitations, and collect physical data.
4. W.S. Tyler reviews your current process to determine recommendations.
5. You will receive a complete analysis paired with a professional consultation and documented recommendations.







# Pusher Puller Set

*The Pusher Puller Set is custom designed for installing and removing bearings in a vibrating screen.*

## Features & Benefits

- The complete kit of tools are specialized to each unit's bearing size, making bearing changes quick and easy.

### HOW DO I ORDER?

Please call 1-855-978-9537
or email service@wstyler.ca.

| Part Number | Key Components |
|---|---|
| 200367379 | 900 (140 mm bearing) |
| 200038674 | 1100 (160 mm bearing) |

# Huck™ Gun

*The Huck Gun is used to install huck bolts for assembling your machine.*


## Features & Benefits

- Huck Bolts join side plates, deck frames, feed boxes and body brackets in order to make assembly of the body quick and easy. The Huck Gun assures a permanent bond between all parts.

### HOW DO I ORDER?

Please call 1-855-978-9537
or email service@wstyler.ca.

| Part Number | Key Components |
|---|---|
| 201595619 | Huck Gun for 5/8" to 3/4" Huck Bolts |
| 201590676 | Huck Gun for 1" Huck Bolts |

# Torque Wrench

*The torque wrench ensures nuts and bolts are properly torqued.*

## Features & Benefits

- The torque wrench allows precise application of a specific torque, guaranteeing a safely secured bolt or nut joint.

**HOW DO I ORDER?**

Please call 1-855-978-9537
or email service@wstyler.ca.

| Part Number | Key Components |
|---|---|
| 202078708 | Torque Wrench |

# Mesh Counter

*Mesh counter is used to ensure easy, more accurate counting of screen openings.*

## Features & Benefits

- Specialized tool ensures easier reading and measuring of openings, making for more accurate counting.

**HOW DO I ORDER?**

Please call 1-855-978-9537
or email service@wstyler.ca.

| Part Number | Key Components |
|---|---|
| 202078739 | Mesh Counter |





# Caliper Gauge

*For measuring aperture width of more than 4 mm, the caliper gauge is used to accurately assess wire openings and wire diameter.*


## Features & Benefits

- Specialized tool helps measure screen section openings and wire diameter to allow for easier and more accurate readings.

**HOW DO I ORDER?**

Please call 1-855-978-9537
or email service@wstyler.ca.

| Part Number | Key Components |
|---|---|
| 202078722 | Caliper Gauge |

# Micrometer Screw

*A micrometer screw is utilized to determine the wire diameter and openings on a screen after weaving.*


## Features & Benefits

- This specialized tool provides accurate measurement and precise count.

**HOW DO I ORDER?**

Please call 1-855-978-9537
or email service@wstyler.ca.

| Part Number | Key Components |
|---|---|
| 201986752 | Micrometer |

# RESOURCES



HAVER & TYLER

# Aggregate Specifications - The Vanilla List

| Square Openings | Wire Diameter | Weight per sq. ft. | Open Area |
|---|---|---|---|
| 4" | 0.500" | 3.58 lbs | 79.0% |
| 4" | 0.625" | 5.46 lbs | 74.8% |
| 3 1/2" | 0.500" | 4.03 lbs | 76.6% |
| 3 1/4" | 0.500" | 4.31 lbs | 75.0% |
| 3" | 0.500" | 4.62 lbs | 73.5% |
| 3" | 0.625" | 7.00 lbs | 68.5% |
| 2 3/4" | 0.437" | 2.90 lbs | 77.4% |
| 2 1/2" | 0.437" | 4.22 lbs | 72.4% |
| 2 1/2" | 0.375" | 3.16 lbs | 75.6% |
| 2 1/4" | 0.375" | 3.46 lbs | 73.4% |
| 2 1/4" | 0.500" | 5.91 lbs | 66.9% |
| 2" | 0.375" | 3.84 lbs | 70.9% |
| 2" | 0.500" | 6.53 lbs | 64.0% |
| 1 3/4" | 0.312" | 3.07 lbs | 71.9% |
| 1 3/4" | 0.375" | 4.30 lbs | 67.8% |
| 1 5/8" | 0.375" | 4.59 lbs | 68.0% |
| 1 1/2" | 0.312" | 3.50 lbs | 68.5% |
| 1 1/2" | 0.375" | 4.90 lbs | 64.0% |
| 1 3/8" | 0.375" | 5.26 lbs | 61.7% |
| 1 1/4" | 0.250" | 2.70 lbs | 69.4% |
| 1 1/4" | 0.312" | 4.08 lbs | 64.0% |
| 1 1/8" | 0.225" | 2.43 lbs | 69.4% |
| 1 1/8" | 0.250" | 2.96 lbs | 66.9% |
| 1 1/8" | 0.312" | 4.45 lbs | 61.2% |
| 1 1/16" | 0.250" | 3.26 lbs | 64.0% |
| 1" | 0.207" | 2.31 lbs | 68.6% |
| 1" | 0.225" | 2.69 lbs | 66.6% |
| 1" | 0.250" | 3.26 lbs | 64.0% |
| 1" | 0.312" | 4.90 lbs | 58.0% |
| 1" | 0.375" | 6.79 lbs | 52.9% |
| 15/16" | 0.225" | 2.85 lbs | 65.0% |
| 7/8" | 0.192" | 2.25 lbs | 67.2% |
| 7/8" | 0.225" | 3.01 lbs | 63.3% |
| 7/8" | 0.250" | 3.64 lbs | 60.5% |
| 13/16" | 0.207" | 2.76 lbs | 62.1% |
| 3/4" | 0.192" | 2.56 lbs | 63.4% |
| 3/4" | 0.207" | 2.93 lbs | 61.4% |
| 11/16" | 0.192" | 2.74 lbs | 61.0% |
| 11/16" | 0.207" | 3.17 lbs | 58.9% |
| 5/8" | 0.162" | 2.18 lbs | 63.1% |
| 5/8" | 0.177" | 2.56 lbs | 60.7% |
| 5/8" | 0.192" | 2.97 lbs | 58.5% |
| 5/8" | 0.225" | 3.94 lbs | 54.0% |
| 9/16" | 0.177" | 2.81 lbs | 57.9% |
| 9/16" | 0.192" | 3.26 lbs | 55.6% |

| Square Openings | Wire Diameter | Weight per sq. ft. | Open Area |
|---|---|---|---|
| 1/2" | 0.148" | 2.22 lbs | 59.5% |
| 1/2" | 0.177" | 3.06 lbs | 54.5% |
| 1/2" | 0.192" | 3.54 lbs | 52.2% |
| 7/16" | 0.162" | 2.90 lbs | 53.2% |
| 7/16" | 0.177" | 3.40 lbs | 50.7% |
| 7/16" | 0.207" | 4.47 lbs | 46.0% |
| 3/8" | 0.080" | 0.91 lbs | 67.9% |
| 3/8" | 0.120" | 1.92 lbs | 57.4% |
| 3/8" | 0.148" | 2.79 lbs | 51.4% |
| 5/16" | 0.080" | 1.07 lbs | 63.4% |
| 5/16" | 0.092" | 1.37 lbs | 59.6% |
| 5/16" | 0.120" | 2.21 lbs | 52.2% |
| 5/16" | 0.135" | 2.72 lbs | 48.8% |
| 5/16" | 0.162" | 3.74 lbs | 43.4% |
| 1/4" | 0.072" | 1.06 lbs | 60.3% |
| 1/4" | 0.080" | 1.28 lbs | 57.4% |
| 1/4" | 0.092" | 1.64 lbs | 53.4% |
| 1/4" | 0.105" | 2.07 lbs | 49.6% |
| 1/4" | 0.120" | 2.62 lbs | 45.6% |
| 1/8" | 0.080" | 2.15 lbs | 37.2% |
| 1/8" | 0.092" | 2.71 lbs | 33.2% |
| 3/16" | 0.092" | 2.04 lbs | 45.1% |
| 3/16" | 0.120" | 3.22 lbs | 37.2% |

| Width of Opening | TY-ROD Number | Wire Diameter | Nominal Slot Length | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| 0.1250" | 9435 | .092" | 3" | 1.586 lbs | 53.1% |
| 0.1250" | 9466 | .120" | 3" | 2.460 lbs | 45.9% |
| 0.1870" | 9398 | .092" | 3" | 1.268 lbs | 62.0% |
| 0.1870" | 9396 | .120" | 3" | 2.000 lbs | 55.1% |
| 0.2500" | 8901 | .092" | 2" | 1.290 lbs | 65.8% |
| 0.2500" | 9381 | .120" | 3" | 1.715 lbs | 61.3% |
| 0.3125" | 9363 | .135" | 4" | 1.727 lbs | 64.5% |
| 0.3750" | 9350 | .148" | 4" | 1.836 lbs | 65.9% |
| 0.3750" | 9452 | .177" | 4" | 2.508 lbs | 61.4% |
| 0.4375" | 9337 | .207" | 5" | 2.932 lbs | 61.4% |
| 0.5000" | 9536 | .177" | 4" | 2.147 lbs | 67.1% |



Resources • Screening Tables

# Square Opening Screen Specifications

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 4 | 101.60 | 1 | 25.40 | 13.06 lbs | 64.0% |
| 4 | 101.60 | 3/4 | 19.05 | 7.68 lbs | 70.9% |
| 4 | 101.60 | 11/16 | 17.46 | 6.53 lbs | 72.8% |
| 4 | 101.60 | 5/8 | 15.88 | 5.46 lbs | 74.8% |
| 4 | 101.60 | 9/16 | 14.29 | 4.47 lbs | 76.9% |
| 4 | 101.60 | 1/2 | 12.70 | 3.58 lbs | 79.0% |
| 4 | 101.60 | 7/16 | 11.11 | 2.77 lbs | 81.3% |
| 4 | 101.60 | 3/8 | 9.53 | 2.07 lbs | 83.6% |
| 4 | 101.60 | 5/16 | 7.94 | 1.45 lbs | 86.0% |
| 4 | 101.60 | 0.283 | 7.19 | 1.20 lbs | 87.2% |
| 4 | 101.60 | 0.263 | 6.68 | 1.04 lbs | 88.0% |
| 4 | 101.60 | 0.250 | 6.35 | 0.94 lbs | 88.6% |
| 3 3/4 | 95.25 | 1 | 25.40 | 13.77 lbs | 62.3% |
| 3 3/4 | 95.25 | 3/4 | 19.05 | 8.11 lbs | 69.4% |
| 3 3/4 | 95.25 | 11/16 | 17.46 | 6.90 lbs | 71.4% |
| 3 3/4 | 95.25 | 5/8 | 15.88 | 5.77 lbs | 73.5% |
| 3 3/4 | 95.25 | 9/16 | 14.29 | 4.74 lbs | 75.7% |
| 3 3/4 | 95.25 | 1/2 | 12.70 | 3.79 lbs | 77.9% |
| 3 3/4 | 95.25 | 7/16 | 11.11 | 2.94 lbs | 80.2% |
| 3 3/4 | 95.25 | 3/8 | 9.53 | 2.19 lbs | 82.6% |
| 3 3/4 | 95.25 | 5/16 | 7.94 | 1.54 lbs | 85.2% |
| 3 3/4 | 95.25 | .283 | 7.19 | 1.27 lbs | 86.5% |
| 3 3/4 | 95.25 | .263 | 6.68 | 1.11 lbs | 87.3% |
| 3 3/4 | 95.25 | .250 | 6.35 | 1.00 lbs | 87.9% |
| 3 1/2 | 88.90 | 1 | 25.40 | 14.57 lbs | 60.5% |
| 3 1/2 | 88.90 | 3/4 | 19.05 | 8.60 lbs | 67.8% |
| 3 1/2 | 88.90 | 11/16 | 17.46 | 7.32 lbs | 69.9% |
| 3 1/2 | 88.90 | 5/8 | 15.88 | 6.13 lbs | 72.0% |
| 3 1/2 | 88.90 | 9/16 | 14.29 | 5.03 lbs | 74.3% |
| 3 1/2 | 88.90 | 1/2 | 12.70 | 4.03 lbs | 76.6% |
| 3 1/2 | 88.90 | 7/16 | 11.11 | 3.13 lbs | 79.0% |
| 3 1/2 | 88.90 | 3/8 | 9.53 | 2.33 lbs | 81.6% |
| 3 1/2 | 88.90 | 5/16 | 7.94 | 1.65 lbs | 84.3% |
| 3 1/2 | 88.90 | .283 | 7.19 | 1.36 lbs | 85.6% |
| 3 1/2 | 88.90 | .263 | 6.68 | 1.18 lbs | 86.5% |
| 3 1/2 | 88.90 | .250 | 6.35 | 1.07 lbs | 87.1% |
| 3 1/2 | 88.90 | .225 | 5.72 | 0.87 lbs | 88.3% |
| 3 1/2 | 88.90 | .207 | 5.26 | 0.74 lbs | 89.1% |
| 3 1/4 | 82.55 | 1 | 25.40 | 15.47 lbs | 58.5% |
| 3 1/4 | 82.55 | 3/4 | 19.05 | 9.16 lbs | 66.0% |
| 3 1/4 | 82.55 | 11/16 | 17.46 | 7.80 lbs | 68.1% |
| 3 1/4 | 82.55 | 5/8 | 15.88 | 6.54 lbs | 70.3% |
| 3 1/4 | 82.55 | 9/16 | 14.29 | 5.37 lbs | 72.6% |

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 3 1/4 | 82.55 | 1/2 | 12.70 | 4.31 lbs | 75.0% |
| 3 1/4 | 82.55 | 7/16 | 11.11 | 3.35 lbs | 77.6% |
| 3 1/4 | 82.55 | 3/8 | 9.53 | 2.50 lbs | 80.4% |
| 3 1/4 | 82.55 | 5/16 | 7.94 | 1.76 lbs | 83.2% |
| 3 1/4 | 82.55 | 0.283 | 7.19 | 1.46 lbs | 84.6% |
| 3 1/4 | 82.55 | 0.263 | 6.68 | 1.26 lbs | 85.6% |
| 3 1/4 | 82.55 | 0.25 | 6.35 | 1.15 lbs | 86.2% |
| 3 1/4 | 82.55 | 0.225 | 5.72 | 0.93 lbs | 87.5% |
| 3 1/4 | 82.55 | 0.207 | 5.26 | 0.79 lbs | 88.4% |
| 3 1/4 | 82.55 | 0.192 | 4.88 | 0.69 lbs | 89.2% |
| 3 | 76.20 | 1 | 25.40 | 16.50 lbs | 56.3% |
| 3 | 76.20 | 3/4 | 19.05 | 9.79 lbs | 64.0% |
| 3 | 76.20 | 11/16 | 17.46 | 8.35 lbs | 66.2% |
| 3 | 76.20 | 5/8 | 15.88 | 7.00 lbs | 68.5% |
| 3 | 76.20 | 9/16 | 14.29 | 5.76 lbs | 70.9% |
| 3 | 76.20 | 1/2 | 12.70 | 4.62 lbs | 73.5% |
| 3 | 76.20 | 7/16 | 11.11 | 3.59 lbs | 76.2% |
| 3 | 76.20 | 3/8 | 9.53 | 2.68 lbs | 79.0% |
| 3 | 76.20 | 5/16 | 7.94 | 1.90 lbs | 82.0% |
| 3 | 76.20 | 0.283 | 7.19 | 1.57 lbs | 83.5% |
| 3 | 76.20 | 0.263 | 6.68 | 1.36 lbs | 84.5% |
| 3 | 76.20 | 0.25 | 6.35 | 1.23 lbs | 85.2% |
| 3 | 76.20 | 0.225 | 5.72 | 1.01 lbs | 86.5% |
| 3 | 76.20 | 0.207 | 5.26 | 0.86 lbs | 87.5% |
| 3 | 76.20 | 0.192 | 4.88 | 0.74 lbs | 88.3% |
| 3 | 76.20 | 0.177 | 4.50 | 0.63 lbs | 89.2% |
| 3 | 76.20 | 0.162 | 4.11 | 0.53 lbs | 90.0% |
| 2 3/4 | 69.85 | 1 | 25.40 | 17.67 lbs | 53.7% |
| 2 3/4 | 69.85 | 3/4 | 19.05 | 10.52 lbs | 61.7% |
| 2 3/4 | 69.85 | 11/16 | 17.46 | 8.98 lbs | 64.0% |
| 2 3/4 | 69.85 | 5/8 | 15.88 | 7.54 lbs | 66.4% |
| 2 3/4 | 69.85 | 9/16 | 14.29 | 6.20 lbs | 68.9% |
| 2 3/4 | 69.85 | 1/2 | 12.70 | 4.98 lbs | 71.6% |
| 2 3/4 | 69.85 | 7/16 | 11.11 | 3.88 lbs | 74.4% |
| 2 3/4 | 69.85 | 3/8 | 9.53 | 2.90 lbs | 77.4% |
| 2 3/4 | 69.85 | 5/16 | 7.94 | 2.05 lbs | 80.6% |
| 2 3/4 | 69.85 | 0.283 | 7.19 | 1.70 lbs | 82.2% |
| 2 3/4 | 69.85 | 0.263 | 6.68 | 1.48 lbs | 83.3% |
| 2 3/4 | 69.85 | 0.25 | 6.35 | 1.34 lbs | 84.0% |
| 2 3/4 | 69.85 | 0.225 | 5.72 | 1.09 lbs | 85.4% |
| 2 3/4 | 69.85 | 0.207 | 5.26 | 0.93 lbs | 86.5% |
| 2 3/4 | 69.85 | 0.192 | 4.88 | 0.80 lbs | 87.4% |
| 2 3/4 | 69.85 | 0.177 | 4.50 | 0.69 lbs | 88.3% |





HAVER & TYLER

Resources • Screening Tables

# Square Opening Screen Specifications

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 2 3/4 | 69.85 | 0.162 | 4.11 | 0.58 lbs | 89.2% |
| 2 3/4 | 69.85 | 0.148 | 3.76 | 0.48 lbs | 90.0% |
| 2 1/2 | 63.50 | 1 | 25.40 | 19.02 lbs | 51.0% |
| 2 1/2 | 63.50 | 0.750 | 19.05 | 11.37 lbs | 59.2% |
| 2 1/2 | 63.50 | 11/16 | 17.46 | 9.71 lbs | 61.5% |
| 2 1/2 | 63.50 | 5/8 | 15.88 | 8.16 lbs | 64.0% |
| 2 1/2 | 63.50 | 9/16 | 14.29 | 6.72 lbs | 66.6% |
| 2 1/2 | 63.50 | 1/2 | 12.70 | 5.41 lbs | 69.4% |
| 2 1/2 | 63.50 | 7/16 | 11.11 | 4.22 lbs | 72.4% |
| 2 1/2 | 63.50 | 3/8 | 9.53 | 3.16 lbs | 75.6% |
| 2 1/2 | 63.50 | 5/16 | 7.94 | 2.24 lbs | 79.0% |
| 2 1/2 | 63.50 | 0.283 | 7.19 | 1.85 lbs | 80.7% |
| 2 1/2 | 63.50 | 0.263 | 6.68 | 1.61 lbs | 81.9% |
| 2 1/2 | 63.50 | 0.25 | 6.35 | 1.46 lbs | 82.6% |
| 2 1/2 | 63.50 | 0.225 | 5.72 | 1.19 lbs | 84.2% |
| 2 1/2 | 63.50 | 0.207 | 5.26 | 1.02 lbs | 85.3% |
| 2 1/2 | 63.50 | 0.192 | 4.88 | 0.88 lbs | 86.2% |
| 2 1/2 | 63.50 | 0.177 | 4.50 | 0.75 lbs | 87.2% |
| 2 1/2 | 63.50 | 0.162 | 4.11 | 0.63 lbs | 88.2% |
| 2 1/2 | 63.50 | 0.148 | 3.76 | 0.53 lbs | 89.1% |
| 2 1/4 | 57.15 | 1.000 | 25.40 | 20.61 lbs | 47.9% |
| 2 1/4 | 57.15 | 3/4 | 19.05 | 12.37 lbs | 56.2% |
| 2 1/4 | 57.15 | 0.563 | 17.46 | 10.58 lbs | 58.7% |
| 2 1/4 | 57.15 | 5/8 | 15.68 | 8.90 lbs | 61.2% |
| 2 1/4 | 57.15 | 9/16 | 14.29 | 7.34 lbs | 64.0% |
| 2 1/4 | 57.15 | 1/2 | 12.70 | 5.91 lbs | 66.9% |
| 2 1/4 | 57.15 | 7/16 | 11.11 | 4.62 lbs | 70.1% |
| 2 1/4 | 57.15 | 3/8 | 9.53 | 3.46 lbs | 73.4% |
| 2 1/4 | 57.15 | 5/16 | 7.94 | 2.46 lbs | 77.1% |
| 2 1/4 | 57.15 | 0.283 | 7.19 | 2.04 lbs | 78.9% |
| 2 1/4 | 57.15 | 0.263 | 6.68 | 1.77 lbs | 80.2% |
| 2 1/4 | 57.15 | 0.25 | 6.35 | 1.61 lbs | 81.0% |
| 2 1/4 | 57.15 | 0.225 | 5.72 | 1.31 lbs | 82.6% |
| 2 1/4 | 57.15 | 0.207 | 5.26 | 1.12 lbs | 83.9% |
| 2 1/4 | 57.15 | 0.192 | 4.88 | 0.97 lbs | 84.9% |
| 2 1/4 | 57.15 | 0.177 | 4.50 | 0.83 lbs | 85.9% |
| 2 1/4 | 57.15 | 0.162 | 4.11 | 0.70 lbs | 87.0% |
| 2 1/4 | 57.15 | 0.148 | 3.76 | 0.59 lbs | 88.0% |
| 2 1/4 | 57.15 | 0.135 | 3.43 | 0.49 lbs | 89.0% |
| 2 | 50.80 | 1.000 | 25.40 | 22.49 lbs | 44.4% |
| 2 | 50.80 | 3/4 | 19.05 | 13.57 lbs | 52.9% |
| 2 | 50.80 | 11/16 | 17.46 | 11.62 lbs | 55.4% |
| 2 | 50.80 | 5/8 | 15.88 | 9.79 lbs | 58.0% |

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 2 | 50.80 | 9/16 | 14.29 | 8.090 lbs | 60.9% |
| 2 | 50.80 | 1/2 | 12.70 | 6.530 lbs | 64.0% |
| 2 | 50.80 | 7/16 | 11.11 | 5.110 lbs | 67.3% |
| 2 | 50.80 | 3/8 | 9.53 | 3.840 lbs | 70.9% |
| 2 | 50.80 | 5/16 | 7.94 | 2.730 lbs | 74.8% |
| 2 | 50.80 | 0.283 | 7.19 | 2.260 lbs | 76.7% |
| 2 | 50.80 | 0.263 | 6.68 | 1.970 lbs | 78.1% |
| 2 | 50.80 | 0.25 | 6.35 | 1.790 lbs | 79.0% |
| 2 | 50.80 | 0.225 | 5.72 | 1.460 lbs | 80.8% |
| 2 | 50.80 | 0.207 | 5.26 | 1.250 lbs | 82.1% |
| 2 | 50.80 | 0.192 | 4.88 | 1.080 lbs | 83.2% |
| 2 | 50.80 | 0.177 | 4.50 | 0.920 lbs | 84.4% |
| 2 | 50.80 | 0.162 | 4.11 | 0.780 lbs | 85.6% |
| 2 | 50.80 | 0.148 | 3.76 | 0.650 lbs | 86.7% |
| 2 | 50.80 | 0.135 | 3.43 | 0.550 lbs | 87.8% |
| 2 | 50.80 | 0.12 | 3.05 | 0.440 lbs | 89.0% |
| 1 3/4 | 44.45 | 1 | 25.40 | 24.76 lbs | 40.5% |
| 1 3/4 | 44.45 | 3/4 | 19.05 | 15.03 lbs | 49.0% |
| 1 3/4 | 44.45 | 11/16 | 17.46 | 12.90 lbs | 51.6% |
| 1 3/4 | 44.45 | 5/8 | 15.88 | 10.88 lbs | 54.3% |
| 1 3/4 | 44.45 | 9/16 | 14.29 | 9.010 lbs | 57.3% |
| 1 3/4 | 44.45 | 1/2 | 12.70 | 7.290 lbs | 60.5% |
| 1 3/4 | 44.45 | 7/16 | 11.11 | 5.710 lbs | 64.0% |
| 1 3/4 | 44.45 | 3/8 | 9.53 | 4.300 lbs | 67.8% |
| 1 3/4 | 44.45 | 5/16 | 7.94 | 3.070 lbs | 71.9% |
| 1 3/4 | 44.45 | 0.288 | 7.19 | 2.550 lbs | 74.1% |
| 1 3/4 | 44.45 | 0.268 | 6.68 | 2.220 lbs | 75.6% |
| 1 3/4 | 44.45 | 0.25 | 6.35 | 2.020 lbs | 76.6% |
| 1 3/4 | 44.45 | 0.225 | 5.72 | 1.650 lbs | 78.5% |
| 1 3/4 | 44.45 | 0.207 | 5.26 | 1.410 lbs | 80.0% |
| 1 3/4 | 44.45 | 0.192 | 4.88 | 1.220 lbs | 81.2% |
| 1 3/4 | 44.45 | 0.177 | 4.50 | 1.040 lbs | 82.5% |
| 1 3/4 | 44.45 | 0.162 | 4.11 | 0.880 lbs | 83.8% |
| 1 3/4 | 44.45 | 0.148 | 3.76 | 0.740 lbs | 85.0% |
| 1 3/4 | 44.45 | 0.135 | 3.43 | 0.620 lbs | 86.2% |
| 1 3/4 | 44.45 | 0.12 | 3.05 | 0.490 lbs | 87.6% |
| 1 1/2 | 38.10 | 1 | 25.40 | 27.57 lbs | 36.0% |
| 1 1/2 | 38.10 | 3/4 | 19.05 | 16.86 lbs | 44.4% |
| 1 1/2 | 88.10 | 11/16 | 17.46 | 14.50 lbs | 47.0% |
| 1 1/2 | 38.10 | 5/8 | 15.88 | 12.27 lbs | 49.8% |
| 1 1/2 | 38.10 | 9/16 | 14.29 | 10.18 lbs | 52.8% |
| 1 1/2 | 38.10 | 1/2 | 12.70 | 8.250 lbs | 56.3% |
| 1 1/2 | 38.10 | 7/16 | 11.11 | 6.480 lbs | 59.9% |





HAVER & TYLER

Resources • Screening Tables

# Square Opening Screen Specifications

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 1 1/2 | 38.10 | 3/8 | 9.53 | 4.90 lbs | 64.0% |
| 1 1/2 | 38.10 | 5/16 | 7.94 | 3.50 lbs | 68.5% |
| 1 1/2 | 38.10 | 0.283 | 7.19 | 2.91 lbs | 70.8% |
| 1 1/2 | 38.10 | 0.263 | 6.68 | 2.54 lbs | 72.4% |
| 1 1/2 | 38.10 | 0.250 | 6.35 | 2.31 lbs | 73.4% |
| 1 1/2 | 38.10 | 0.225 | 5.72 | 1.89 lbs | 75.6% |
| 1 1/2 | 38.10 | 0.207 | 5.26 | 1.62 lbs | 77.2% |
| 1 1/2 | 38.10 | 0.192 | 4.88 | 1.40 lbs | 78.6% |
| 1 1/2 | 38.10 | 0.177 | 4.50 | 1.20 lbs | 80.0% |
| 1 1/2 | 38.10 | 0.162 | 4.11 | 1.02 lbs | 81.5% |
| 1 1/2 | 38.10 | 0.148 | 3.76 | 0.85 lbs | 82.8% |
| 1 1/2 | 38.10 | 0.135 | 3.43 | 0.72 lbs | 84.2% |
| 1 1/2 | 38.10 | 0.120 | 3.05 | 0.57 lbs | 85.7% |
| 1 3/8 | 34.93 | 0.750 | 19.05 | 17.97 lbs | 41.9% |
| 1 3/8 | 34.93 | 11/16 | 17.46 | 15.47 lbs | 44.4% |
| 1 3/8 | 34.93 | 5/8 | 15.88 | 13.10 lbs | 47.3% |
| 1 3/8 | 34.93 | 9/16 | 14.29 | 10.88 lbs | 50.4% |
| 1 3/8 | 34.93 | 1/2 | 12.70 | 8.83 lbs | 53.8% |
| 1 3/8 | 34.93 | 7/16 | 11.11 | 6.95 lbs | 57.6% |
| 1 3/8 | 34.93 | 3/8 | 9.53 | 5.26 lbs | 61.7% |
| 1 3/8 | 34.93 | 5/16 | 7.94 | 3.77 lbs | 66.4% |
| 1 3/8 | 34.93 | 0.283 | 7.19 | 3.14 lbs | 68.8% |
| 1 3/8 | 34.93 | 0.263 | 6.68 | 2.74 lbs | 70.5% |
| 1 3/8 | 34.93 | 0.25 | 6.35 | 2.49 lbs | 71.6% |
| 1 3/8 | 34.93 | 0.225 | 5.72 | 2.04 lbs | 73.9% |
| 1 3/8 | 34.93 | 0.207 | 5.26 | 1.75 lbs | 75.6% |
| 1 3/8 | 34.93 | 0.192 | 4.88 | 1.52 lbs | 77.0% |
| 1 3/8 | 34.93 | 0.177 | 4.50 | 1.30 lbs | 78.5% |
| 1 3/8 | 34.93 | 0.162 | 4.11 | 1.10 lbs | 80.0% |
| 1 3/8 | 34.93 | 0.148 | 3.76 | 0.92 lbs | 81.5% |
| 1 3/8 | 34.93 | 0.135 | 3.43 | 0.78 lbs | 82.9% |
| 1 3/8 | 34.93 | 0.120 | 3.05 | 0.62 lbs | 84.6% |
| 1 1/4 | 31.75 | 3/4 | 19.05 | 19.22 lbs | 39.1% |
| 1 1/4 | 31.75 | 11/16 | 17.46 | 16.57 lbs | 41.6% |
| 1 1/4 | 31.75 | 5/8 | 15.88 | 14.06 lbs | 44.4% |
| 1 1/4 | 31.75 | 9/16 | 14.29 | 11.70 lbs | 47.5% |
| 1 1/4 | 31.75 | 1/2 | 12.70 | 9.51 lbs | 51.0% |
| 1 1/4 | 31.75 | 7/16 | 11.11 | 7.50 lbs | 54.8% |
| 1 1/4 | 31.75 | 3/8 | 9.53 | 5.69 lbs | 59.2% |
| 1 1/4 | 31.75 | 5/16 | 7.94 | 4.08 lbs | 64.0% |
| 1 1/4 | 31.75 | 0.283 | 7.19 | 3.40 lbs | 66.5% |
| 1 1/4 | 31.75 | 0.263 | 6.68 | 2.97 lbs | 68.3% |
| 1 1/4 | 31.75 | 0.250 | 6.35 | 2.70 lbs | 69.4% |

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 1 1/4 | 31.75 | 0.225 | 5.72 | 2.22 lbs | 71.8% |
| 1 1/4 | 31.75 | 0.207 | 5.26 | 1.90 lbs | 73.6% |
| 1 1/4 | 31.75 | 0.192 | 4.88 | 1.65 lbs | 75.1% |
| 1 1/4 | 31.75 | 0.177 | 4.50 | 1.42 lbs | 76.7% |
| 1 1/4 | 31.75 | 0.162 | 4.11 | 1.20 lbs | 78.4% |
| 1 1/4 | 31.75 | 0.148 | 3.76 | 1.01 lbs | 79.9% |
| 1 1/4 | 31.75 | 0.135 | 3.43 | 0.85 lbs | 81.5% |
| 1 1/4 | 31.75 | 0.120 | 3.05 | 0.68 lbs | 83.2% |
| 1 1/4 | 31.75 | 0.105 | 2.67 | 0.52 lbs | 85.1% |
| 1 1/8 | 28.58 | 3/4 | 19.05 | 20.68 lbs | 36.0% |
| 1 1/8 | 28.58 | 0.688 | 17.46 | 17.86 lbs | 38.5% |
| 1 1/8 | 28.58 | 5/8 | 15.88 | 15.17 lbs | 41.3% |
| 1 1/8 | 28.58 | 9/16 | 14.29 | 12.65 lbs | 44.4% |
| 1 1/8 | 28.58 | 1/2 | 12.70 | 10.30 lbs | 47.9% |
| 1 1/8 | 28.58 | 7/16 | 11.11 | 8.14 lbs | 51.8% |
| 1 1/8 | 28.58 | 3/8 | 9.53 | 6.19 lbs | 56.3% |
| 1 1/8 | 28.58 | 5/16 | 7.94 | 4.45 lbs | 61.2% |
| 1 1/8 | 28.58 | 0.283 | 7.19 | 3.71 lbs | 63.8% |
| 1 1/8 | 28.58 | 0.263 | 6.68 | 3.25 lbs | 65.7% |
| 1 1/8 | 28.58 | 0.250 | 6.35 | 2.96 lbs | 66.9% |
| 1 1/8 | 28.58 | 0.225 | 5.72 | 2.43 lbs | 69.4% |
| 1 1/8 | 28.58 | 0.207 | 5.26 | 2.08 lbs | 71.3% |
| 1 1/8 | 28.58 | 0.192 | 4.88 | 1.81 lbs | 73.0% |
| 1 1/8 | 28.58 | 0.177 | 4.50 | 1.55 lbs | 74.7% |
| 1 1/8 | 28.58 | 0.162 | 4.11 | 1.32 lbs | 76.4% |
| 1 1/8 | 28.58 | 0.148 | 3.76 | 1.11 lbs | 78.1% |
| 1 1/8 | 28.56 | 0.135 | 3.43 | 0.93 lbs | 79.7% |
| 1 1/8 | 28.58 | 0.12 | 3.05 | 0.74 lbs | 81.7% |
| 1 1/8 | 28.58 | 0.105 | 2.67 | 0.58 lbs | 83.7% |
| 1 1/8 | 28.58 | 0.092 | 2.34 | 0.45 lbs | 86.5% |
| 1 | 25.40 | 3/4 | 19.05 | 22.38 lbs | 32.6% |
| 1 | 25.40 | 11/16 | 17.46 | 19.37 lbs | 35.1% |
| 1 | 25.40 | 5/8 | 15.88 | 16.49 lbs | 37.9% |
| 1 | 25.40 | 9/16 | 14.29 | 13.78 lbs | 41.0% |
| 1 | 25.40 | 1/2 | 12.70 | 11.25 lbs | 44.4% |
| 1 | 25.40 | 7/16 | 11.11 | 8.91 lbs | 48.4% |
| 1 | 25.40 | 3/8 | 9.53 | 6.79 lbs | 52.9% |
| 1 | 25.40 | 5/16 | 7.94 | 4.90 lbs | 58.0% |
| 1 | 25.40 | 0.283 | 7.19 | 4.09 lbs | 60.8% |
| 1 | 25.40 | 0.263 | 6.68 | 3.58 lbs | 62.7% |
| 1 | 25.40 | 0.250 | 6.35 | 3.26 lbs | 64.0% |
| 1 | 25.40 | 0.225 | 5.72 | 2.69 lbs | 66.6% |
| 1 | 25.40 | 0.207 | 5.26 | 2.31 lbs | 68.6% |





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Resources • Screening Tables

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# Square Opening Screen Specifications

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 1 | 25.40 | 0.192 | 4.88 | 2.01 lbs | 70.4% |
| 1 | 25.40 | 0.177 | 4.50 | 1.72 lbs | 72.2% |
| 1 | 25.40 | 0.162 | 4.11 | 1.46 lbs | 74.0% |
| 1 | 25.40 | 0.148 | 3.76 | 1.23 lbs | 75.9% |
| 1 | 25.40 | 0.135 | 3.43 | 1.04 lbs | 77.6% |
| 1 | 25.40 | 0.120 | 3.05 | 0.83 lbs | 79.7% |
| 1 | 25.40 | 0.105 | 2.67 | 0.64 lbs | 81.9% |
| 1 | 25.40 | 0.092 | 2.34 | 0.50 lbs | 83.9% |
| 1 | 25.40 | 0.080 | 2.03 | 0.38 lbs | 85.7% |
| 7/8 | 22.23 | 5/8 | 15.88 | 18.06 lbs | 34.0% |
| 7/8 | 22.23 | 9/16 | 14.29 | 15.13 lbs | 37.0% |
| 7/8 | 22.23 | 1/2 | 12.70 | 12.38 lbs | 40.5% |
| 7/8 | 22.23 | 7/16 | 11.11 | 9.84 lbs | 44.4% |
| 7/8 | 22.23 | 3/8 | 9.53 | 7.52 lbs | 49.0% |
| 7/8 | 22.23 | 5/16 | 7.94 | 5.44 lbs | 54.3% |
| 7/8 | 22.23 | 0.283 | 7.19 | 4.55 lbs | 57.1% |
| 7/8 | 22.23 | 0.263 | 6.68 | 3.99 lbs | 59.1% |
| 7/8 | 22.23 | 0.250 | 6.35 | 3.64 lbs | 60.5% |
| 7/8 | 22.23 | 0.225 | 5.72 | 3.01 lbs | 63.3% |
| 7/8 | 22.33 | 0.207 | 5.26 | 2.58 lbs | 65.3% |
| 7/8 | 22.23 | 0.192 | 4.88 | 2.25 lbs | 67.2% |
| 7/8 | 22.23 | 0.177 | 4.50 | 1.93 lbs | 69.2% |
| 7/8 | 22.23 | 0.162 | 4.11 | 1.64 lbs | 71.2% |
| 7/8 | 22.23 | 0.148 | 3.76 | 1.38 lbs | 73.5% |
| 7/8 | 22.23 | 0.135 | 3.43 | 1.17 lbs | 75.1% |
| 7/8 | 22.23 | 0.120 | 3.05 | 0.93 lbs | 77.3% |
| 7/8 | 22.23 | 0.105 | 2.67 | 0.72 lbs | 79.7% |
| 7/8 | 22.23 | 0.092 | 2.34 | 0.56 lbs | 81.9% |
| 7/8 | 22.23 | 0.080 | 2.03 | 0.43 lbs | 83.9% |
| 3/4 | 19.05 | 5/8 | 15.88 | 19.98 lbs | 29.7% |
| 3/4 | 19.05 | 9/16 | 14.29 | 16.79 lbs | 32.6% |
| 3/4 | 19.05 | 1/2 | 12.70 | 13.79 lbs | 36.0% |
| 3/4 | 19.05 | 7/16 | 11.11 | 11.00 lbs | 39.9% |
| 3/4 | 19.05 | 3/8 | 9.53 | 8.44 lbs | 44.4% |
| 3/4 | 19.05 | 5/16 | 7.94 | 6.13 lbs | 49.8% |
| 3/4 | 19.05 | 0.283 | 7.19 | 5.15 lbs | 52.7% |
| 3/4 | 19.05 | 0.263 | 6.68 | 4.52 lbs | 54.8% |
| 3/4 | 19.05 | 0.250 | 6.35 | 4.12 lbs | 56.3% |
| 3/4 | 19.05 | 0.225 | 5.72 | 3.41 lbs | 59.2% |
| 3/4 | 19.05 | 0.207 | 5.26 | 2.93 lbs | 61.4% |
| 3/4 | 19.05 | 0.192 | 4.88 | 2.56 lbs | 63.4% |
| 3/4 | 19.05 | 0.177 | 4.50 | 2.20 lbs | 65.5% |
| 3/4 | 19.05 | 0.162 | 4.11 | 1.87 lbs | 67.6% |

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 3/4 | 19.05 | 0.148 | 3.76 | 1.58 lbs | 69.8% |
| 3/4 | 19.05 | 0.135 | 3.43 | 1.33 lbs | 71.8% |
| 3/4 | 19.05 | 0.120 | 3.05 | 1.07 lbs | 74.3% |
| 3/4 | 19.05 | 0.105 | 2.67 | 0.83 lbs | 76.9% |
| 3/4 | 19.05 | 0.092 | 2.34 | 0.65 lbs | 79.3% |
| 3/4 | 19.05 | 0.080 | 2.03 | 0.50 lbs | 81.7% |
| 5/8 | 15.88 | 9/16 | 14.29 | 18.87 lbs | 27.7% |
| 5/8 | 15.88 | 1/2 | 12.70 | 15.57 lbs | 30.9% |
| 5/8 | 15.88 | 7/16 | 11.11 | 12.47 lbs | 34.6% |
| 5/8 | 15.88 | 3/8 | 9.53 | 9.61 lbs | 39.1% |
| 5/8 | 15.88 | 5/16 | 7.94 | 7.03 lbs | 44.4% |
| 5/8 | 15.88 | 0.283 | 7.19 | 5.91 lbs | 47.4% |
| 5/8 | 15.88 | 0.263 | 6.68 | 5.20 lbs | 49.5% |
| 5/8 | 15.88 | 0.250 | 6.35 | 4.76 lbs | 51.0% |
| 5/8 | 15.88 | 0.225 | 5.72 | 3.94 lbs | 54.0% |
| 5/8 | 15.88 | 0.207 | 5.26 | 3.40 lbs | 56.4% |
| 5/8 | 15.88 | 0.192 | 4.88 | 2.97 lbs | 58.5% |
| 5/8 | 15.88 | 0.177 | 4.50 | 2.56 lbs | 60.7% |
| 5/8 | 15.88 | 0.162 | 4.11 | 2.18 lbs | 63.1% |
| 5/8 | 15.88 | 0.148 | 3.76 | 1.85 lbs | 65.4% |
| 5/8 | 15.88 | 0.135 | 3.43 | 1.56 lbs | 67.6% |
| 5/8 | 15.88 | 0.120 | 3.05 | 1.25 lbs | 70.3% |
| 5/8 | 15.88 | 0.105 | 2.67 | 0.98 lbs | 73.4% |
| 5/8 | 15.88 | 0.092 | 2.34 | 0.76 lbs | 76.0% |
| 5/8 | 15.88 | 0.080 | 2.03 | 0.58 lbs | 78.6% |
| 5/8 | 15.88 | 0.072 | 1.83 | 0.48 lbs | 80.4% |
| 5/8 | 15.88 | 0.063 | 1.60 | 0.37 lbs | 82.5% |
| 1/2 | 12.70 | 1/2 | 12.70 | 16.96 lbs | 25.0% |
| 1/2 | 12.70 | 7/16 | 11.11 | 14.42 lbs | 28.4% |
| 1/2 | 12.70 | 3/8 | 9.53 | 11.19 lbs | 32.7% |
| 1/2 | 12.70 | 5/16 | 7.94 | 8.24 lbs | 37.9% |
| 1/2 | 12.70 | 0.283 | 7.19 | 6.96 lbs | 40.8% |
| 1/2 | 12.70 | 0.263 | 6.68 | 6.14 lbs | 42.9% |
| 1/2 | 12.70 | 0.250 | 6.35 | 5.62 lbs | 44.4% |
| 1/2 | 12.70 | 0.225 | 5.72 | 4.68 lbs | 47.5% |
| 1/2 | 12.70 | 0.207 | 5.26 | 4.04 lbs | 49.8% |
| 1/2 | 12.70 | 0.192 | 4.88 | 3.54 lbs | 52.2% |
| 1/2 | 12.70 | 0.177 | 4.50 | 3.06 lbs | 54.5% |
| 1/2 | 12.70 | 0.162 | 4.11 | 2.61 lbs | 57.1% |
| 1/2 | 12.70 | 0.148 | 3.76 | 2.22 lbs | 59.5% |
| 1/2 | 12.70 | 0.135 | 3.48 | 1.88 lbs | 62.0% |
| 1/2 | 12.70 | 0.120 | 3.05 | 1.51 lbs | 65.0% |
| 1/2 | 12.70 | 0.105 | 2.67 | 1.18 lbs | 68.3% |



Resources • Screening Tables

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# Square Opening Screen Specifications

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 1/2 | 12.70 | 0.092 | 2.34 | 0.930 lbs | 71.3% |
| 1/2 | 12.70 | 0.080 | 2.03 | 0.711 lbs | 74.3% |
| 1/2 | 12.70 | 0.072 | 1.83 | 0.580 lbs | 76.4% |
| 1/2 | 12.70 | 0.063 | 1.60 | 0.450 lbs | 78.9% |
| 7/16 | 11.11 | 7/16 | 11.11 | 15.400 lbs | 25.0% |
| 7/16 | 11.11 | 0.375 | 9.53 | 12.200 lbs | 29.0% |
| 7/16 | 11.11 | 5/16 | 7.94 | 9.030 lbs | 34.0% |
| 7/16 | 11.11 | 0.283 | 7.19 | 7.640 lbs | 36.9% |
| 7/16 | 11.11 | 0.263 | 6.68 | 6.750 lbs | 39.0% |
| 7/16 | 11.11 | 0.250 | 6.35 | 6.190 lbs | 40.5% |
| 7/16 | 11.11 | 0.225 | 5.72 | 5.160 lbs | 43.6% |
| 7/16 | 11.11 | 0.207 | 5.26 | 4.470 lbs | 46.0% |
| 7/16 | 11.11 | 0.192 | 4.88 | 3.920 lbs | 48.3% |
| 7/16 | 11.11 | 0.177 | 4.50 | 3.400 lbs | 50.7% |
| 7/16 | 11.11 | 0.162 | 4.11 | 2.900 lbs | 53.2% |
| 7/16 | 11.11 | 0.148 | 3.76 | 2.470 lbs | 55.8% |
| 7/16 | 11.11 | 0.135 | 3.43 | 2.090 lbs | 58.4% |
| 7/16 | 11.11 | 0.120 | 3.05 | 1.690 lbs | 61.5% |
| 7/16 | 11.11 | 0.105 | 2.67 | 1.330 lbs | 65.0% |
| 7/16 | 11.11 | 0.092 | 2.34 | 1.040 lbs | 68.3% |
| 7/16 | 11.11 | 0.080 | 2.03 | 0.800 lbs | 71.5% |
| 7/16 | 11.11 | 0.072 | 1.83 | 0.660 lbs | 73.7% |
| 7/16 | 11.11 | 0.063 | 1.60 | 0.510 lbs | 76.4% |
| 3/8 | 9.53 | 3/8 | 9.53 | 13.200 lbs | 25.0% |
| 3/8 | 9.53 | 5/16 | 7.94 | 9.990 lbs | 29.7% |
| 3/8 | 9.53 | 0.283 | 7.19 | 8.480 lbs | 32.5% |

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 3/8 | 9.53 | 0.263 | 6.68 | 7.51 lbs | 34.5% |
| 3/8 | 9.53 | 0.250 | 6.35 | 6.89 lbs | 36.0% |
| 3/8 | 9.53 | 0.225 | 5.72 | 5.77 lbs | 39.0% |
| 3/8 | 9.53 | 0.207 | 5.26 | 5.00 lbs | 41.5% |
| 3/8 | 9.53 | 0.192 | 4.88 | 4.39 lbs | 43.8% |
| 3/8 | 9.53 | 0.177 | 4.50 | 3.82 lbs | 46.1% |
| 3/8 | 9.53 | 0.162 | 4.11 | 3.27 lbs | 48.7% |
| 3/8 | 9.53 | 0.148 | 3.76 | 2.79 lbs | 51.4% |
| 3/8 | 9.53 | 0.135 | 3.43 | 2.37 lbs | 54.1% |
| 3/8 | 9.53 | 0.120 | 3.05 | 1.92 lbs | 57.4% |
| 3/8 | 9.53 | 0.105 | 2.67 | 1.51 lbs | 61.0% |
| 3/8 | 9.53 | 0.092 | 2.34 | 1.18 lbs | 64.5% |
| 3/8 | 9.53 | 0.080 | 2.03 | 0.91 lbs | 67.9% |
| 3/8 | 9.53 | 0.072 | 1.83 | 0.75 lbs | 70.4% |
| 3/8 | 9.53 | 0.063 | 1.60 | 0.59 lbs | 73.3% |
| 3/8 | 9.53 | 0.054 | 1.37 | 0.44 lbs | 76.4% |
| 5/16 | 7.94 | 0.263 | 6.68 | 8.46 lbs | 29.5% |
| 5/16 | 7.94 | 0.250 | 6.35 | 7.78 lbs | 30.9% |
| 5/16 | 7.94 | 0.225 | 5.72 | 6.53 lbs | 33.8% |
| 5/16 | 7.94 | 0.207 | 5.26 | 5.68 lbs | 36.2% |
| 5/16 | 7.94 | 0.192 | 4.88 | 5.00 lbs | 38.4% |
| 5/16 | 7.94 | 0.177 | 4.50 | 4.36 lbs | 40.8% |
| 5/16 | 7.94 | 0.162 | 4.11 | 3.74 lbs | 43.4% |
| 5/16 | 7.94 | 0.148 | 3.76 | 3.20 lbs | 46.0% |
| 5/16 | 7.94 | 0.135 | 3.43 | 2.72 lbs | 48.8% |
| 5/16 | 7.94 | 0.120 | 3.05 | 2.21 lbs | 52.2% |



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# Square Opening Screen Specifications

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 5/16 | 7.94 | 0.105 | 2.67 | 1.74 lbs | 56.0% |
| 5/16 | 7.94 | 0.092 | 2.34 | 1.37 lbs | 59.6% |
| 5/16 | 7.94 | 0.080 | 2.03 | 1.07 lbs | 63.4% |
| 5/16 | 7.94 | 0.072 | 1.83 | 0.88 lbs | 66.1% |
| 5/16 | 7.94 | 0.063 | 1.60 | 0.69 lbs | 69.3% |
| 5/16 | 7.94 | 0.054 | 1.37 | 0.51 lbs | 72.7% |
| 1/4 | 6.35 | 0.250 | 6.35 | 8.95 lbs | 25.0% |
| 1/4 | 6.35 | 0.225 | 5.72 | 7.55 lbs | 27.7% |
| 1/4 | 6.35 | 0.207 | 5.26 | 6.59 lbs | 29.9% |
| 1/4 | 6.35 | 0.192 | 4.88 | 5.82 lbs | 32.0% |
| 1/4 | 6.35 | 0.177 | 4.50 | 5.08 lbs | 34.3% |
| 1/4 | 6.35 | 0.162 | 4.11 | 4.38 lbs | 36.8% |
| 1/4 | 6.35 | 0.148 | 3.76 | 3.76 lbs | 39.4% |
| 1/4 | 6.35 | 0.135 | 3.43 | 3.21 lbs | 42.2% |
| 1/4 | 6.35 | 0.120 | 3.05 | 2.62 lbs | 45.6% |
| 1/4 | 6.35 | 0.105 | 2.67 | 2.07 lbs | 49.6% |
| 1/4 | 6.35 | 0.092 | 2.34 | 1.64 lbs | 53.4% |
| 1/4 | 6.35 | 0.080 | 2.03 | 1.28 lbs | 57.4% |
| 1/4 | 6.35 | 0.072 | 1.83 | 1.06 lbs | 60.3% |
| 1/4 | 6.35 | 0.063 | 1.60 | 0.83 lbs | 63.8% |
| 1/4 | 6.35 | 0.054 | 1.37 | 0.62 lbs | 67.6% |
| 1/4 | 6.35 | 0.047 | 1.19 | 0.48 lbs | 70.9% |
| 3/16 | 4.76 | 0.192 | 4.88 | 6.97 lbs | 24.4% |
| 3/16 | 4.76 | 0.177 | 4.50 | 6.12 lbs | 26.5% |

| Clear Opening or Space | | Diameter of Rod or Wire | | Steel Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|
| Inches | Millimeters | Inches | Millimeters | | |
| 3/16 | 4.76 | 0.162 | 4.11 | 5.30 lbs | 28.8% |
| 3/16 | 4.76 | 0.148 | 3.76 | 4.57 lbs | 31.3% |
| 3/16 | 4.76 | 0.135 | 3.43 | 3.92 lbs | 33.8% |
| 3/16 | 4.76 | 0.120 | 3.05 | 3.22 lbs | 37.2% |
| 3/16 | 4.76 | 0.105 | 2.67 | 2.56 lbs | 41.1% |
| 3/16 | 4.76 | 0.092 | 2.34 | 2.04 lbs | 45.1% |
| 3/16 | 4.76 | 0.080 | 2.03 | 1.60 lbs | 49.1% |
| 3/16 | 4.76 | 0.072 | 1.83 | 1.33 lbs | 52.2% |
| 3/16 | 4.76 | 0.063 | 1.60 | 1.05 lbs | 56.0% |
| 3/16 | 4.76 | 0.054 | 1.37 | 0.79 lbs | 60.3% |
| 3/16 | 4.76 | 0.047 | 1.19 | 0.62 lbs | 63.9% |
| 3/16 | 4.76 | 0.041 | 1.04 | 0.48 lbs | 67.3% |
| 1/8 | 3.18 | 0.135 | 3.43 | 4.98 lbs | 23.1% |
| 1/8 | 3.18 | 0.120 | 3.05 | 4.19 lbs | 26.0% |
| 1/8 | 3.18 | 0.105 | 2.67 | 3.37 lbs | 29.5% |
| 1/8 | 3.18 | 0.092 | 2.34 | 2.71 lbs | 33.2% |
| 1/8 | 3.18 | 0.080 | 2.03 | 2.15 lbs | 37.2% |
| 1/8 | 3.18 | 0.072 | 1.83 | 1.79 lbs | 40.3% |
| 1/8 | 3.18 | 0.063 | 1.60 | 1.43 lbs | 44.2% |
| 1/8 | 3.18 | 0.054 | 1.37 | 1.09 lbs | 48.8% |
| 1/8 | 3.18 | 0.047 | 1.19 | 0.85 lbs | 52.8% |
| 1/8 | 3.18 | 0.041 | 1.04 | 0.67 lbs | 56.7% |
| 1/8 | 3.18 | 0.035 | 0.89 | 0.50 lbs | 61.0% |
| 1/8 | 3.18 | 0.032 | 0.81 | 0.43 lbs | 63.4% |



Resources • Screening Tables

# Square Mesh Screen Specifications

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| Center to Center of wire (cc) | Inches | Millimeters | Inches | Millimeters | | |
| 1" cc* | 0.331 | 8.410 | 0.6690 | 16.99 | 7.387 lbs | 44.8% |
| 1" cc* | 0.307 | 7.800 | 0.6930 | 17.60 | 6.312 lbs | 48.0% |
| 1" cc* | 0.283 | 7.190 | 0.7170 | 18.21 | 5.328 lbs | 51.4% |
| 1" cc* | 0.263 | 6.680 | 0.7370 | 18.72 | 4.579 lbs | 64.3% |
| 1" cc* | 0.250 | 6.350 | 0.7500 | 19.05 | 4.124 lbs | 56.3% |
| 1" cc* | 0.225 | 5.720 | 0.7750 | 19.68 | 3.321 lbs | 60.1% |
| 1 cc* | 0.207 | 5.260 | 0.7930 | 20.14 | 2.801 lbs | 62.9% |
| 1 cc* | 0.192 | 4.880 | 0.8080 | 20.52 | 2.403 lbs | 65.3% |
| 1 cc* | 0.177 | 4.500 | 0.8230 | 20.90 | 2.037 lbs. | 67.7% |
| 1 cc* | 0.162 | 4.110 | 0.8380 | 21.29 | 1.702 lbs | 70.2% |
| 1 cc* | 0.148 | 3.760 | 0.8520 | 21.64 | 1.417 lbs | 72.6% |
| 1 cc* | 0.135 | 3.430 | 0.8650 | 21.97 | 1.177 lbs | 74.8% |
| 1" cc* | 0.120 | 3.050 | 0.8800 | 22.35 | 0.928 lbs | 77.4% |
| 1" cc* | 0.105 | 2.670 | 0.8950 | 22.73 | 0.710 lbs | 80.1% |
| 1" cc* | 0.092 | 2.340 | 0.9080 | 23.06 | 0.544 lbs | 82.4% |
| 1" cc* | 0.080 | 2.030 | 0.9200 | 23.37 | 0.411 lbs | 84.6% |
| 1" cc* | 0.072 | 1.830 | 0.9280 | 23.57 | 0.333 lbs | 86.1% |
| 1" cc* | 0.063 | 1.600 | 0.9370 | 23.80 | 0.255 lbs | 87.8% |
| 3/4" cc* | 0.307 | 7.800 | 0.4430 | 11.25 | 8.054 lbs | 34.9% |
| 3/4" cc* | 0.283 | 7.190 | 0.4670 | 11.86 | 7.303 lbs | 38.8% |
| 3/4" cc* | 0.263 | 6.680 | 0.4870 | 12.37 | 6.256 lbs | 42.1% |
| 3/4" cc* | 0.250 | 6.350 | 0.5000 | 12.70 | 5.623 lbs | 44.4% |
| 3/4" cc* | 0.225 | 5.720 | 0.5250 | 13.34 | 4.510 lbs | 49.0% |
| 3/4" cc* | 0.207 | 5.260 | 0.5430 | 13.79 | 3.794 lbs | 52.4% |
| 3/4" cc* | 0.192 | 4.880 | 0.5580 | 14.17 | 3.248 lbs | 55.3% |
| 3/4" cc* | 0.177 | 4.500 | 0.5730 | 14.55 | 2.747 lbs | 58.3% |
| 3/4" cc* | 0.162 | 4.110 | 0.5880 | 14.94 | 2.292 lbs | 61.4% |
| 3/4" cc* | 0.148 | 3.760 | 0.6020 | 15.29 | 1.905 lbs | 64.4% |
| 3/4" cc* | 0.135 | 3.430 | 0.6150 | 15.62 | 1.581 lbs | 67.2% |
| 3/4" cc* | 0.120 | 3.050 | 0.6300 | 16.00 | 1.244 lbs | 70.5% |
| 3/4" cc* | 0.105 | 2.670 | 0.6450 | 16.38 | 0.950 lbs | 73.9% |
| 3/4" cc* | 0.092 | 2.340 | 0.6580 | 16.71 | 0.728 lbs | 76.9% |
| 3/4" cc* | 0.080 | 2.030 | 0.6700 | 17.02 | 0.549 lbs | 79.8% |
| 3/4" cc* | 0.072 | 1.830 | 0.6780 | 17.22 | 0.445 lbs | 81.7% |
| 3/4" cc* | 0.063 | 1.600 | 0.6870 | 17.45 | 0.340 lbs | 83.9% |
| 3/4" cc* | 0.054 | 1.370 | 0.6960 | 17.68 | 0.249 lbs | 86.1% |
| 5/8" cc* | 0.283 | 7.190 | 0.3420 | 8.69 | 9.004 lbs | 30.0% |
| 5/8" cc* | 0.263 | 6.680 | 0.3620 | 9.19 | 7.686 lbs | 33.5% |
| 5/8" cc* | 0.250 | 6.350 | 0.3750 | 9.53 | 6.894 lbs | 36.0% |
| 5/8" cc* | 0.225 | 5.720 | 0.4000 | 10.16 | 5.510 lbs | 41.0% |
| 5/8" cc* | 0.207 | 5.260 | 0.4180 | 10.62 | 4.624 lbs | 44.7% |
| 5/8" cc* | 0.192 | 4.880 | 0.4330 | 11.00 | 3.950 lbs | 48.0% |
| 5/8" cc* | 0.177 | 4.500 | 0.4480 | 11.38 | 3.335 lbs | 51.4% |

*** Under 2 mesh is measured in inches cc.**

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| Center to Center of wire (cc) | Inches | Millimeters | Inches | Millimeters | | |
| 5/8" cc* | 0.162 | 4.110 | 0.4630 | 11.76 | 2.777 lbs | 54.9% |
| 5/8" cc* | 0.148 | 3.760 | 0.4770 | 12.12 | 2.305 lbs | 58.3% |
| 5/8" cc* | 0.135 | 3.430 | 0.4900 | 12.45 | 1.910 lbs | 61.5% |
| 5/8" cc* | 0.120 | 3.050 | 0.5050 | 12.83 | 1.502 lbs | 65.3% |
| 5/8" cc* | 0.105 | 2.670 | 0.5200 | 13.21 | 1.145 lbs | 69.2% |
| 5/8" cc* | 0.092 | 2.340 | 0.5330 | 13.54 | 0.879 lbs | 72.7% |
| 5/8" cc* | 0.080 | 2.030 | 0.5450 | 13.84 | 0.661 lbs | 76.0% |
| 5/8" cc* | 0.072 | 1.830 | 0.5530 | 14.05 | 0.535 lbs | 78.3% |
| 5/8" cc* | 0.063 | 1.600 | 0.5620 | 14.27 | 0.409 lbs | 80.9% |
| 5/8" cc* | 0.054 | 1.370 | 0.5710 | 14.50 | 0.300 lbs | 83.5% |
| 5/8" cc* | 0.047 | 1.190 | 0.5780 | 14.68 | 0.227 lbs | 85.5% |
| 2 mesh | 0.250 | 6.350 | 0.2500 | 6.35 | 8.946 lbs | 25.0% |
| 2 mesh | 0.225 | 5.720 | 0.2750 | 6.99 | 7.106 lbs | 30.3% |
| 2 mesh | 0.207 | 5.260 | 0.2930 | 7.44 | 5.938 lbs | 34.3% |
| 2 mesh | 0.192 | 4.880 | 0.3080 | 7.82 | 5.055 lbs | 37.9% |
| 2 mesh | 0.177 | 4.500 | 0.3230 | 8.20 | 4.254 lbs | 41.7% |
| 2 mesh | 0.162 | 4.110 | 0.3380 | 8.59 | 3.533 lbs | 45.7% |
| 2 mesh | 0.148 | 3.760 | 0.3520 | 8.94 | 2.924 lbs | 49.6% |
| 2 mesh | 0.135 | 3.430 | 0.3650 | 9.27 | 2.417 lbs | 53.3% |
| 2 mesh | 0.120 | 3.050 | 0.3800 | 9.65 | 1.896 lbs | 57.8% |
| 2 mesh | 0.105 | 2.670 | 0.3950 | 10.03 | 1.442 lbs | 62.4% |
| 2 mesh | 0.092 | 2.340 | 0.4080 | 10.36 | 1.102 lbs | 66.6% |
| 2 mesh | 0.080 | 2.030 | 0.4200 | 10.67 | 0.830 lbs | 70.6% |
| 2 mesh | 0.072 | 1.830 | 0.4280 | 10.87 | 0.671 lbs | 73.3% |
| 2 mesh | 0.063 | 1.600 | 0.4370 | 11.10 | 0.512 lbs | 76.4% |
| 2 mesh | 0.054 | 1.370 | 0.4460 | 11.33 | 0.376 lbs | 79.6% |
| 2 mesh | 0.047 | 1.190 | 0.4530 | 11.51 | 0.284 lbs | 82.1% |
| 2 mesh | 0.041 | 1.040 | 0.4590 | 11.66 | 0.216 lbs | 84.3% |
| 2 mesh | 0.035 | 0.890 | 0.4650 | 11.81 | 0.157 lbs | 86.5% |
| 2 1/4 mesh | 0.225 | 5.720 | 0.2190 | 5.56 | 8.171 lbs | 24.3% |
| 2 1/4 mesh | 0.207 | 5.260 | 0.2370 | 6.02 | 6.809 lbs | 28.4% |
| 2 1/4 mesh | 0.192 | 4.880 | 0.2520 | 6.40 | 5.784 lbs | 32.2% |
| 2 1/4 mesh | 0.177 | 4.500 | 0.2670 | 6.78 | 4.857 lbs | 36.1% |
| 2 1/4 mesh | 0.162 | 4.110 | 0.2820 | 7.16 | 4.023 lbs | 40.3% |
| 2 1/4 mesh | 0.148 | 3.760 | 0.2960 | 7.52 | 3.325 lbs | 44.4% |
| 2 1/4 mesh | 0.135 | 3.430 | 0.3090 | 7.85 | 2.743 lbs | 48.3% |
| 2 1/4 mesh | 0.120 | 3.050 | 0.3240 | 8.23 | 2.148 lbs | 53.1% |
| 2 1/4 mesh | 0.105 | 2.670 | 0.3390 | 8.61 | 1.632 lbs | 58.2% |
| 2 1/4 mesh | 0.092 | 2.340 | 0.3520 | 8.94 | 1.245 lbs | 62.7% |
| 2 1/4 mesh | 0.080 | 2.030 | 0.3640 | 9.25 | 0.937 lbs | 67.1% |
| 2 1/4 mesh | 0.072 | 1.830 | 0.3720 | 9.45 | 0.757 lbs | 70.1% |
| 2 1/4 mesh | 0.063 | 1.600 | 0.3810 | 9.68 | 0.578 lbs | 73.5% |
| 2 1/4 mesh | 0.054 | 1.370 | 0.3900 | 9.91 | 0.423 lbs | 77.0% |
| 2 1/4 mesh | 0.047 | 1.190 | 0.3970 | 10.08 | 0.320 lbs | 79.8% |





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Resources • Screening Tables

# Square Mesh Screen Specifications

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 2 1/4 mesh | 0.041 | 1.040 | 0.4030 | 10.24 | 0.243 lbs | 82.2% |
| 2 1/4 mesh | 0.035 | 0.890 | 0.4090 | 10.39 | 0.177 lbs | 84.7% |
| 2 1/2 mesh | 0.225 | 5.720 | 0.1750 | 4.45 | 9.293 lbs | 19.1% |
| 2 1/2 mesh | 0.207 | 5.260 | 0.1930 | 4.90 | 7.722 lbs | 23.3% |
| 2 1/2 mesh | 0.192 | 4.880 | 0.2080 | 5.28 | 6.544 lbs | 27.0% |
| 2 1/2 mesh | 0.177 | 4.500 | 0.2230 | 5.66 | 5.482 lbs | 31.1% |
| 2 1/2 mesh | 0.162 | 4.110 | 0.2380 | 6.05 | 4.531 lbs | 35.4% |
| 2 1/2 mesh | 0.148 | 3.760 | 0.2520 | 6.40 | 3.737 lbs | 39.7% |
| 2 1/2 mesh | 0.135 | 3.430 | 0.2650 | 6.73 | 3.078 lbs | 43.9% |
| 2 1/2 mesh | 0.120 | 3.050 | 0.2800 | 7.11 | 2.406 lbs | 49.0% |
| 2 1/2 mesh | 0.105 | 2.670 | 0.2950 | 7.49 | 1.824 lbs | 54.4% |
| 2 1/2 mesh | 0.092 | 2.340 | 0.3080 | 7.82 | 1.390 lbs | 59.3% |
| 2 1/2 mesh | 0.080 | 2.030 | 0.3200 | 8.13 | 1.044 lbs | 64.0% |
| 2 1/2 mesh | 0.072 | 1.830 | 0.3280 | 8.33 | 0.843 lbs | 67.2% |
| 2 1/2 mesh | 0.063 | 1.600 | 0.3370 | 8.56 | 0.643 lbs | 71.0% |
| 2 1/2 mesh | 0.054 | 1.370 | 0.3460 | 8.79 | 0.471 lbs | 74.8% |
| 2 1/2 mesh | 0.047 | 1.190 | 0.3530 | 8.97 | 0.356 lbs | 77.9% |
| 2 1/2 mesh | 0.041 | 1.040 | 0.3590 | 9.12 | 0.270 lbs | 80.6% |
| 2 1/2 mesh | 0.035 | 0.890 | 0.3650 | 9.27 | 0.197 lbs | 83.3% |
| 2 3/4 mesh | 0.177 | 4.500 | 0.1870 | 4.75 | 6.134 lbs | 26.4% |
| 2 3/4 mesh | 0.162 | 4.110 | 0.2020 | 5.13 | 5.058 lbs | 30.9% |
| 2 3/4 mesh | 0.148 | 3.760 | 0.2160 | 5.49 | 4.163 lbs | 35.3% |
| 2 3/4 mesh | 0.135 | 3.430 | 0.2290 | 5.82 | 3.422 lbs | 39.7% |
| 2 3/4 mesh | 0.120 | 3.050 | 0.2440 | 6.20 | 2.670 lbs | 45.0% |
| 2 3/4 mesh | 0.105 | 2.670 | 0.2590 | 6.58 | 2.020 lbs | 50.7% |
| 2 3/4 mesh | 0.092 | 2.340 | 0.2720 | 6.91 | 1.537 lbs | 56.0% |
| 2 3/4 mesh | 0.080 | 2.030 | 0.2840 | 7.21 | 1.153 lbs | 61.0% |
| 2 3/4 mesh | 0.072 | 1.830 | 0.2920 | 7.42 | 0.930 lbs | 64.5% |
| 2 3/4 mesh | 0.063 | 1.600 | 0.3010 | 7.65 | 0.709 lbs | 68.5% |
| 2 3/4 mesh | 0.054 | 1.370 | 0.3100 | 7.87 | 0.519 lbs | 72.7% |
| 2 3/4 mesh | 0.047 | 1.190 | 0.3170 | 8.05 | 0.392 lbs | 76.0% |
| 2 3/4 mesh | 0.041 | 1.040 | 0.3230 | 8.20 | 0.298 lbs | 78.9% |
| 2 3/4 mesh | 0.035 | 0.890 | 0.3290 | 8.36 | 0.217 lbs | 81.9% |
| 3 mesh | 0.162 | 4.110 | 0.1710 | 4.34 | 5.604 lbs | 26.3% |
| 3 mesh | 0.148 | 3.760 | 0.1850 | 4.70 | 4.602 lbs | 30.8% |
| 3 mesh | 0.135 | 3.430 | 0.1980 | 5.03 | 3.760 lbs | 35.3% |
| 3 mesh | 0.120 | 3.050 | 0.2130 | 5.41 | 2.939 lbs | 40.8% |
| 3 mesh | 0.105 | 2.670 | 0.2280 | 5.79 | 2.220 lbs | 46.8% |
| 3 mesh | 0.092 | 2.340 | 0.2410 | 6.12 | 1.687 lbs | 52.3% |
| 3 mesh | 0.080 | 2.030 | 0.2530 | 6.43 | 1.264 lbs | 57.6% |
| 3 mesh | 0.072 | 1.830 | 0.2610 | 6.63 | 1.019 lbs | 61.3% |
| 3 mesh | 0.063 | 1.600 | 0.2700 | 6.86 | 0.776 lbs | 65.6% |
| 3 mesh | 0.054 | 1.370 | 0.2790 | 7.09 | 0.567 lbs | 70.1% |

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 3 mesh | 0.047 | 1.190 | 0.2860 | 7.26 | 0.428 lbs | 73.6% |
| 3 mesh | 0.041 | 1.040 | 0.2920 | 7.42 | 0.325 lbs | 76.7% |
| 3 mesh | 0.035 | 0.890 | 0.2980 | 7.57 | 0.237 lbs | 79.9% |
| 3 mesh | 0.032 | 0.810 | 0.3010 | 7.65 | 0.197 lbs | 81.5% |
| 3 1/4 mesh | 0.148 | 3.760 | 0.1600 | 4.06 | 5.056 lbs | 27.0% |
| 3 1/4 mesh | 0.135 | 3.430 | 0.1730 | 4.39 | 4.140 lbs | 31.6% |
| 3 1/4 mesh | 0.120 | 5.050 | 0.1880 | 4.78 | 3.216 lbs | 37.5% |
| 3 1/4 mesh | 0.105 | 2.670 | 0.2030 | 5.16 | 2.424 lbs | 43.5% |
| 3 1/4 mesh | 0.092 | 2.340 | 0.2160 | 5.49 | 1.838 lbs | 49.3% |
| 3 1/4 mesh | 0.080 | 2.030 | 0.2280 | 5.79 | 1.376 lbs | 54.9% |
| 3 1/4 mesh | 0.072 | 1.830 | 0.2360 | 5.99 | 1.108 lbs | 58.8% |
| 3 1/4 mesh | 0.063 | 1.600 | 0.2450 | 6.22 | 0.843 lbs | 63.4% |
| 3 1/4 mesh | 0.054 | 1.370 | 0.2540 | 6.45 | 0.616 lbs | 68.1% |
| 3 1/4 mesh | 0.047 | 1.190 | 0.2610 | 6.63 | 0.465 lbs | 72.0% |
| 3 1/4 mesh | 0.041 | 1.040 | 0.2670 | 6.78 | 0.353 lbs | 75.3% |
| 3 1/4 mesh | 0.035 | 0.890 | 0.2730 | 6.93 | 0.256 lbs | 78.7% |
| 3 1/4 mesh | 0.032 | 0.810 | 0.2760 | 7.01 | 0.214 lbs | 80.5% |
| 3 1/2 mesh | 0.148 | 3.760 | 0.1380 | 3.51 | 5.250 lbs | 23.3% |
| 3 1/2 mesh | 0.135 | 3.430 | 0.1510 | 3.84 | 4.290 lbs | 27.9% |
| 3 1/2 mesh | 0.120 | 3.050 | 0.1660 | 4.22 | 3.499 lbs | 33.8% |
| 3 1/2 mesh | 0.105 | 2.670 | 0.1810 | 4.60 | 2.632 lbs | 40.1% |
| 3 1/2 mesh | 0.092 | 2.340 | 0.1940 | 4.93 | 1.993 lbs | 46.1% |
| 3 1/2 mesh | 0.080 | 2.030 | 0.2060 | 5.23 | 1.489 lbs | 52.0% |
| 3 1/2 mesh | 0.072 | 1.830 | 0.2140 | 5.44 | 1.198 lbs | 56.1% |
| 3 1/2 mesh | 0.063 | 1.600 | 0.2230 | 5.66 | 0.911 lbs | 60.9% |
| 3 1/2 mesh | 0.054 | 1.370 | 0.2320 | 5.89 | 0.665 lbs | 65.9% |
| 3 1/2 mesh | 0.047 | 1.190 | 0.2390 | 6.07 | 0.502 lbs | 70.0% |
| 3 1/2 mesh | 0.041 | 1.040 | 0.2450 | 6.22 | 0.381 lbs | 73.5% |
| 3 1/2 mesh | 0.035 | 0.890 | 0.2510 | 6.38 | 0.276 lbs | 77.2% |
| 3 1/2 mesh | 0.032 | 0.810 | 0.2540 | 6.45 | 0.231 lbs | 79.0% |
| 3 3/4 mesh | 0.148 | 3.760 | 0.1190 | 3.02 | 5.713 lbs | 19.9% |
| 3 3/4 mesh | 0.135 | 3.430 | 0.1320 | 3.35 | 4.659 lbs | 24.5% |
| 3 3/4 mesh | 0.120 | 3.050 | 0.1470 | 3.73 | 3.601 lbs | 30.4% |
| 3 3/4 mesh | 0.105 | 2.670 | 0.1620 | 4.11 | 2.845 lbs | 36.9% |
| 3 3/4 mesh | 0.092 | 2.340 | 0.1750 | 4.45 | 2.150 lbs | 43.1% |
| 3 3/4 mesh | 0.080 | 2.030 | 0.1870 | 4.75 | 1.604 lbs | 49.2% |
| 3 3/4 mesh | 0.072 | 1.830 | 0.1950 | 4.95 | 1.289 lbs | 53.5% |
| 3 3/4 mesh | 0.063 | 1.600 | 0.2040 | 5.18 | 0.979 lbs | 58.5% |
| 3 3/4 mesh | 0.054 | 1.370 | 0.2130 | 5.41 | 0.714 lbs | 63.8% |
| 3 3/4 mesh | 0.047 | 1.190 | 0.2200 | 5.59 | 0.538 lbs | 68.1% |
| 3 3/4 mesh | 0.041 | 1.040 | 0.2260 | 5.74 | 0.408 lbs | 71.8% |
| 3 3/4 mesh | 0.035 | 0.890 | 0.2320 | 5.89 | 0.297 lbs | 75.7% |
| 3 3/4 mesh | 0.032 | 0.810 | 0.2350 | 5.97 | 0.248 lbs | 77.7% |





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# Square Mesh Screen Specifications

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 4 mesh | 0.148 | 3.760 | 0.1020 | 2.59 | 6.191 lbs | 16.6% |
| 4 mesh | 0.135 | 3.430 | 0.1150 | 2.92 | 5.038 lbs | 21.2% |
| 4 mesh | 0.120 | 3.050 | 0.1300 | 3.30 | 3.886 lbs | 27.0% |
| 4 mesh | 0.105 | 2.670 | 0.1450 | 3.68 | 3.062 lbs | 33.6% |
| 4 mesh | 0.092 | 2.340 | 0.1580 | 4.01 | 2.310 lbs | 39.9% |
| 4 mesh | 0.080 | 2.030 | 0.1700 | 4.32 | 1.721 lbs | 46.2% |
| 4 mesh | 0.072 | 1.830 | 0.1780 | 4.52 | 1.382 lbs | 50.7% |
| 4 mesh | 0.063 | 1.600 | 0.1870 | 4.75 | 1.048 lbs | 56.0% |
| 4 mesh | 0.054 | 1.370 | 0.1960 | 4.98 | 0.764 lbs | 61.5% |
| 4 mesh | 0.047 | 1.190 | 0.2030 | 5.16 | 0.576 lbs | 65.9% |
| 4 mesh | 0.041 | 1.040 | 0.2090 | 5.31 | 0.436 lbs | 69.9% |
| 4 mesh | 0.035 | 0.890 | 0.2150 | 5.46 | 0.317 lbs | 74.0% |
| 4 mesh | 0.032 | 0.810 | 0.2180 | 5.54 | 0.264 lbs | 76.0% |
| 4 mesh | 0.028 | 0.710 | 0.2220 | 5.64 | 0.202 lbs | 78.9% |
| 4 mesh | 0.025 | 0.640 | 0.2250 | 5.72 | 0.161 lbs | 81.0% |
| 4 1/2 mesh | 0.120 | 3.050 | 0.1020 | 2.59 | 4.479 lbs | 21.1% |
| 4 1/2 mesh | 0.105 | 2.670 | 0.1170 | 2.97 | 3.337 lbs | 27.7% |
| 4 1/2 mesh | 0.092 | 2.340 | 0.1300 | 3.30 | 2.639 lbs | 34.2% |
| 4 1/2 mesh | 0.080 | 2.030 | 0.1420 | 3.61 | 1.959 lbs | 40.8% |
| 4 1/2 mesh | 0.072 | 1.830 | 0.1500 | 3.81 | 1.570 lbs | 45.6% |
| 4 1/2 mesh | 0.063 | 1.600 | 0.1590 | 4.04 | 1.189 lbs | 51.2% |
| 4 1/2 mesh | 0.054 | 1.370 | 0.1680 | 4.27 | 0.864 lbs | 57.2% |
| 4 1/2 mesh | 0.047 | 1.190 | 0.1750 | 4.45 | 0.650 lbs | 62.0% |
| 4 1/2 mesh | 0.041 | 1.040 | 0.1810 | 4.60 | 0.492 lbs | 66.3% |
| 4 1/2 mesh | 0.035 | 0.890 | 0.1870 | 4.75 | 0.357 lbs | 70.8% |
| 4 1/2 mesh | 0.032 | 0.810 | 0.1900 | 4.83 | 0.298 lbs | 73.1% |
| 4 1/2 mesh | 0.028 | 0.710 | 0.1940 | 4.93 | 0.228 lbs | 76.2% |
| 4 1/2 mesh | 0.025 | 0.640 | 0.1970 | 5.00 | 0.181 lbs | 78.6% |
| 5 mesh | 0.120 | 3.050 | 0.0800 | 2.03 | 5.106 lbs | 16.0% |
| 5 mesh | 0.105 | 2.670 | 0.0950 | 2.41 | 3.787 lbs | 22.6% |
| 5 mesh | 0.092 | 2.340 | 0.1080 | 2.74 | 2.834 lbs | 29.2% |
| 5 mesh | 0.080 | 2.030 | 0.1200 | 3.05 | 2.206 lbs | 36.0% |
| 5 mesh | 0.072 | 1.830 | 0.1280 | 3.25 | 1.764 lbs | 41.0% |
| 5 mesh | 0.063 | 1.600 | 0.1370 | 3.48 | 1.332 lbs | 46.9% |
| 5 mesh | 0.054 | 1.370 | 0.1460 | 3.71 | 0.967 lbs | 53.3% |
| 5 mesh | 0.047 | 1.190 | 0.1530 | 3.89 | 0.726 lbs | 58.5% |
| 5 mesh | 0.041 | 1.040 | 0.1590 | 4.04 | 0.549 lbs | 63.2% |
| 5 mesh | 0.035 | 0.890 | 0.1650 | 4.19 | 0.398 lbs | 68.1% |
| 5 mesh | 0.032 | 0.810 | 0.1680 | 4.27 | 0.332 lbs | 70.6% |
| 5 mesh | 0.028 | 0.710 | 0.1720 | 4.37 | 0.253 lbs | 74.0% |
| 5 mesh | 0.025 | 0.640 | 0.1750 | 4.45 | 0.202 lbs | 76.6% |
| 5 mesh | 0.023 | 0.580 | 0.1770 | 4.50 | 0.170 lbs | 78.3% |
| 5 1/2 mesh | 0.105 | 2.670 | 0.0770 | 1.96 | 4.483 lbs | 17.9% |

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| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 5 1/2 mesh | 0.092 | 2.340 | 0.0900 | 2.290 | 3.173 lbs | 24.5% |
| 5 1/2 mesh | 0.080 | 2.030 | 0.1020 | 2.590 | 2.339 lbs | 31.5% |
| 5 1/2 mesh | 0.072 | 1.830 | 0.1100 | 2.790 | 1.963 lbs | 36.6% |
| 5 1/2 mesh | 0.063 | 1.600 | 0.1190 | 3.020 | 1.479 lbs | 42.8% |
| 5 1/2 mesh | 0.054 | 1.370 | 0.1280 | 3.250 | 1.071 lbs | 49.6% |
| 5 1/2 mesh | 0.047 | 1.190 | 0.1350 | 3.430 | 0.803 lbs | 55.1% |
| 5 1/2 mesh | 0.041 | 1.040 | 0.1410 | 3.580 | 0.607 lbs | 60.1% |
| 5 1/2 mesh | 0.035 | 0.890 | 0.1470 | 3.730 | 0.439 lbs | 65.4% |
| 5 1/2 mesh | 0.032 | 0.810 | 0.1500 | 3.810 | 0.366 lbs | 68.1% |
| 5 1/2 mesh | 0.028 | 0.710 | 0.1540 | 3.910 | 0.279 lbs | 71.7% |
| 5 1/2 mesh | 0.025 | 0.640 | 0.1570 | 3.990 | 0.222 lbs | 74.6% |
| 5 1/2 mesh | 0.023 | 0.580 | 0.1590 | 4.040 | 0.188 lbs | 76.6% |
| 6 mesh | 0.092 | 2.340 | 0.0750 | 1.910 | 3.528 lbs | 20.2% |
| 6 mesh | 0.080 | 2.030 | 0.0870 | 2.210 | 2.591 lbs | 27.2% |
| 6 mesh | 0.072 | 1.830 | 0.0950 | 2.410 | 2.169 lbs | 32.5% |
| 6 mesh | 0.063 | 1.600 | 0.1040 | 2.640 | 1.630 lbs | 38.9% |
| 6 mesh | 0.054 | 1.370 | 0.1130 | 2.870 | 1.177 lbs | 46.0% |
| 6 mesh | 0.047 | 1.190 | 0.1200 | 3.050 | 0.882 lbs | 51.8% |
| 6 mesh | 0.041 | 1.040 | 0.1260 | 3.200 | 0.665 lbs | 57.2% |
| 6 mesh | 0.035 | 0.890 | 0.1320 | 3.350 | 0.481 lbs | 62.7% |
| 6 mesh | 0.032 | 0.810 | 0.1350 | 3.430 | 0.400 lbs | 65.6% |
| 6 mesh | 0.028 | 0.710 | 0.1390 | 3.530 | 0.305 lbs | 69.6% |
| 6 mesh | 0.025 | 0.640 | 0.1420 | 3.610 | 0.243 lbs | 72.6% |
| 6 mesh | 0.023 | 0.580 | 0.1440 | 3.660 | 0.205 lbs | 74.7% |
| 6 mesh | 0.020 | 0.510 | 0.1470 | 3.730 | 0.155 lbs | 77.8% |
| 6 1/2 mesh | 0.092 | 2.340 | 0.0620 | 1.570 | 3.899 lbs | 16.2% |
| 6 1/2 mesh | 0.080 | 2.030 | 0.0740 | 1.880 | 2.851 lbs | 23.1% |
| 6 1/2 mesh | 0.072 | 1.830 | 0.0820 | 2.080 | 2.263 lbs | 28.4% |
| 6 1/2 mesh | 0.063 | 1.600 | 0.0910 | 2.310 | 1.696 lbs | 35.1% |
| 6 1/2 mesh | 0.054 | 1.370 | 0.1000 | 2.540 | 1.286 lbs | 42.3% |
| 6 1/2 mesh | 0.047 | 1.190 | 0.1070 | 2.720 | 0.961 lbs | 48.4% |
| 6 1/2 mesh | 0.041 | 1.040 | 0.1130 | 2.870 | 0.724 lbs | 53.0% |
| 6 1/2 mesh | 0.035 | 0.890 | 0.1190 | 3.020 | 0.523 lbs | 59.8% |
| 6 1/2 mesh | 0.032 | 0.810 | 0.1220 | 3.100 | 0.435 lbs | 62.9% |
| 6 1/2 mesh | 0.028 | 0.710 | 0.1260 | 3.200 | 0.332 lbs | 67.1% |
| 6 1/2 mesh | 0.025 | 0.640 | 0.1290 | 3.280 | 0.263 lbs | 70.3% |
| 6 1/2 mesh | 0.023 | 0.580 | 0.1310 | 3.330 | 0.223 lbs | 72.5% |
| 6 1/2 mesh | 0.020 | 0.510 | 0.1340 | 3.400 | 0.168 lbs | 75.9% |
| 7 mesh | 0.080 | 2.030 | 0.0630 | 1.600 | 3.122 lbs | 19.5% |
| 7 mesh | 0.072 | 1.830 | 0.0710 | 1.800 | 2.472 lbs | 24.7% |
| 7 mesh | 0.063 | 1.600 | 0.0800 | 2.030 | 1.847 lbs | 31.4% |
| 7 mesh | 0.054 | 1.370 | 0.0890 | 1.397 | 1.897 lbs | 38.8% |
| 7 mesh | 0.047 | 1.190 | 0.0960 | 2.440 | 1.042 lbs | 45.2% |



Resources • Screening Tables

# Square Mesh Screen Specifications

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 7 mesh | 0.041 | 1.040 | 0.1020 | 2.59 | 0.784 lbs | 51.0% |
| 7 mesh | 0.035 | 0.890 | 0.1080 | 2.74 | 0.565 lbs | 57.2% |
| 7 mesh | 0.032 | 0.810 | 0.1110 | 2.82 | 0.470 lbs | 60.4% |
| 7 mesh | 0.028 | 0.710 | 0.1150 | 2.92 | 0.358 lbs | 64.8% |
| 7 mesh | 0.025 | 0.640 | 0.1180 | 3.00 | 0.284 lbs | 68.2% |
| 7 mesh | 0.023 | 0.580 | 0.1200 | 3.05 | 0.240 lbs | 70.6% |
| 7 mesh | 0.020 | 0.510 | 0.1230 | 3.12 | 0.181 lbs | 74.1% |
| 7 mesh | 0.018 | 0.460 | 0.1250 | 3.18 | 0.146 lbs | 76.6% |
| 7 1/2 mesh | 0.080 | 2.030 | 0.0530 | 1.35 | 3.404 lbs | 15.8% |
| 7 1/2 mesh | 0.072 | 1.830 | 0.0610 | 1.55 | 2.687 lbs | 20.9% |
| 7 1/2 mesh | 0.063 | 1.600 | 0.0700 | 1.78 | 2.003 lbs | 27.6% |
| 7 1/2 mesh | 0.054 | 1.370 | 0.0790 | 2.01 | 1.510 lbs | 35.1% |
| 7 1/2 mesh | 0.047 | 1.190 | 0.0860 | 2.18 | 1.125 lbs | 41.6% |
| 7 1/2 mesh | 0.041 | 1.040 | 0.0920 | 2.34 | 0.844 lbs | 47.6% |
| 7 1/2 mesh | 0.035 | 0.890 | 0.0980 | 2.49 | 0.608 lbs | 54.0% |
| 7 1/2 mesh | 0.032 | 0.810 | 0.1010 | 2.57 | 0.506 lbs | 57.4% |
| 7 1/2 mesh | 0.028 | 0.710 | 0.1050 | 2.67 | 0.384 lbs | 62.0% |
| 7 1/2 mesh | 0.025 | 0.640 | 0.1080 | 2.74 | 0.305 lbs | 65.6% |
| 7 1/2 mesh | 0.023 | 0.580 | 0.1100 | 2.79 | 0.258 lbs | 68.1% |
| 7 1/2 mesh | 0.020 | 0.510 | 0.1130 | 2.87 | 0.194 lbs | 71.8% |
| 7 1/2 mesh | 0.018 | 0.460 | 0.1150 | 2.92 | 0.157 lbs | 74.4% |
| 8 mesh | 0.072 | 1.830 | 0.0530 | 1.35 | 2.911 lbs | 18.0% |
| 8 mesh | 0.063 | 1.600 | 0.0620 | 1.58 | 2.168 lbs | 24.6% |
| 8 mesh | 0.054 | 1.370 | 0.0710 | 1.80 | 1.627 lbs | 32.3% |
| 8 mesh | 0.047 | 1.190 | 0.0780 | 1.98 | 1.209 lbs | 38.9% |
| 8 mesh | 0.041 | 1.040 | 0.0840 | 2.13 | 0.906 lbs | 45.2% |
| 8 mesh | 0.035 | 0.890 | 0.0900 | 2.29 | 0.651 lbs | 51.8% |
| 8 mesh | 0.032 | 0.810 | 0.0930 | 2.36 | 0.541 lbs | 55.4% |
| 8 mesh | 0.028 | 0.710 | 0.0970 | 2.46 | 0.411 lbs | 60.2% |
| 8 mesh | 0.025 | 0.640 | 0.1000 | 2.54 | 0.326 lbs | 64.0% |
| 8 mesh | 0.023 | 0.580 | 0.1020 | 2.59 | 0.275 lbs | 66.6% |
| 8 mesh | 0.020 | 0.510 | 0.1050 | 2.67 | 0.207 lbs | 70.6% |
| 8 mesh | 0.018 | 0.460 | 0.1070 | 2.72 | 0.168 lbs | 73.3% |
| 8 mesh | 0.017 | 0.430 | 0.1080 | 2.74 | 0.149 lbs | 74.6% |
| 8 1/2 mesh | 0.072 | 1.830 | 0.0460 | 1.17 | 3.143 lbs | 15.3% |
| 8 1/2 mesh | 0.063 | 1.600 | 0.0550 | 1.40 | 2.328 lbs | 21.9% |
| 8 1/2 mesh | 0.054 | 1.370 | 0.0640 | 1.63 | 1.659 lbs | 29.6% |
| 8 1/2 mesh | 0.047 | 1.190 | 0.0710 | 1.80 | 1.294 lbs | 36.4% |
| 8 1/2 mesh | 0.041 | 1.040 | 0.0770 | 1.96 | 0.968 lbs | 42.8% |
| 8 1/2 mesh | 0.035 | 0.890 | 0.0830 | 2.11 | 0.695 lbs | 49.8% |
| 8 1/2 mesh | 0.032 | 0.810 | 0.0860 | 2.18 | 0.577 lbs | 53.4% |
| 8 1/2 mesh | 0.028 | 0.710 | 0.0900 | 2.29 | 0.438 lbs | 58.5% |
| 8 1/2 mesh | 0.025 | 0.640 | 0.0930 | 2.36 | 0.348 lbs | 62.5% |

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 8 1/2 mesh | 0.023 | 0.580 | 0.0950 | 2.41 | 0.293 lbs | 65.2% |
| 8 1/2 mesh | 0.020 | 0.510 | 0.0980 | 2.49 | 0.221 lbs | 69.4% |
| 8 1/2 mesh | 0.018 | 0.460 | 0.1000 | 2.54 | 0.178 lbs | 72.3% |
| 8 1/2 mesh | 0.017 | 0.430 | 0.1010 | 2.57 | 0.159 lbs | 73.7% |
| 9 mesh | 0.072 | 1.830 | 0.0390 | 0.99 | 3.382 lbs | 12.3% |
| 9 mesh | 0.063 | 1.600 | 0.0480 | 1.22 | 2.498 lbs | 18.7% |
| 9 mesh | 0.054 | 1.370 | 0.0570 | 1.45 | 1.774 lbs | 26.3% |
| 9 mesh | 0.047 | 1.190 | 0.0640 | 1.63 | 1.382 lbs | 33.2% |
| 9 mesh | 0.041 | 1.040 | 0.0700 | 1.78 | 1.032 lbs | 39.7% |
| 9 mesh | 0.035 | 0.890 | 0.0760 | 1.93 | 0.740 lbs | 46.8% |
| 9 mesh | 0.032 | 0.810 | 0.0790 | 2.01 | 0.614 lbs | 50.6% |
| 9 mesh | 0.028 | 0.710 | 0.0830 | 2.11 | 0.466 lbs | 55.8% |
| 9 mesh | 0.025 | 0.640 | 0.0860 | 2.18 | 0.369 lbs | 59.9% |
| 9 mesh | 0.023 | 0.580 | 0.0880 | 2.24 | 0.311 lbs | 62.7% |
| 9 mesh | 0.020 | 0.510 | 0.0910 | 2.31 | 0.234 lbs | 67.1% |
| 9 mesh | 0.018 | 0.460 | 0.0930 | 2.36 | 0.189 lbs | 70.1% |
| 9 mesh | 0.017 | 0.430 | 0.0940 | 2.39 | 0.168 lbs | 71.6% |
| 9 mesh | 0.016 | 0.410 | 0.0950 | 2.41 | 0.149 lbs | 73.1% |
| 9 1/2 mesh | 0.063 | 1.600 | 0.0420 | 1.07 | 2.673 lbs | 15.9% |
| 9 1/2 mesh | 0.054 | 1.370 | 0.0510 | 1.30 | 1.893 lbs | 23.5% |
| 9 1/2 mesh | 0.047 | 1.190 | 0.0580 | 1.47 | 1.471 lbs | 30.4% |
| 9 1/2 mesh | 0.041 | 1.040 | 0.0640 | 1.63 | 1.097 lbs | 37.0% |
| 9 1/2 mesh | 0.035 | 0.890 | 0.0700 | 1.78 | 0.785 lbs | 44.2% |
| 9 1/2 mesh | 0.032 | 0.810 | 0.0730 | 1.85 | 0.651 lbs | 48.1% |
| 9 1/2 mesh | 0.028 | 0.710 | 0.0770 | 1.96 | 0.493 lbs | 53.5% |
| 9 1/2 mesh | 0.025 | 0.640 | 0.0800 | 2.03 | 0.391 lbs | 57.8% |
| 9 1/2 mesh | 0.023 | 0.580 | 0.0820 | 2.08 | 0.329 lbs | 60.7% |
| 9 1/2 mesh | 0.020 | 0.510 | 0.0850 | 2.16 | 0.248 lbs | 65.2% |
| 9 1/2 mesh | 0.018 | 0.460 | 0.0870 | 2.21 | 0.200 lbs | 68.3% |
| 9 1/2 mesh | 0.017 | 0.430 | 0.0880 | 2.24 | 0.178 lbs | 69.9% |
| 9 1/2 mesh | 0.016 | 0.410 | 0.0890 | 2.26 | 0.157 lbs | 71.5% |
| 10 mesh | 0.063 | 1.600 | 0.0370 | 0.94 | 2.854 lbs | 13.7% |
| 10 mesh | 0.054 | 1.370 | 0.0460 | 1.17 | 2.015 lbs | 21.2% |
| 10 mesh | 0.047 | 1.190 | 0.0530 | 1.35 | 1.484 lbs | 28.1% |
| 10 mesh | 0.041 | 1.040 | 0.0590 | 1.50 | 1.163 lbs | 34.8% |
| 10 mesh | 0.035 | 0.890 | 0.0650 | 1.65 | 0.831 lbs | 42.3% |
| 10 mesh | 0.032 | 0.810 | 0.0680 | 1.73 | 0.688 lbs | 46.2% |
| 10 mesh | 0.028 | 0.710 | 0.0720 | 1.83 | 0.521 lbs | 51.8% |
| 10 mesh | 0.025 | 0.640 | 0.0750 | 1.91 | 0.412 lbs | 56.3% |
| 10 mesh | 0.023 | 0.580 | 0.0770 | 1.96 | 0.347 lbs | 59.3% |
| 10 mesh | 0.020 | 0.510 | 0.0800 | 2.03 | 0.261 lbs | 64.0% |
| 10 mesh | 0.018 | 0.460 | 0.0820 | 2.08 | 0.211 lbs | 67.2% |
| 10 mesh | 0.017 | 0.430 | 0.0830 | 2.11 | 0.188 lbs | 68.9% |





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# Square Mesh Screen Specifications

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 10 mesh | 0.016 | 0.410 | 0.0840 | 2.13 | 0.166 lbs | 70.6% |
| 10 mesh | 0.015 | 0.380 | 0.0850 | 2.16 | 0.146 lbs | 72.3% |
| 11 mesh | 0.054 | 1.370 | 0.0370 | 0.94 | 2.269 lbs | 16.6% |
| 11 mesh | 0.047 | 1.190 | 0.0440 | 1.12 | 1.663 lbs | 23.4% |
| 11 mesh | 0.041 | 1.040 | 0.0500 | 1.27 | 1.233 lbs | 30.3% |
| 11 mesh | 0.035 | 0.890 | 0.5600 | 1.42 | 0.924 lbs | 37.9% |
| 11 mesh | 0.032 | 0.810 | 0.0590 | 1.50 | 0.764 lbs | 42.1% |
| 11 mesh | 0.028 | 0.710 | 0.0630 | 1.60 | 0.578 lbs | 48.0% |
| 11 mesh | 0.025 | 0.640 | 0.0660 | 1.68 | 0.456 lbs | 52.7% |
| 11 mesh | 0.023 | 0.580 | 0.0680 | 1.73 | 0.384 lbs | 56.0% |
| 11 mesh | 0.020 | 0.510 | 0.0710 | 1.80 | 0.288 lbs | 61.0% |
| 11 mesh | 0.018 | 0.460 | 0.0730 | 1.85 | 0.233 lbs | 64.5% |
| 11 mesh | 0.017 | 0.430 | 0.0740 | 1.88 | 0.207 lbs | 66.3% |
| 11 mesh | 0.016 | 0.410 | 0.0750 | 1.91 | 0.183 lbs | 68.1% |
| 11 mesh | 0.015 | 0.380 | 0.0760 | 1.93 | 0.161 lbs | 69.9% |
| 12 mesh | 0.047 | 1.194 | 0.0360 | 0.91 | 1.851 lbs | 18.7% |
| 12 mesh | 0.041 | 1.041 | 0.0420 | 1.07 | 1.367 lbs | 25.4% |
| 12 mesh | 0.035 | 0.889 | 0.0480 | 1.22 | 1.021 lbs | 33.2% |
| 12 mesh | 0.032 | 0.813 | 0.0510 | 1.30 | 0.843 lbs | 37.5% |
| 12 mesh | 0.028 | 0.711 | 0.0550 | 1.40 | 0.635 lbs | 43.6% |
| 12 mesh | 0.025 | 0.635 | 0.0580 | 1.47 | 0.501 lbs | 48.4% |
| 12 mesh | 0.023 | 0.584 | 0.0600 | 1.52 | 0.422 lbs | 51.8% |
| 12 mesh | 0.020 | 0.508 | 0.0630 | 1.60 | 0.316 lbs | 57.2% |
| 12 mesh | 0.018 | 0.457 | 0.0650 | 1.65 | 0.255 lbs | 60.8% |
| 12 mesh | 0.017 | 0.432 | 0.0660 | 1.68 | 0.227 lbs | 62.7% |
| 12 mesh | 0.016 | 0.406 | 0.0670 | 1.70 | 0.200 lbs | 64.5% |
| 12 mesh | 0.015 | 0.381 | 0.0680 | 1.73 | 0.176 lbs | 66.6% |
| 12 mesh | 0.014 | 0.356 | 0.0690 | 1.75 | 0.153 lbs | 68.6% |
| 13 mesh | 0.041 | 1.041 | 0.0360 | 0.91 | 1.506 lbs | 21.9% |
| 13 mesh | 0.035 | 0.889 | 0.0420 | 1.07 | 1.064 lbs | 29.8% |
| 13 mesh | 0.032 | 0.813 | 0.0450 | 1.14 | 0.923 lbs | 34.2% |
| 13 mesh | 0.028 | 0.711 | 0.0490 | 1.25 | 0.694 lbs | 40.6% |
| 13 mesh | 0.025 | 0.635 | 0.0520 | 1.32 | 0.547 lbs | 45.7% |
| 13 mesh | 0.023 | 0.584 | 0.0540 | 1.37 | 0.459 lbs | 49.3% |
| 13 mesh | 0.020 | 0.508 | 0.0570 | 1.45 | 0.344 lbs | 54.9% |
| 13 mesh | 0.018 | 0.457 | 0.0590 | 1.50 | 0.277 lbs | 58.8% |
| 13 mesh | 0.017 | 0.432 | 0.0600 | 1.52 | 0.246 lbs | 60.8% |
| 13 mesh | 0.016 | 0.406 | 0.0610 | 1.55 | 0.218 lbs | 62.9% |
| 13 mesh | 0.015 | 0.381 | 0.0620 | 1.58 | 0.191 lbs | 65.0% |
| 13 mesh | 0.014 | 0.356 | 0.0630 | 1.60 | 0.166 lbs | 67.1% |
| 14 mesh | 0.041 | 1.041 | 0.0300 | 0.76 | 1.650 lbs | 17.6% |
| 14 mesh | 0.035 | 0.889 | 0.0360 | 0.91 | 1.161 lbs | 25.4% |
| 14 mesh | 0.032 | 0.813 | 0.0390 | 0.99 | 1.005 lbs | 29.8% |

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| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 14 mesh | 0.0280 | 0.711 | 0.0430 | 1.09 | 0.755 lbs | 36.2% |
| 14 mesh | 0.0250 | 0.636 | 0.0460 | 1.17 | 0.593 lbs | 41.5% |
| 14 mesh | 0.0230 | 0.584 | 0.0480 | 1.22 | 0.498 lbs | 45.2% |
| 14 mesh | 0.0200 | 0.508 | 0.0510 | 1.30 | 0.372 lbs | 51.0% |
| 14 mesh | 0.0180 | 0.457 | 0.0530 | 1.35 | 0.299 lbs | 55.1% |
| 14 mesh | 0.0170 | 0.432 | 0.0540 | 1.37 | 0.266 lbs | 57.2% |
| 14 mesh | 0.0160 | 0.406 | 0.0550 | 1.40 | 0.235 lbs | 59.3% |
| 14 mesh | 0.0150 | 0.381 | 0.0560 | 1.42 | 0.206 lbs | 61.5% |
| 14 mesh | 0.0140 | 0.356 | 0.0570 | 1.45 | 0.179 lbs | 63.7% |
| 14 mesh | 0.0135 | 0.343 | 0.0575 | 1.46 | 0.166 lbs | 64.8% |
| 14 mesh | 0.0130 | 0.330 | 0.0580 | 1.47 | 0.154 lbs | 65.9% |
| 14 mesh | 0.0120 | 0.305 | 0.0590 | 1.50 | 0.131 lbs | 68.2% |
| 14 mesh | 0.0110 | 0.279 | 0.0600 | 1.52 | 0.110 lbs | 70.6% |
| 14 mesh | 0.0100 | 0.254 | 0.0610 | 1.55 | 0.090 lbs | 72.9% |
| 15 mesh | 0.0410 | 1.041 | 0.0260 | 0.66 | 1.800 lbs | 15.2% |
| 15 mesh | 0.0350 | 0.889 | 0.0320 | 0.81 | 1.262 lbs | 23.0% |
| 15 mesh | 0.0320 | 0.813 | 0.0350 | 0.89 | 1.036 lbs | 27.6% |
| 15 mesh | 0.0280 | 0.711 | 0.0390 | 0.99 | 0.776 lbs | 34.2% |
| 15 mesh | 0.0250 | 0.635 | 0.0420 | 1.07 | 0.641 lbs | 39.7% |
| 15 mesh | 0.0230 | 0.584 | 0.0440 | 1.12 | 0.537 lbs | 43.6% |
| 15 mesh | 0.0200 | 0.508 | 0.0470 | 1.19 | 0.401 lbs | 49.7% |
| 15 mesh | 0.0180 | 0.457 | 0.0490 | 1.25 | 0.322 lbs | 54.0% |
| 15 mesh | 0.0170 | 0.432 | 0.0500 | 1.27 | 0.286 lbs | 56.3% |
| 15 mesh | 0.0160 | 0.406 | 0.0510 | 1.30 | 0.253 lbs | 58.5% |
| 15 mesh | 0.0150 | 0.381 | 0.0520 | 1.32 | 0.221 lbs | 60.8% |
| 15 mesh | 0.0140 | 0.356 | 0.0530 | 1.35 | 0.192 lbs | 63.2% |
| 15 mesh | 0.0135 | 0.343 | 0.0535 | 1.36 | 0.179 lbs | 64.4% |
| 15 mesh | 0.0130 | 0.330 | 0.0540 | 1.37 | 0.165 lbs | 65.6% |
| 15 mesh | 0.0120 | 0.305 | 0.0550 | 1.40 | 0.141 lbs | 68.1% |
| 15 mesh | 0.0110 | 0.279 | 0.0560 | 1.42 | 0.118 lbs | 70.6% |
| 15 mesh | 0.0100 | 0.254 | 0.0570 | 1.45 | 0.097 lbs | 73.1% |
| 16 mesh | 0.0410 | 1.041 | 0.0215 | 0.55 | 1.956 lbs | 11.8% |
| 16 mesh | 0.0350 | 0.889 | 0.0275 | 0.70 | 1.366 lbs | 19.4% |
| 16 mesh | 0.0320 | 0.813 | 0.0305 | 0.78 | 1.119 lbs | 23.8% |
| 16 mesh | 0.0280 | 0.711 | 0.0346 | 0.89 | 0.836 lbs | 30.5% |
| 16 mesh | 0.0250 | 0.635 | 0.0375 | 0.95 | 0.689 lbs | 36.0% |
| 16 mesh | 0.0230 | 0.584 | 0.0396 | 1.00 | 0.577 lbs | 39.9% |
| 16 mesh | 0.0200 | 0.508 | 0.0425 | 1.08 | 0.430 lbs | 46.2% |
| 16 mesh | 0.0180 | 0.457 | 0.0445 | 1.13 | 0.345 lbs | 50.7% |
| 16 mesh | 0.0170 | 0.432 | 0.0455 | 1.16 | 0.307 lbs | 53.0% |
| 16 mesh | 0.0160 | 0.406 | 0.0465 | 1.18 | 0.271 lbs | 55.4% |
| 16 mesh | 0.0150 | 0.381 | 0.0475 | 1.21 | 0.237 lbs | 57.8% |
| 16 mesh | 0.0140 | 0.356 | 0.0485 | 1.23 | 0.206 lbs | 60.2% |



Resources • Screening Tables

# Square Mesh Screen Specifications

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 16 mesh | 0.0135 | 0.343 | 0.0490 | 1.25 | 0.191 lbs | 61.5% |
| 16 mesh | 0.0130 | 0.330 | 0.0495 | 1.26 | 0.177 lbs | 62.7% |
| 16 mesh | 0.0120 | 0.305 | 0.0505 | 1.28 | 0.150 lbs | 65.3% |
| 16 mesh | 0.0110 | 0.279 | 0.0515 | 1.31 | 0.126 lbs | 67.9% |
| 16 mesh | 0.0100 | 0.254 | 0.0525 | 1.33 | 0.104 lbs | 70.6% |
| 16 mesh | 0.0095 | 0.241 | 0.0530 | 1.35 | 0.094 lbs | 71.9% |
| 18 mesh | 0.0350 | 0.889 | 0.0206 | 0.52 | 1.584 lbs | 13.7% |
| 18 mesh | 0.0320 | 0.813 | 0.0236 | 0.60 | 1.294 lbs | 18.0% |
| 18 mesh | 0.0280 | 0.711 | 0.0276 | 0.70 | 0.961 lbs | 24.7% |
| 18 mesh | 0.0250 | 0.635 | 0.0306 | 0.78 | 0.750 lbs | 30.3% |
| 18 mesh | 0.0230 | 0.584 | 0.0326 | 0.83 | 0.660 lbs | 34.4% |
| 18 mesh | 0.0200 | 0.508 | 0.0356 | 0.90 | 0.490 lbs | 41.1% |
| 18 mesh | 0.0180 | 0.457 | 0.0376 | 0.96 | 0.392 lbs | 45.8% |
| 18 mesh | 0.0170 | 0.432 | 0.0386 | 0.98 | 0.348 lbs | 48.3% |
| 18 mesh | 0.0160 | 0.406 | 0.0396 | 1.01 | 0.307 lbs | 50.8% |
| 18 mesh | 0.0150 | 0.381 | 0.0406 | 1.03 | 0.268 lbs | 53.4% |
| 18 mesh | 0.0140 | 0.356 | 0.0416 | 1.06 | 0.233 lbs | 56.1% |
| 18 mesh | 0.0135 | 0.343 | 0.0421 | 1.07 | 0.216 lbs | 57.4% |
| 18 mesh | 0.0130 | 0.330 | 0.0426 | 1.08 | 0.200 lbs | 58.8% |
| 18 mesh | 0.0120 | 0.305 | 0.0436 | 1.11 | 0.170 lbs | 61.6% |
| 18 mesh | 0.0110 | 0.279 | 0.0446 | 1.13 | 0.142 lbs | 64.4% |
| 18 mesh | 0.0100 | 0.254 | 0.0456 | 1.16 | 0.117 lbs | 67.4% |
| 18 mesh | 0.0095 | 0.241 | 0.0461 | 1.17 | 0.105 lbs | 68.9% |
| 18 mesh | 0.0090 | 0.229 | 0.0466 | 1.18 | 0.095 lbs | 70.4% |
| 20 mesh | 0.0320 | 0.813 | 0.0180 | 0.46 | 1.479 lbs | 13.0% |
| 20 mesh | 0.0280 | 0.711 | 0.0220 | 0.56 | 1.093 lbs | 19.4% |
| 20 mesh | 0.0250 | 0.635 | 0.0250 | 0.64 | 0.850 lbs | 25.0% |
| 20 mesh | 0.0230 | 0.584 | 0.0270 | 0.69 | 0.708 lbs | 29.2% |
| 20 mesh | 0.0200 | 0.508 | 0.0300 | 0.76 | 0.552 lbs | 36.0% |
| 20 mesh | 0.0180 | 0.457 | 0.0320 | 0.81 | 0.441 lbs | 41.0% |
| 20 mesh | 0.0170 | 0.432 | 0.0330 | 0.84 | 0.391 lbs | 43.6% |
| 20 mesh | 0.0160 | 0.406 | 0.0340 | 0.86 | 0.344 lbs | 46.2% |
| 20 mesh | 0.0150 | 0.381 | 0.0350 | 0.89 | 0.301 lbs | 49.0% |
| 20 mesh | 0.0140 | 0.356 | 0.0360 | 0.91 | 0.261 lbs | 51.8% |
| 20 mesh | 0.0135 | 0.343 | 0.0365 | 0.93 | 0.242 lbs | 53.8% |
| 20 mesh | 0.0130 | 0.330 | 0.0370 | 0.94 | 0.224 lbs | 54.8% |
| 20 mesh | 0.0120 | 0.305 | 0.0380 | 0.97 | 0.190 lbs | 57.8% |
| 20 mesh | 0.0110 | 0.279 | 0.0390 | 0.99 | 0.159 lbs | 60.8% |
| 20 mesh | 0.0100 | 0.254 | 0.0400 | 1.02 | 0.131 lbs | 64.0% |
| 20 mesh | 0.0095 | 0.241 | 0.0405 | 1.03 | 0.118 lbs | 65.6% |
| 20 mesh | 0.0090 | 0.229 | 0.0410 | 1.04 | 0.105 lbs | 67.2% |
| 22 mesh | 0.0280 | 0.711 | 0.0175 | 0.45 | 1.232 lbs | 14.8% |
| 22 mesh | 0.0250 | 0.635 | 0.0205 | 0.52 | 0.954 lbs | 20.3% |

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| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 22 mesh | 0.0230 | 0.584 | 0.0225 | 0.57 | 0.793 lbs | 24.5% |
| 22 mesh | 0.0200 | 0.508 | 0.0255 | 0.65 | 0.585 lbs | 31.5% |
| 22 mesh | 0.0180 | 0.457 | 0.0275 | 0.70 | 0.491 lbs | 36.6% |
| 22 mesh | 0.0170 | 0.432 | 0.0285 | 0.72 | 0.435 lbs | 39.3% |
| 22 mesh | 0.0160 | 0.406 | 0.0295 | 0.75 | 0.382 lbs | 42.1% |
| 22 mesh | 0.0150 | 0.381 | 0.0305 | 0.78 | 0.334 lbs | 45.0% |
| 22 mesh | 0.0140 | 0.356 | 0.0315 | 0.80 | 0.289 lbs | 48.0% |
| 22 mesh | 0.0135 | 0.343 | 0.0320 | 0.81 | 0.268 lbs | 49.6% |
| 22 mesh | 0.0130 | 0.330 | 0.0325 | 0.83 | 0.248 lbs | 51.1% |
| 22 mesh | 0.0120 | 0.305 | 0.0335 | 0.85 | 0.210 lbs | 54.3% |
| 22 mesh | 0.0110 | 0.279 | 0.0345 | 0.88 | 0.175 lbs | 57.6% |
| 22 mesh | 0.0100 | 0.254 | 0.0355 | 0.90 | 0.144 lbs | 61.0% |
| 22 mesh | 0.0095 | 0.241 | 0.0360 | 0.91 | 0.130 lbs | 62.7% |
| 22 mesh | 0.0090 | 0.229 | 0.0365 | 0.93 | 0.116 lbs | 64.5% |
| 24 mesh | 0.0250 | 0.635 | 0.0167 | 0.42 | 1.064 lbs | 16.1% |
| 24 mesh | 0.0230 | 0.584 | 0.0187 | 0.48 | 0.882 lbs | 20.1% |
| 24 mesh | 0.0200 | 0.508 | 0.0217 | 0.55 | 0.648 lbs | 27.1% |
| 24 mesh | 0.0180 | 0.457 | 0.0237 | 0.60 | 0.515 lbs | 32.4% |
| 24 mesh | 0.0170 | 0.432 | 0.0247 | 0.63 | 0.480 lbs | 35.1% |
| 24 mesh | 0.0160 | 0.406 | 0.0257 | 0.65 | 0.421 lbs | 38.0% |
| 24 mesh | 0.0150 | 0.381 | 0.0267 | 0.68 | 0.367 lbs | 41.1% |
| 24 mesh | 0.0140 | 0.356 | 0.0277 | 0.70 | 0.318 lbs | 44.2% |
| 24 mesh | 0.0135 | 0.343 | 0.0282 | 0.72 | 0.294 lbs | 45.8% |
| 24 mesh | 0.0130 | 0.330 | 0.0287 | 0.73 | 0.272 lbs | 47.4% |
| 24 mesh | 0.0120 | 0.305 | 0.0297 | 0.75 | 0.230 lbs | 50.8% |
| 24 mesh | 0.0110 | 0.279 | 0.0307 | 0.78 | 0.192 lbs | 54.3% |
| 24 mesh | 0.0100 | 0.254 | 0.0317 | 0.81 | 0.158 lbs | 57.9% |
| 24 mesh | 0.0095 | 0.241 | 0.0322 | 0.82 | 0.142 lbs | 59.7% |
| 24 mesh | 0.0090 | 0.229 | 0.0327 | 0.83 | 0.127 lbs | 61.6% |
| 24 mesh | 0.0085 | 0.216 | 0.0332 | 0.84 | 0.113 lbs | 63.5% |
| 24 mesh | 0.0080 | 0.203 | 0.0337 | 0.86 | 0.100 lbs | 65.4% |
| 24 mesh | 0.0075 | 0.191 | 0.0342 | 0.87 | 0.088 lbs | 67.4% |
| 26 mesh | 0.0200 | 0.508 | 0.0185 | 0.47 | 0.713 lbs | 23.1% |
| 26 mesh | 0.0180 | 0.457 | 0.0205 | 0.52 | 0.566 lbs | 28.4% |
| 26 mesh | 0.0170 | 0.432 | 0.0215 | 0.55 | 0.526 lbs | 31.2% |
| 26 mesh | 0.0160 | 0.406 | 0.0225 | 0.57 | 0.461 lbs | 34.2% |
| 26 mesh | 0.0150 | 0.381 | 0.0235 | 0.60 | 0.402 lbs | 37.3% |
| 26 mesh | 0.0140 | 0.356 | 0.0245 | 0.62 | 0.347 lbs | 40.6% |
| 26 mesh | 0.0135 | 0.343 | 0.0250 | 0.64 | 0.321 lbs | 42.3% |
| 26 mesh | 0.0130 | 0.330 | 0.0255 | 0.65 | 0.297 lbs | 44.0% |
| 26 mesh | 0.0120 | 0.305 | 0.0265 | 0.67 | 0.251 lbs | 47.5% |
| 26 mesh | 0.0110 | 0.279 | 0.0275 | 0.70 | 0.209 lbs | 51.1% |
| 26 mesh | 0.0100 | 0.254 | 0.0285 | 0.72 | 0.172 lbs | 54.9% |



Resources • Screening Tables

# Square Mesh Screen Specifications

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 26 mesh | 0.0095 | 0.241 | 0.0290 | 0.74 | 0.155 lbs | 56.9% |
| 26 mesh | 0.0090 | 0.229 | 0.0295 | 0.75 | 0.138 lbs | 58.8% |
| 26 mesh | 0.0085 | 0.216 | 0.0300 | 0.76 | 0.123 lbs | 60.8% |
| 26 mesh | 0.0080 | 0.203 | 0.0305 | 0.78 | 0.109 lbs | 62.9% |
| 28 mesh | 0.0075 | 0.191 | 0.0310 | 0.79 | 0.095 lbs | 65.0% |
| 28 mesh | 0.0180 | 0.457 | 0.0177 | 0.45 | 0.618 lbs | 24.6% |
| 28 mesh | 0.0170 | 0.432 | 0.0187 | 0.48 | 0.545 lbs | 27.4% |
| 28 mesh | 0.0160 | 0.406 | 0.0197 | 0.50 | 0.503 lbs | 30.4% |
| 28 mesh | 0.0150 | 0.381 | 0.0207 | 0.53 | 0.437 lbs | 33.6% |
| 28 mesh | 0.0140 | 0.356 | 0.0217 | 0.55 | 0.377 lbs | 36.9% |
| 28 mesh | 0.0135 | 0.343 | 0.0222 | 0.56 | 0.349 lbs | 38.6% |
| 28 mesh | 0.0130 | 0.330 | 0.0227 | 0.58 | 0.322 lbs | 40.4% |
| 28 mesh | 0.0120 | 0.350 | 0.0237 | 0.60 | 0.272 lbs | 44.0% |
| 28 mesh | 0.0110 | 0.279 | 0.0247 | 0.63 | 0.227 lbs | 47.8% |
| 28 mesh | 0.0100 | 0.254 | 0.0257 | 0.65 | 0.186 lbs | 51.8% |
| 28 mesh | 0.0095 | 0.241 | 0.0262 | 0.67 | 0.167 lbs | 53.8% |
| 28 mesh | 0.0090 | 0.229 | 0.0267 | 0.68 | 0.150 lbs | 55.9% |
| 28 mesh | 0.0085 | 0.216 | 0.0272 | 0.69 | 0.133 lbs | 58.0% |
| 28 mesh | 0.0080 | 0.203 | 0.0277 | 0.70 | 0.118 lbs | 60.2% |
| 28 mesh | 0.0075 | 0.191 | 0.0282 | 0.72 | 0.103 lbs | 62.3% |
| 30 mesh | 0.0170 | 0.432 | 0.0163 | 0.41 | 0.592 lbs | 23.9% |
| 30 mesh | 0.0160 | 0.406 | 0.0173 | 0.44 | 0.518 lbs | 26.9% |
| 30 mesh | 0.0150 | 0.381 | 0.0183 | 0.47 | 0.474 lbs | 30.1% |
| 30 mesh | 0.0140 | 0.356 | 0.0193 | 0.49 | 0.408 lbs | 33.5% |
| 30 mesh | 0.0135 | 0.343 | 0.0198 | 0.50 | 0.378 lbs | 35.3% |
| 30 mesh | 0.0130 | 0.330 | 0.0203 | 0.52 | 0.348 lbs | 37.1% |
| 30 mesh | 0.0120 | 0.305 | 0.0213 | 0.54 | 0.294 lbs | 40.8% |
| 30 mesh | 0.0110 | 0.279 | 0.0223 | 0.57 | 0.245 lbs | 44.8% |
| 30 mesh | 0.0100 | 0.254 | 0.0233 | 0.59 | 0.200 lbs | 48.9% |
| 30 mesh | 0.0095 | 0.241 | 0.0238 | 0.61 | 0.180 lbs | 51.0% |
| 30 mesh | 0.0090 | 0.229 | 0.0243 | 0.62 | 0.161 lbs | 53.1% |
| 30 mesh | 0.0085 | 0.216 | 0.0248 | 0.63 | 0.143 lbs | 55.4% |
| 30 mesh | 0.0080 | 0.203 | 0.0253 | 0.64 | 0.126 lbs | 57.6% |
| 30 mesh | 0.0075 | 0.191 | 0.0258 | 0.66 | 0.111 lbs | 59.9% |
| 32 mesh | 0.0160 | 0.406 | 0.0153 | 0.39 | 0.560 lbs | 24.0% |
| 32 mesh | 0.0150 | 0.381 | 0.0163 | 0.41 | 0.486 lbs | 27.2% |
| 32 mesh | 0.0140 | 0.356 | 0.0173 | 0.44 | 0.440 lbs | 30.6% |
| 32 mesh | 0.0135 | 0.343 | 0.0178 | 0.45 | 0.407 lbs | 32.4% |
| 32 mesh | 0.0130 | 0.330 | 0.0183 | 0.47 | 0.375 lbs | 34.3% |
| 32 mesh | 0.0120 | 0.305 | 0.0193 | 0.49 | 0.316 lbs | 38.1% |
| 32 mesh | 0.0110 | 0.279 | 0.0203 | 0.52 | 0.263 lbs | 42.2% |
| 32 mesh | 0.0100 | 0.254 | 0.0213 | 0.54 | 0.215 lbs | 46.5% |
| 32 mesh | 0.0095 | 0.241 | 0.0218 | 0.55 | 0.193 lbs | 48.7% |

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 32 mesh | 0.0090 | 0.229 | 0.0223 | 0.57 | 0.173 lbs | 50.9% |
| 32 mesh | 0.0085 | 0.216 | 0.0228 | 0.58 | 0.153 lbs | 53.2% |
| 32 mesh | 0.0080 | 0.203 | 0.0233 | 0.59 | 0.135 lbs | 55.6% |
| 32 mesh | 0.0075 | 0.191 | 0.0238 | 0.61 | 0.118 lbs | 58.0% |
| 32 mesh | 0.0070 | 0.178 | 0.0243 | 0.62 | 0.103 lbs | 60.5% |
| 35 mesh | 0.0160 | 0.406 | 0.0126 | 0.32 | 0.624 lbs | 19.4% |
| 35 mesh | 0.0150 | 0.381 | 0.0136 | 0.35 | 0.541 lbs | 22.7% |
| 35 mesh | 0.0140 | 0.356 | 0.0146 | 0.37 | 0.465 lbs | 26.1% |
| 35 mesh | 0.0135 | 0.343 | 0.0151 | 0.38 | 0.452 lbs | 27.9% |
| 35 mesh | 0.0130 | 0.330 | 0.0156 | 0.40 | 0.416 lbs | 29.8% |
| 35 mesh | 0.0120 | 0.305 | 0.0166 | 0.42 | 0.350 lbs | 33.8% |
| 35 mesh | 0.0110 | 0.279 | 0.0176 | 0.45 | 0.290 lbs | 37.9% |
| 35 mesh | 0.0100 | 0.254 | 0.0186 | 0.47 | 0.237 lbs | 42.4% |
| 35 mesh | 0.0095 | 0.241 | 0.0191 | 0.49 | 0.213 lbs | 44.7% |
| 35 mesh | 0.0090 | 0.229 | 0.0196 | 0.50 | 0.190 lbs | 47.1% |
| 35 mesh | 0.0085 | 0.216 | 0.0201 | 0.51 | 0.169 lbs | 49.5% |
| 35 mesh | 0.0080 | 0.203 | 0.0206 | 0.52 | 0.149 lbs | 52.0% |
| 35 mesh | 0.0075 | 0.191 | 0.0211 | 0.54 | 0.130 lbs | 54.5% |
| 35 mesh | 0.0070 | 0.178 | 0.0216 | 0.55 | 0.113 lbs | 57.2% |
| 38 mesh | 0.0140 | 0.356 | 0.0123 | 0.31 | 0.513 lbs | 21.8% |
| 38 mesh | 0.0135 | 0.343 | 0.0128 | 0.33 | 0.473 lbs | 23.7% |
| 38 mesh | 0.0130 | 0.330 | 0.0133 | 0.34 | 0.436 lbs | 25.5% |
| 38 mesh | 0.0120 | 0.305 | 0.0143 | 0.36 | 0.385 lbs | 29.5% |
| 38 mesh | 0.0110 | 0.279 | 0.0153 | 0.39 | 0.319 lbs | 33.8% |
| 38 mesh | 0.0100 | 0.254 | 0.0163 | 0.41 | 0.260 lbs | 38.4% |
| 38 mesh | 0.0095 | 0.241 | 0.0168 | 0.43 | 0.233 lbs | 40.8% |
| 38 mesh | 0.0090 | 0.229 | 0.0173 | 0.44 | 0.208 lbs | 43.2% |
| 38 mesh | 0.0085 | 0.216 | 0.0178 | 0.45 | 0.185 lbs | 45.8% |
| 38 mesh | 0.0080 | 0.203 | 0.0183 | 0.47 | 0.163 lbs | 48.4% |
| 38 mesh | 0.0075 | 0.191 | 0.0188 | 0.48 | 0.142 lbs | 51.0% |
| 38 mesh | 0.0070 | 0.178 | 0.0193 | 0.49 | 0.123 lbs | 53.8% |
| 40 mesh | 0.0135 | 0.343 | 0.0115 | 0.29 | 0.530 lbs | 21.2% |
| 40 mesh | 0.0130 | 0.330 | 0.0120 | 0.31 | 0.488 lbs | 23.0% |
| 40 mesh | 0.0120 | 0.305 | 0.0130 | 0.33 | 0.409 lbs | 27.0% |
| 40 mesh | 0.0110 | 0.279 | 0.0140 | 0.36 | 0.338 lbs | 31.4% |
| 40 mesh | 0.0100 | 0.254 | 0.0150 | 0.38 | 0.276 lbs | 36.0% |
| 40 mesh | 0.0095 | 0.241 | 0.0155 | 0.39 | 0.247 lbs | 38.4% |
| 40 mesh | 0.0090 | 0.229 | 0.0160 | 0.41 | 0.220 lbs | 41.0% |
| 40 mesh | 0.0085 | 0.216 | 0.0165 | 0.42 | 0.195 lbs | 43.6% |
| 40 mesh | 0.0080 | 0.203 | 0.0170 | 0.43 | 0.172 lbs | 46.2% |
| 40 mesh | 0.0080 | 0.191 | 0.0175 | 0.45 | 0.150 lbs | 49.0% |
| 40 mesh | 0.0070 | 0.178 | 0.0180 | 0.46 | 0.130 lbs | 51.8% |
| 42 mesh | 0.0135 | 0.343 | 0.0103 | 0.26 | 0.535 lbs | 18.7% |





HAVER & TYLER

Resources • Screening Tables

# Square Mesh Screen Specifications

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 42 mesh | 0.0130 | 0.330 | 0.0108 | 0.27 | 0.518 lbs | 20.6% |
| 42 mesh | 0.0120 | 0.305 | 0.0118 | 0.30 | 0.434 lbs | 24.6% |
| 42 mesh | 0.0110 | 0.279 | 0.0128 | 0.33 | 0.358 lbs | 28.9% |
| 42 mesh | 0.0100 | 0.254 | 0.0138 | 0.35 | 0.292 lbs | 33.6% |
| 42 mesh | 0.0095 | 0.241 | 0.0143 | 0.36 | 0.261 lbs | 36.1% |
| 42 mesh | 0.0090 | 0.229 | 0.0148 | 0.38 | 0.233 lbs | 38.6% |
| 45 mesh | 0.0130 | 0.330 | 0.0092 | 0.23 | 0.536 lbs | 17.1% |
| 45 mesh | 0.0120 | 0.305 | 0.0102 | 0.26 | 0.448 lbs | 21.1% |
| 45 mesh | 0.0110 | 0.279 | 0.0112 | 0.28 | 0.369 lbs | 25.4% |
| 45 mesh | 0.0100 | 0.254 | 0.0122 | 0.31 | 0.316 lbs | 30.1% |
| 45 mesh | 0.0095 | 0.241 | 0.0127 | 0.32 | 0.283 lbs | 32.7% |
| 45 mesh | 0.0090 | 0.229 | 0.0132 | 0.34 | 0.252 lbs | 35.3% |
| 45 mesh | 0.0085 | 0.216 | 0.0137 | 0.35 | 0.223 lbs | 38.0% |
| 45 mesh | 0.0080 | 0.203 | 0.0142 | 0.36 | 0.196 lbs | 40.8% |
| 45 mesh | 0.0075 | 0.191 | 0.0147 | 0.37 | 0.171 lbs | 43.8% |
| 50 mesh | 0.0120 | 0.305 | 0.0080 | 0.20 | 0.511 lbs | 16.0% |
| 50 mesh | 0.0110 | 0.279 | 0.0900 | 0.23 | 0.420 lbs | 20.3% |
| 50 mesh | 0.0100 | 0.254 | 0.0100 | 0.25 | 0.340 lbs | 25.0% |
| 50 mesh | 0.0095 | 0.241 | 0.0105 | 0.27 | 0.320 lbs | 27.6% |
| 50 mesh | 0.0090 | 0.229 | 0.0110 | 0.28 | 0.284 lbs | 30.3% |
| 50 mesh | 0.0085 | 0.216 | 0.0115 | 0.29 | 0.251 lbs | 33.1% |
| 50 mesh | 0.0080 | 0.203 | 0.0120 | 0.31 | 0.221 lbs | 36.0% |
| 50 mesh | 0.0075 | 0.191 | 0.0125 | 0.32 | 0.192 lbs | 39.1% |
| 55 mesh | 0.0110 | 0.279 | 0.0072 | 0.18 | 0.473 lbs | 15.7% |
| 55 mesh | 0.0100 | 0.254 | 0.0082 | 0.21 | 0.382 lbs | 20.3% |
| 55 mesh | 0.0095 | 0.241 | 0.0087 | 0.22 | 0.340 lbs | 22.9% |
| 55 mesh | 0.0090 | 0.229 | 0.0092 | 0.23 | 0.302 lbs | 25.6% |
| 55 mesh | 0.0085 | 0.216 | 0.0097 | 0.25 | 0.281 lbs | 28.5% |
| 55 mesh | 0.0080 | 0.203 | 0.0102 | 0.26 | 0.246 lbs | 31.5% |
| 55 mesh | 0.0075 | 0.191 | 0.0107 | 0.27 | 0.214 lbs | 34.6% |
| 55 mesh | 0.0070 | 0.178 | 0.0112 | 0.28 | 0.185 lbs | 37.9% |
| 60 mesh | 0.0110 | 0.279 | 0.0057 | 0.15 | 0.529 lbs | 11.7% |
| 60 mesh | 0.0100 | 0.254 | 0.0067 | 0.17 | 0.426 lbs | 16.2% |
| 60 mesh | 0.0095 | 0.241 | 0.0072 | 0.18 | 0.379 lbs | 18.7% |

| Meshes per Linear Inch | Diameter of Wire | | Width of Opening | | Weight per sq. ft. | Open Area |
|---|---|---|---|---|---|---|
| | Inches | Millimeters | Inches | Millimeters | | |
| 60 mesh | 0.0090 | 0.229 | 0.0077 | 0.20 | 0.335 lbs | 21.3% |
| 60 mesh | 0.0085 | 0.216 | 0.0082 | 0.21 | 0.296 lbs | 24.2% |
| 60 mesh | 0.0080 | 0.203 | 0.0087 | 0.22 | 0.273 lbs | 27.2% |
| 60 mesh | 0.0075 | 0.191 | 0.0092 | 0.23 | 0.237 lbs | 30.5% |
| 60 mesh | 0.0070 | 0.178 | 0.0097 | 0.25 | 0.204 lbs | 33.9% |
| 60 mesh | 0.0065 | 0.165 | 0.0102 | 0.26 | 0.174 lbs | 37.5% |
| 60 mesh | 0.0060 | 0.152 | 0.0107 | 0.27 | 0.147 lbs | 41.2% |
| 65 mesh | 0.0075 | 0.191 | 0.0079 | 0.20 | 0.260 lbs | 26.4% |
| 65 mesh | 0.0070 | 0.178 | 0.0084 | 0.21 | 0.224 lbs | 29.8% |
| 65 mesh | 0.0065 | 0.165 | 0.0089 | 0.23 | 0.191 lbs | 33.5% |
| 70 mesh | 0.0090 | 0.229 | 0.0053 | 0.14 | 0.407 lbs | 13.8% |
| 70 mesh | 0.0085 | 0.216 | 0.0058 | 0.15 | 0.358 lbs | 16.5% |
| 70 mesh | 0.0080 | 0.203 | 0.0063 | 0.16 | 0.313 lbs | 19.4% |
| 70 mesh | 0.0075 | 0.191 | 0.0068 | 0.17 | 0.271 lbs | 22.7% |
| 70 mesh | 0.0070 | 0.178 | 0.0073 | 0.19 | 0.233 lbs | 26.1% |
| 70 mesh | 0.0065 | 0.165 | 0.0078 | 0.20 | 0.208 lbs | 29.8% |
| 70 mesh | 0.0060 | 0.152 | 0.0083 | 0.21 | 0.175 lbs | 33.8% |
| 75 mesh | 0.0070 | 0.178 | 0.0063 | 0.16 | 0.253 lbs | 22.3% |
| 75 mesh | 0.0065 | 0.165 | 0.0068 | 0.17 | 0.226 lbs | 26.0% |
| 75 mesh | 0.0060 | 0.152 | 0.0073 | 0.19 | 0.190 lbs | 30.0% |
| 80 mesh | 0.0075 | 0.191 | 0.0050 | 0.13 | 0.319 lbs | 16.0% |
| 80 mesh | 0.0070 | 0.178 | 0.0055 | 0.14 | 0.274 lbs | 19.4% |
| 80 mesh | 0.0065 | 0.165 | 0.0060 | 0.15 | 0.232 lbs | 23.0% |
| 80 mesh | 0.0060 | 0.152 | 0.0065 | 0.17 | 0.204 lbs | 27.0% |
| 80 mesh | 0.0055 | 0.140 | 0.0070 | 0.18 | 0.169 lbs | 31.4% |
| 80 mesh | 0.0050 | 0.127 | 0.0075 | 0.19 | 0.138 lbs | 36.0% |
| 90 mesh | 0.0060 | 0.152 | 0.0051 | 0.13 | 0.224 lbs | 21.1% |
| 90 mesh | 0.0055 | 0.140 | 0.0056 | 0.14 | 0.184 lbs | 25.4% |
| 90 mesh | 0.0050 | 0.127 | 0.0061 | 0.16 | 0.158 lbs | 30.1% |
| 100 mesh | 0.0050 | 0.127 | 0.0050 | 0.13 | 0.170 lbs | 25.0% |
| 100 mesh | 0.0045 | 0.114 | 0.0055 | 0.14 | 0.142 lbs | 30.3% |
| 100 mesh | 0.0040 | 0.102 | 0.0060 | 0.15 | 0.110 lbs | 36.0% |
| 100 mesh | 0.0035 | 0.089 | 0.0065 | 0.17 | 0.083 lbs | 42.3% |
| 100 mesh | 0.0030 | 0.076 | 0.0070 | 0.18 | 0.060 lbs | 49.0% |





HAVER & TYLER

Resources • Screening Tables

# Numerical Table of Standard Ty-Rod

| Ty-Rod Number | Opening Inches | Weight (Steel) per sq. ft. | Ty-Rod Number | Opening Inches | Weight (Steel) per sq. ft. | Ty-Rod Number | Opening Inches | Weight (Steel) per sq. ft. |
|---|---|---|---|---|---|---|---|---|
| **9278** | 0.0236 | 0.718 lbs | **9407** | 0.1450 | 1.835 lbs | **9648** | 0.0610 | 1.533 lbs |
| **9280** | 0.0276 | 0.543 lbs | **9408** | 0.1420 | 1.167 lbs | **9653** | 0.0790 | 0.883 lbs |
| **9281** | 0.0350 | 0.484 lbs | **9414** | 0.1080 | 1.645 lbs | **9669** | 0.0510 | 1.065 lbs |
| **9282** | 0.0430 | 0.446 lbs | **9416** | 0.0950 | 1.286 lbs | **9682** | 0.0910 | 1.018 lbs |
| **9284** | 0.0220 | 0.606 lbs | **9417** | 0.0870 | 1.467 lbs | **9683** | 0.0700 | 1.163 lbs |
| **9299** | 0.1560 | 1.862 lbs | **9424** | 0.0570 | 1.009 lbs | **9684** | 0.0550 | 1.318 lbs |
| **9301** | 1.0000 | 2.615 lbs | **9425** | 0.0620 | 1.239 lbs | **9876** | 0.0710 | 0.803 lbs |
| **9302** | 1.0000 | 2.213 lbs | **9426** | 0.1370 | 0.845 lbs | **9877** | 0.0640 | 0.844 lbs |
| **9304** | 0.8750 | 2.795 lbs | **9428** | 0.3125 | 2.376 lbs | **9878** | 0.0580 | 0.887 lbs |
| **9305** | 0.8750 | 2.365 lbs | **9433** | 0.1250 | 0.684 lbs | **9879** | 0.0530 | 0.893 lbs |
| **9306** | 0.8750 | 2.035 lbs | **9435** | 0.1250 | 1.586 lbs | **9880** | 0.0440 | 0.978 lbs |
| **9308** | 0.7500 | 3.023 lbs | **9437** | 0.1250 | 1.106 lbs | **9881** | 0.0360 | 1.067 lbs |
| **9309** | 0.7500 | 2.555 lbs | **9440** | 0.0800 | 1.089 lbs | **9886** | 0.0590 | 0.727 lbs |
| **9310** | 0.7500 | 2.201 lbs | **9441** | 0.1040 | 0.986 lbs | **9887** | 0.0500 | 0.761 lbs |
| **9311** | 0.7500 | 1.914 lbs | **9442** | 0.0710 | 0.939 lbs | **9888** | 0.0420 | 0.824 lbs |
| **9313** | 0.6250 | 3.327 lbs | **9443** | 0.0460 | 1.123 lbs | **9889** | 0.0360 | 0.890 lbs |
| **9314** | 0.6250 | 2.807 lbs | **9446** | 0.0480 | 1.399 lbs | **9890** | 0.0300 | 0.959 lbs |
| **9316** | 0.6250 | 2.109 lbs | **9452** | 0.3750 | 2.508 lbs | **9891** | 0.0256 | 1.030 lbs |
| **9317** | 0.6250 | 1.826 lbs | **9460** | 0.3750 | 2.152 lbs | **9892** | 0.0215 | 1.104 lbs |
| **9319** | 0.5625 | 3.007 lbs | **9461** | 0.2160 | 1.172 lbs | **9897** | 0.0480 | 0.622 lbs |
| **9320** | 0.5625 | 2.605 lbs | **9475** | 0.0640 | 0.954 lbs | **9898** | 0.0420 | 0.642 lbs |
| **9322** | 0.5625 | 1.962 lbs | **9481** | 0.0740 | 1.590 lbs | **9899** | 0.0360 | 0.688 lbs |
| **9326** | 0.5000 | 2.728 lbs | **9487** | 0.0900 | 1.806 lbs | **9900** | 0.0320 | 0.736 lbs |
| **9327** | 0.5000 | 2.380 lbs | **9496** | 0.1870 | 0.998 lbs | **9901** | 0.0275 | 0.786 lbs |
| **9328** | 0.5000 | 2.064 lbs | **9501** | 0.1000 | 0.777 lbs | **9902** | 0.0206 | 0.889 lbs |
| **9336** | 0.4375 | 2.560 lbs | **9506** | 1.5000 | 2.163 lbs | **9909** | 0.8750 | 4.309 lbs |
| **9340** | 0.4375 | 1.684 lbs | **9508** | 1.2500 | 2.349 lbs | **9916** | 1.0000 | 4.053 lbs |
| **9350** | 0.3750 | 1.836 lbs | **9532** | 0.5625 | 2.528 lbs | **9918** | 1.2500 | 3.663 lbs |
| **9351** | 0.3750 | 1.561 lbs | **9537** | 0.5000 | 1.839 lbs | **9920** | 1.5000 | 3.388 lbs |
| **9362** | 0.3125 | 2.031 lbs | **9545** | 0.4375 | 2.308 lbs | **9922** | 1.7500 | 3.183 lbs |
| **9363** | 0.3125 | 1.727 lbs | **9546** | 0.4375 | 1.977 lbs | **9935** | 1.2500 | 7.873 lbs |
| **9364** | 0.3125 | 1.520 lbs | **9601** | 0.2160 | 2.488 lbs | **9937** | 1.5000 | 7.275 lbs |
| **9379** | 0.2500 | 2.297 lbs | **9602** | 0.2130 | 1.763 lbs | **9939** | 1.7500 | 6.824 lbs |
| **9380** | 0.2500 | 1.960 lbs | **9613** | 0.1875 | 2.297 lbs | **9941** | 2.0000 | 6.458 lbs |
| **9381** | 0.2500 | 1.715 lbs | **9618** | 0.1730 | 2.402 lbs | **9954** | 1.0000 | 5.445 lbs |
| **9382** | 0.2500 | 1.364 lbs | **9621** | 0.1620 | 1.732 lbs | **9956** | 1.2500 | 4.923 lbs |
| **9388** | 0.2280 | 1.436 lbs | **9624** | 0.1560 | 0.924 lbs | **9958** | 1.5000 | 4.548 lbs |
| **9396** | 0.1875 | 2.000 lbs | **9628** | 0.1470 | 2.180 lbs | **9960** | 1.7500 | 3.768 lbs |
| **9398** | 0.1875 | 1.268 lbs | **9633** | 0.1250 | 1.981 lbs | **9962** | 2.0000 | 4.044 lbs |
| **9401** | 0.1700 | 1.053 lbs | **9639** | 0.1020 | 1.347 lbs | **9975** | 1.7500 | 9.678 lbs |
| **9402** | 0.1660 | 2.132 lbs | **9643** | 0.0320 | 1.331 lbs | **9977** | 2.0000 | 8.010 lbs |
| **9404** | 0.1560 | 1.126 lbs | **9646** | 0.0630 | 1.812 lbs | | | |

| Heavy | | | | Medium Heavy | | | | Standard | | | | Medium Light | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ty-Rod Number | Width of Opening Inches | Wire | Nominal Slot Length Inches | Ty-Rod Number | Width of Opening Inches | Wire | Nominal Slot Length | Ty-Rod Number | Width of Opening Inches | Wire | Nominal Slot Length Inches | Ty-Rod Number | Width of Opening Inches | Wire | Nominal Slot Length Inches |
| – | – | – | – | **9977** | 2.0000 | 0.6250 | 8 | **9941** | 2.0000 | 0.5000 | 8 | **9962** | 2.0000 | 0.3750 | 6 |
| **9975** | 0.7500 | 0.6250 | 8 | **9939** | 1.7500 | 0.5000 | 8 | **9960** | 1.7500 | 0.3750 | 6 | **9922** | 1.7500 | 0.3125 | 6 |
| **9937** | 0.5000 | 0.5000 | 8 | **9958** | 1.5000 | 0.3750 | 6 | **9920** | 1.5000 | 0.3125 | 6 | **9506** | 1.5000 | 0.2500 | 5 |
| **9935** | 0.2500 | 0.5000 | 8 | **9956** | 1.2500 | 0.3750 | 6 | **9918** | 1.2500 | 0.3125 | 6 | **9508** | 1.2500 | 0.2500 | 5 |
| **9954** | 1.0000 | 0.3750 | 6 | **9916** | 1.0000 | 0.3125 | 6 | **9301** | 1.0000 | 0.2500 | 5 | **9302** | 1.0000 | 0.2250 | 5 |
| **9909** | 0.8750 | 0.3125 | 6 | **9304** | 0.8750 | 0.2500 | 5 | **9305** | 0.8750 | 0.2250 | 5 | **9306** | 0.8750 | 0.2070 | 5 |
| **9308** | 0.7500 | 0.2500 | 5 | **9309** | 0.7500 | 0.2250 | 5 | **9310** | 0.7500 | 0.2070 | 5 | **9311** | 0.7500 | 0.1920 | 5 |
| **9313** | 0.6250 | 0.2500 | 5 | **9314** | 0.6250 | 0.2250 | 5 | **9316** | 0.6250 | 0.1920 | 5 | **9317** | 0.6250 | 0.1770 | 5 |
| **9319** | 0.5625 | 0.2250 | 5 | **9320** | 0.5625 | 0.2070 | 5 | **9322** | 0.5625 | 0.1770 | 5 | **9532** | 0.5625 | 0.1620 | 4 |
| **9326** | 0.5000 | 0.2070 | 5 | **9327** | 0.5000 | 0.1920 | 5 | **9328** | 0.5000 | 0.1770 | 5 | **9537** | 0.5000 | 0.1620 | 4 |
| **9336** | 0.4375 | 0.1920 | 5 | **9545** | 0.4375 | 0.1770 | 4 | **9546** | 0.4375 | 0.1620 | 4 | **9340** | 0.4375 | 0.1480 | 4 |
| **9452** | 0.3750 | 0.1770 | 4 | **9460** | 0.3750 | 0.1620 | 4 | **9350** | 0.3750 | 0.1480 | 4 | **9351** | 0.3750 | 0.1350 | 4 |
| **9428** | 0.3125 | 0.1620 | 4 | **9362** | 0.3125 | 0.1480 | 4 | **9363** | 0.3125 | 0.1350 | 4 | **9364** | 0.3125 | 0.1200 | 3 |
| **9379** | 0.2500 | 0.1480 | 4 | **9380** | 0.2500 | 0.1350 | 4 | **9381** | 0.2500 | 0.1200 | 3 | **9382** | 0.2500 | 0.1050 | 3 |
| **9601** | 0.2160 | 0.1480 | 4 | **9602** | 0.2130 | 0.1200 | 4 | **9388** | 0.2280 | 0.1050 | 3 | **9461** | 0.2160 | 0.0920 | 3 |
| **9613** | 0.1875 | 0.1350 | 4 | **9396** | 0.1875 | 0.1200 | 3 | **9398** | 0.1875 | 0.0920 | 3 | **9496** | 0.1870 | 0.0800 | 3 |
| **9618** | 0.1730 | 0.1350 | 4 | – | – | – | – | **9401** | 0.1700 | 0.0800 | 3 | – | – | – | – |
| **9402** | 0.1660 | 0.1200 | 3 | **9621** | 0.1620 | 0.1050 | 3 | – | – | – | – | – | – | – | – |
| – | – | – | – | **9299** | 0.1560 | 0.1050 | 3 | **9404** | 0.1560 | 0.0800 | 3 | **9624** | 0.1560 | 0.0720 | 3 |
| **9628** | 0.1470 | 0.1200 | 3 | **9407** | 0.1450 | 0.1050 | 3 | **9408** | 0.1420 | 0.0800 | 3 | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – | – | **9426** | 0.1370 | 0.0630 | 2 |
| **9633** | 0.1250 | 0.1050 | 3 | **9435** | 0.1250 | 0.0920 | 3 | **9437** | 0.1250 | 0.0720 | 2 | **9433** | 0.1250 | 0.0540 | 2 |
| **9414** | 0.1080 | 0.0920 | 3 | **9639** | 0.1020 | 0.0800 | 3 | **9441** | 0.1040 | 0.0630 | 2 | **9501** | 0.1000 | 0.0540 | 2 |
| **9487** | 0.0900 | 0.0920 | 3 | **9417** | 0.0870 | 0.0800 | 3 | **9416** | 0.0950 | 0.0720 | 2 | **9662** | 0.0910 | 0.0630 | 2 |
| – | – | – | – | **9643** | 0.0820 | 0.0720 | 2 | **9440** | 0.0800 | 0.0630 | 2 | **9653** | 0.0790 | 0.0540 | 2 |
| **9481** | 0.0740 | 0.0800 | 3 | – | – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | **9683** | 0.0700 | 0.0630 | 2 | **9442** | 0.0710 | 0.0540 | 2 | **9876** | 0.0710 | 0.0470 | 1 |
| **9646** | 0.0630 | 0.0800 | 2 | – | – | – | – | **9475** | 0.0640 | 0.0540 | 2 | **9877** | 0.0640 | 0.0470 | 1 |
| **9648** | 0.0610 | 0.0720 | 2 | **9425** | 0.0620 | 0.0630 | 2 | **9878** | 0.0580 | 0.0470 | 1 | **9886** | 0.0590 | 0.0410 | 1 |
| **9684** | 0.0550 | 0.0630 | 2 | **9424** | 0.0570 | 0.0540 | 2 | **9879** | 0.0530 | 0.0470 | 1 | – | – | – | – |
| **9446** | 0.0480 | 0.0630 | 2 | **9669** | 0.0510 | 0.0540 | 2 | **9887** | 0.0500 | 0.0410 | 1 | **9897** | 0.0480 | 0.0350 | 1 |
| **9443** | 0.0460 | 0.0540 | 2 | **9880** | 0.0440 | 0.0470 | 1 | – | – | – | – | **9282** | 0.0430 | 0.0280 | 1 |
| – | – | – | – | **9888** | 0.0420 | 0.0410 | 1 | **9898** | 0.0420 | 0.0350 | 1 | – | – | – | – |
| **9881** | 0.0360 | 0.0470 | 1 | **9889** | 0.0360 | 0.0410 | 1 | **9899** | 0.0360 | 0.0350 | 1 | **9281** | 0.0350 | 0.0280 | 1 |
| **9890** | 0.0300 | 0.0410 | 1 | **9900** | 0.0320 | 0.0350 | 1 | – | – | – | – | **9280** | 0.0276 | 0.0280 | 1 |
| **9891** | 0.0256 | 0.0410 | 1 | **9901** | 0.0275 | 0.0350 | 1 | **9278** | 0.0240 | 0.0320 | 1 | – | – | – | – |
| **9892** | 0.0215 | 0.0410 | 1 | **9902** | 0.0206 | 0.0350 | 1 | **9284** | 0.0220 | 0.0280 | 1 | – | – | – | – |





HAVER & TYLER

Resources • Screening Tables

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# Numerical Table of Standard Ton-Cap Numbers

| Ton-Cap Number | Opening Inches | Wire Diameter Inches | Weight (steel) per sq. ft. | Ton-Cap Number | Opening Inches | Wire Diameter Inches | Weight (steel) per sq. ft. | Ton-Cap Number | Opening Inches | Wire Diameter Inches | Weight (steel) per sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **5** | 0.2680 | 0.148 | 2.826 lbs | **318** | 0.0197 | 0.032 | 1.014 lbs | **557** | 0.0950 | 0.035 | 0.517 lbs |
| **38** | 0.0790 | 0.072 | 1.776 lbs | **321** | 0.0350 | 0.054 | 1.588 lbs | **566** | 0.0590 | 0.047 | 1.123 lbs |
| **40** | 0.0720 | 0.080 | 2.168 lbs | **332** | 0.0172 | 0.028 | 0.887 lbs | **588** | 0.0490 | 0.032 | 0.682 lbs |
| **44** | 0.0690 | 0.063 | 1.518 lbs | **355** | 0.0360 | 0.035 | 0.926 lbs | **599** | 0.0980 | 0.063 | 1.224 lbs |
| **49** | 0.0630 | 0.054 | 1.226 lbs | **359** | 0.0450 | 0.025 | 0.529 lbs | **605** | 0.1660 | 0.135 | 2.990 lbs |
| **57** | 0.0440 | 0.063 | 1.782 lbs | **365** | 0.0410 | 0.041 | 1.038 lbs | **614** | 0.0285 | 0.035 | 0.968 lbs |
| **89** | 0.0320 | 0.035 | 0.966 lbs | **368** | 0.0890 | 0.105 | 2.844 lbs | **615** | 0.0230 | 0.041 | 1.365 lbs |
| **95** | 0.0320 | 0.028 | 0.768 lbs | **371** | 0.0310 | 0.047 | 1.452 lbs | **617** | 0.0340 | 0.028 | 0.661 lbs |
| **138** | 0.0183 | 0.023 | 0.681 lbs | **394** | 0.2270 | 0.120 | 2.275 lbs | **621** | 0.1440 | 0.063 | 1.109 lbs |
| **143** | 0.0185 | 0.020 | 0.597 lbs | **407** | 0.1930 | 0.105 | 1.959 lbs | **622** | 0.1290 | 0.080 | 1.568 lbs |
| **152** | 0.0186 | 0.017 | 0.439 lbs | **412** | 0.1570 | 0.105 | 2.148 lbs | **636** | 0.0290 | 0.025 | 0.635 lbs |
| **155** | 0.0151 | 0.020 | 0.637 lbs | **422** | 0.0257 | 0.023 | 0.605 lbs | **661** | 0.1030 | 0.072 | 1.542 lbs |
| **159** | 0.0121 | 0.023 | 0.768 lbs | **423** | 0.0240 | 0.025 | 0.720 lbs | **665** | 0.1110 | 0.063 | 1.200 lbs |
| **162** | 0.0158 | 0.018 | 0.521 lbs | **430** | 0.0167 | 0.025 | 0.796 lbs | **694** | 0.0820 | 0.041 | 0.756 lbs |
| **164** | 0.0173 | 0.016 | 0.386 lbs | **433** | 0.0213 | 0.020 | 0.542 lbs | **695** | 0.0310 | 0.025 | 0.614 lbs |
| **165** | 0.0136 | 0.0215 | 0.637 lbs | **434** | 0.0230 | 0.018 | 0.412 lbs | **704** | 0.2020 | 0.120 | 2.276 lbs |
| **166** | 0.0168 | 0.018 | 0.511 lbs | **450** | 0.6460 | 0.192 | 2.707 lbs | **732** | 0.1110 | 0.080 | 1.680 lbs |
| **170** | 0.0146 | 0.016 | 0.499 lbs | **456** | 0.4570 | 0.177 | 3.038 lbs | **736** | 0.1260 | 0.063 | 1.130 lbs |
| **176** | 0.0139 | 0.017 | 0.524 lbs | **475** | 0.4550 | 0.162 | 2.604 lbs | **740** | 0.0700 | 0.047 | 1.049 lbs |
| **182** | 0.0120 | 0.015 | 0.471 lbs | **493** | 0.7680 | 0.162 | 1.688 lbs | **755** | 0.0900 | 0.072 | 1.690 lbs |
| **184** | 0.0093 | 0.018 | 0.659 lbs | **494** | 0.0202 | 0.018 | 0.434 lbs | **757** | 0.1060 | 0.054 | 0.977 lbs |
| **186** | 0.0081 | 0.018 | 0.657 lbs | **514** | 0.1290 | 0.105 | 2.477 lbs | **767** | 0.1510 | 0.080 | 1.458 lbs |
| **226** | 0.1160 | 0.120 | 3.177 lbs | **520** | 0.0310 | 0.028 | 0.687 lbs | **770** | 0.1410 | 0.092 | 1.910 lbs |
| **239** | 0.0890 | 0.041 | 0.752 lbs | **527** | 0.0193 | 0.041 | 1.281 lbs | **771** | 0.1580 | 0.072 | 1.158 lbs |
| **241** | 0.0610 | 0.072 | 1.949 lbs | **531** | 0.0152 | 0.028 | 0.980 lbs | **775** | 0.0163 | 0.014 | 0.350 lbs |
| **277** | 0.0410 | 0.035 | 0.846 lbs | **533** | 0.0202 | 0.025 | 0.718 lbs | **805** | 0.0700 | 0.035 | 0.680 lbs |
| **302** | 0.0640 | 0.041 | 0.870 lbs | **538** | 0.0245 | 0.020 | 0.488 lbs | **813** | 0.0390 | 0.063 | 1.849 lbs |
| **305** | 0.0550 | 0.041 | 0.926 lbs | **554** | 0.0540 | 0.080 | 2.306 lbs | **817** | 0.0390 | 0.032 | 0.750 lbs |
| **309** | 0.0500 | 0.047 | 1.161 lbs | **556** | 0.0770 | 0.054 | 1.129 lbs | **819** | 0.0360 | 0.035 | 0.847 lbs |

| Ton-Cap Number | Opening Inches | Wire Diameter Inches | Weight (steel) per sq. ft. | Ton-Cap Number | Opening Inches | Wire Diameter Inches | Weight (steel) per sq. ft. | Ton-Cap Number | Opening Inches | Wire Diameter Inches | Weight (steel) per sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **823** | 0.0600 | 0.035 | 0.658 lbs | **1117** | 0.3260 | .1200 | 1.814 lbs | **5125** | .6510 | 0.250 | 3.982 lbs |
| **833** | 0.0470 | 0.035 | 0.766 lbs | **1182** | 0.1760 | .1480 | 3.391 lbs | **5133** | .5240 | 0.225 | 3.959 lbs |
| **835** | 0.0570 | 0.054 | 1.345 lbs | **1195** | 0.2620 | .1050 | 1.696 lbs | **5135** | .4600 | 0.207 | 3.628 lbs |
| **853** | 0.0278 | 0.041 | 1.317 lbs | **1196** | 0.1360 | .0720 | 1.244 lbs | **5140** | .3960 | 0.192 | 3.354 lbs |
| **865** | 0.0220 | 0.025 | 0.697 lbs | **1210** | 0.3290 | .1480 | 2.578 lbs | **5145** | .3420 | 0.177 | 3.280 lbs |
| **872** | 0.1790 | 0.080 | 1.346 lbs | **1226** | 0.8950 | .1920 | 1.986 lbs | **5153** | .2560 | 0.162 | 3.363 lbs |
| **875** | 0.3990 | 0.225 | 4.474 lbs | **1247** | 0.4520 | .1350 | 1.888 lbs | **5156** | .2320 | 0.148 | 3.169 lbs |
| **879** | 0.3940 | 0.177 | 3.073 lbs | **1255** | 0.5190 | .1770 | 2.712 lbs | **5160** | .2020 | 0.135 | 2.878 lbs |
| **890** | 0.2290 | 0.192 | 4.688 lbs | **1308** | 0.3300 | .1620 | 3.009 lbs | **5165** | .1750 | 0.120 | 2.598 lbs |
| **892** | 0.2590 | 0.207 | 5.085 lbs | **1340** | 0.1740 | .1050 | 2.051 lbs | **5170** | .1440 | 0.120 | 2.937 lbs |
| **908** | 0.0440 | 0.041 | 1.010 lbs | **1377** | 0.8990 | .2250 | 2.675 lbs | **5175** | .1230 | 0.105 | 2.500 lbs |
| **919** | 0.0251 | 0.047 | 1.414 lbs | **1707** | 0.4640 | .2500 | 4.908 lbs | **5178** | .1190 | 0.092 | 2.057 lbs |
| **921** | 0.0630 | 0.080 | 2.199 lbs | **1726** | 0.5150 | .1350 | 1.675 lbs | **5180** | .1010 | 0.092 | 2.272 lbs |
| **930** | 0.0850 | 0.054 | 1.078 lbs | **1927** | 0.8960 | .1620 | 1.752 lbs | **5185** | .0830 | 0.080 | 2.028 lbs |
| **952** | 0.2430 | 0.135 | 2.520 lbs | **1955** | 0.5310 | .2830 | 4.590 lbs | **5190** | .0690 | 0.072 | 1.794 lbs |
| **963** | 0.3930 | 0.162 | 2.784 lbs | **1986** | 0.7880 | .3750 | 7.163 lbs | **5195** | .0600 | 0.063 | 1.624 lbs |
| **992** | 0.2060 | 0.177 | 4.259 lbs | **2078** | 0.3350 | .2070 | 4.188 lbs | **5200** | .0520 | 0.054 | 1.359 lbs |
| **1003** | 0.1340 | 0.054 | 0.840 lbs | **2089** | 0.6630 | .3130 | 6.064 lbs | **5205** | .0410 | 0.047 | 1.193 lbs |
| **1004** | 0.1960 | 0.080 | 1.288 lbs | **2145** | 0.7810 | .2250 | 3.869 lbs | **5210** | .0350 | 0.041 | 1.038 lbs |
| **1009** | 0.5210 | 0.192 | 3.116 lbs | **2290** | 0.1040 | .1200 | 2.918 lbs | **5215** | .0300 | 0.041 | 1.113 lbs |
| **1013** | 0.9190 | 0.375 | 7.702 lbs | **2475** | 0.0090 | .0180 | 0.543 lbs | **5218** | .0277 | 0.032 | 0.912 lbs |
| **1017** | 0.2650 | 0.135 | 2.419 lbs | **2504** | 0.1790 | .0630 | 0.872 lbs | **5220** | .0247 | 0.035 | 0.958 lbs |
| **1023** | 0.6410 | 0.148 | 1.703 lbs | **2602** | 0.0067 | .0180 | 0.586 lbs | **5225** | .0215 | 0.032 | 0.856 lbs |
| **1024** | 0.2260 | 0.092 | 1.433 lbs | **2688** | 0.0110 | .0135 | 0.407 lbs | **5230** | .0187 | 0.028 | 0.764 lbs |
| **1051** | 0.6470 | 0.207 | 3.117 lbs | **2964** | 0.1300 | .1350 | 3.294 lbs | **5234** | .0155 | 0.023 | 0.715 lbs |
| **1061** | 0.3890 | 0.135 | 2.018 lbs | **3075** | 0.0146 | .0135 | 0.364 lbs | **5235** | .0148 | 0.025 | 0.688 lbs |
| **1064** | 0.1460 | 0.135 | 3.142 lbs | **3076** | 0.0133 | .0135 | 0.393 lbs | **5240** | .0128 | 0.023 | 0.639 lbs |
| **1072** | 0.1880 | 0.135 | 2.831 lbs | **5115** | 0.9130 | .3125 | 5.305 lbs | **5245** | .0108 | 0.023 | 0.719 lbs |
| **1098** | 0.7710 | 0.192 | 2.291 lbs | **5120** | 0.7810 | .2500 | 4.221 lbs | | | | |



Resources • Screening Tables

HAVER & TYLER

# Table of Standard Ton-Cap Screen Numbers

| Extra Heavy | | | Heavy | | | Medium | | |
|---|---|---|---|---|---|---|---|---|
| Ton-Cap Number | Width of Opening Inches | Open Area | Ton-Cap Number | Width of Opening Inches | Open Area | Ton-Cap Number | Width of Opening Inches | Open Area |
| **1013** | 0.9190 | 53.1% | **5115** | 0.9130 | 60.2% | **1377** | 0.8990 | 69.4% |
| **1986** | 0.7880 | 52.6% | **5120** | 0.7810 | 61.3% | **2145** | 0.7810 | 62.8% |
| **2089** | 0.6630 | 55.0% | **5125** | 0.6510 | 59.5% | **1051** | 0.6470 | 62.4% |
| **1955** | 0.5310 | 55.9% | **5133** | 0.5240 | 56.8% | **1009** | 0.5210 | 59.7% |
| **1707** | 0.4640 | 54.6% | **5315** | 0.4600 | 56.8% | **456** | 0.4570 | 57.9% |
| **875** | 0.3990 | 51.9% | **5140** | 0.3960 | 55.0% | **879** | 0.3940 | 57.1% |
| **2078** | 0.3350 | 50.9% | **5145** | 0.3420 | 54.5% | **1308** | 0.3300 | 54.8% |
| **892** | 0.2590 | 42.9% | **5153** | 0.2560 | 50.0% | **5** | 0.2680 | 53.5% |
| **890** | 0.2290 | 42.8% | **5156** | 0.2320 | 48.3% | **952** | 0.2430 | 54.2% |
| **992** | 0.2060 | 43.0% | **5160** | 0.2020 | 48.8% | **704** | 0.2020 | 53.7% |
| **1182** | 0.1760 | 44.9% | **1072** | 0.1880 | 49.0% | **1340** | 0.1740 | 52.8% |
| **605** | 0.1660 | 46.3% | **5165** | 0.1750 | 47.4% | **412** | 0.1570 | 50.7% |
| **1064** | 0.1460 | 43.5% | **5170** | 0.1440 | 43.2% | **770** | 0.1410 | 50.4% |
| **2964** | 0.1300 | 41.0% | **514** | 0.1290 | 44.6% | **732** | 0.1110 | 49.5% |
| **226** | 0.1160 | 38.6% | **5175** | 0.1230 | 43.4% | **661** | 0.1030 | 48.7% |
| **2290** | 0.1040 | 40.0% | **5178** | 0.1190 | 46.9% | **755** | 0.0900 | 44.7% |
| **368** | 0.0890 | 36.8% | **5180** | 0.1010 | 42.4% | **38** | 0.0790 | 42.0% |
| **40** | 0.0720 | 37.4% | **5185** | 0.0830 | 41.0% | **44** | 0.0690 | 43.0% |
| **921** | 0.0630 | 35.5% | **5190** | 0.0690 | 40.2% | **49** | 0.0630 | 45.5% |
| **241** | 0.0610 | 36.5% | **5195** | 0.0590 | 39.4% | **835** | 0.0570 | 41.6% |
| **554** | 0.0540 | 32.3% | **5200** | 0.0520 | 40.6% | **309** | 0.0500 | 43.6% |
| **57** | 0.0440 | 33.2% | **5205** | 0.0410 | 38.7% | **908** | 0.0440 | 43.4% |
| **813** | 0.0390 | 30.6% | **5210** | 0.0350 | 38.8% | **365** | 0.0410 | 42.1% |
| **321** | 0.0350 | 31.1% | **5215** | 0.0300 | 35.2% | **355** | 0.0360 | 41.5% |
| **371** | 0.0310 | 31.5% | **5218** | 0.0277 | 36.7% | **89** | 0.0320 | 38.8% |
| **853** | 0.0278 | 32.0% | **5220** | 0.0247 | 34.5% | **614** | 0.0285 | 37.2% |
| **919** | 0.0251 | 28.1% | **5225** | 0.0215 | 34.0% | **423** | 0.0240 | 38.8% |
| **615** | 0.0232 | 27.3% | **318** | 0.0197 | 29.5% | **865** | 0.0220 | 38.4% |
| **527** | 0.0193 | 25.5% | **5230** | 0.0187 | 33.6% | **533** | 0.0202 | 36.5% |
| **332** | 0.0172 | 29.4% | **430** | 0.0167 | 30.5% | **138** | 0.0183 | 34.1% |
| **531** | 0.0151 | 25.6% | **5234** | 0.0155 | 30.6% | **155** | 0.0151 | 33.0% |
| **165** | 0.0136 | 29.4% | **5235** | 0.0148 | 31.8% | | | |
| **159** | 0.0121 | 25.7% | **5240** | 0.0128 | 30.3% | | | |
| **184** | 0.0093 | 23.5% | **5245** | 0.0108 | 25.2% | | | |
| **2602** | 0.0067 | 21.1% | **2475** | 0.0090 | 26.9% | | | |
| | | | **186** | 0.0081 | 21.8% | | | |

| Medium Light | | | Light | | |
|---|---|---|---|---|---|
| Ton-Cap Number | Width of Opening Inches | Open Area | Ton-Cap Number | Width of Opening Inches | Open Area |
| **1226** | 0.8950 | 72.9% | **1927** | 0.8960 | 74.2% |
| **1098** | 0.7710 | 69.3% | **493** | 0.7680 | 72.9% |
| **450** | 0.6460 | 64.5% | **1023** | 0.6140 | 70.5% |
| **1255** | 0.5190 | 61.7% | **1726** | 0.5150 | 68.4% |
| **475** | 0.4550 | 60.2% | **1247** | 0.4520 | 64.9% |
| **963** | 0.3930 | 57.9% | **1061** | 0.3890 | 62.6% |
| **1210** | 0.3290 | 57.2% | **1117** | 0.3260 | 62.6% |
| **1017** | 0.2650 | 55.9% | **1195** | 0.2620 | 62.1% |
| **394** | 0.2270 | 54.3% | **1024** | 0.2260 | 61.4% |
| **407** | 0.1930 | 54.9% | **1004** | 0.1960 | 60.5% |
| **872** | 0.1790 | 58.9% | **2504** | 0.1790 | 65.2% |
| **767** | 0.1510 | 55.7% | **771** | 0.1580 | 59.7% |
| – | – | – | **621** | 0.1440 | 57.6% |
| **1196** | 0.1360 | 56.9% | **1003** | 0.1340 | 61.9% |
| **622** | 0.1290 | 52.6% | **736** | 0.1260 | 57.3% |
| **665** | 0.1110 | 54.0% | **757** | 0.1060 | 56.4% |
| **599** | 0.0980 | 52.6% | **557** | 0.0950 | 65.3% |
| **930** | 0.0850 | 51.8% | **239** | 0.0890 | 57.9% |
| **556** | 0.0770 | 49.9% | **694** | 0.0820 | 57.8% |
| **740** | 0.0700 | 49.9% | **805** | 0.0700 | 56.5% |
| **302** | 0.0640 | 51.5% | – | – | – |
| **566** | 0.0590 | 46.4% | **823** | 0.0600 | 54.7% |
| **305** | 0.0550 | 48.3% | **588** | 0.0490 | 51.1% |
| **833** | 0.0470 | 49.5% | **359** | 0.0450 | 52.6% |
| **277** | 0.0410 | 45.4% | **817** | 0.0390 | 46.1% |
| **819** | 0.0360 | 43.8% | **617** | 0.0340 | 45.7% |
| **95** | 0.0320 | 42.4% | **695** | 0.0310 | 44.9% |
| **520** | 0.0310 | 43.6% | **636** | 0.0285 | 44.2% |
| **422** | 0.0257 | 43.0% | **538** | 0.0245 | 46.2% |
| **433** | 0.0213 | 41.7% | **434** | 0.0230 | 47.6% |
| – | – | – | **494** | 0.0202 | 45.2% |
| **143** | 0.0185 | 37.2% | **152** | 0.0186 | 42.7% |
| **166** | 0.0168 | 38.6% | **164** | 0.0173 | 43.8% |
| **162** | 0.0158 | 37.3% | **775** | 0.0163 | 42.8% |
| **170** | 0.0146 | 34.0% | **3075** | 0.0146 | 40.5% |
| **176** | 0.0139 | 34.4% | **3076** | 0.0133 | 38.7% |



Resources • Screening Tables

# Decimal Diameters

| Tyler Industrial Wire Cloth Standard | | | Decimal Equivalents of Various Gauge Numbers | | | | |
|---|---|---|---|---|---|---|---|
| Diameter | Millimeter | Weight per 100 Linear Feet | Gauge Number | Washburn & Moen | British Imperial Standard (S.W.G) | Birmingham or Stubs | American or Brown & Sharp |
| .307" | 7.80 | 25.14 lbs | 0 | 0.3065 | 0.324 | 0.340 | 0.3249 |
| .283" | 7.19 | 21.36 lbs | 1 | 0.2830 | 0.300 | 0.300 | 0.2893 |
| .263" | 6.68 | 18.45 lbs | 2 | 0.2625 | 0.276 | 0.284 | 0.2576 |
| .250" | 6.35 | 16.67 lbs | 3 | 0.2437 | 0.252 | 0.259 | 0.2294 |
| .225" | 5.72 | 13.50 lbs | 4 | 0.2253 | 0.232 | 0.238 | 0.2043 |
| .207" | 5.26 | 11.43 lbs | 5 | 0.2070 | 0.212 | 0.220 | 0.1819 |
| .192" | 4.88 | 9.832 lbs | 6 | 0.1920 | 0.192 | 0.203 | 0.1620 |
| .177" | 4.50 | 8.356 lbs | 7 | 0.1770 | 0.176 | 0.180 | 0.1442 |
| .162" | 4.11 | 7.000 lbs | 8 | 0.1620 | 0.160 | 0.165 | 0.1284 |
| .148" | 3.76 | 5.842 lbs | 9 | 0.1483 | 0.144 | 0.148 | 0.1144 |
| .135" | 3.43 | 4.861 lbs | 10 | 0.1350 | 0.128 | 0.134 | 0.1018 |
| .120" | 3.05 | 3.841 lbs | 11 | 0.1205 | 0.116 | 0.120 | 0.0907 |
| .105" | 2.67 | 2.941 lbs | 12 | 0.1055 | 0.104 | 0.109 | 0.0808 |
| .092" | 2.34 | 2.258 lbs | 13 | 0.0915 | 0.092 | 0.095 | 0.0719 |
| .080" | 2.03 | 1.707 lbs | 14 | 0.0800 | 0.080 | 0.083 | 0.0640 |
| .072" | 1.83 | 1.383 lbs | 15 | 0.0720 | 0.072 | 0.072 | 0.0570 |
| .063" | 1.60 | 1.059 lbs | 16 | 0.0625 | 0.064 | 0.065 | 0.0508 |
| .054" | 1.37 | 0.7778 lbs | 17 | 0.0540 | 0.056 | 0.058 | 0.0452 |
| .047" | 1.19 | 0.5892 lbs | 18 | 0.0475 | 0.048 | 0.049 | 0.0403 |
| .041" | 1.04 | 0.4484 lbs | 19 | 0.0410 | 0.040 | 0.042 | 0.0358 |
| .035" | 0.89 | 0.3267 lbs | 20 | 0.0348 | 0.036 | 0.035 | 0.0319 |
| .032" | 0.81 | 0.2731 lbs | 21 | 0.0317 | 0.032 | 0.032 | 0.0284 |
| .028" | 0.71 | 0.2091 lbs | 22 | 0.0286 | 0.028 | 0.028 | 0.0253 |
| .025" | 0.64 | 0.1667 lbs | 23 | 0.0258 | 0.024 | 0.025 | 0.0225 |
| .023" | 0.58 | 0.1411 lbs | 24 | 0.0230 | 0.022 | 0.022 | 0.0201 |

| Tyler Industrial Wire Cloth Standard | | | Decimal Equivalents of Various Gauge Numbers | | | | |
|---|---|---|---|---|---|---|---|
| Diameter | Millimeters | Weight per 100 Linear Feet | Gauge Number | Washburn & Moen | British Imperial Standard (S.W.G) | Birmingham or Stubs | American or Brown & Sharp |
| .0200" | 0.510 | .106700 lbs | 25 | 0.0204 | 0.0200 | 0.020 | 0.0179 |
| .0180" | 0.460 | .086420 lbs | 26 | 0.0181 | 0.0180 | 0.018 | 0.0159 |
| .0170" | 0.432 | .077080 lbs | 27 | 0.0173 | 0.0164 | 0.016 | 0.0141 |
| .0160" | 0.406 | .068280 lbs | 28 | 0.0162 | 0.0148 | 0.014 | 0.0126 |
| .0150" | 0.381 | .060010 lbs | 29 | 0.0150 | 0.0136 | 0.013 | 0.0112 |
| .0140" | 0.356 | .052280 lbs | 30 | 0.0140 | 0.0124 | 0.012 | 0.0100 |
| .0135" | 0.343 | .048610 lbs | 31 | 0.0132 | 0.0116 | 0.010 | 0.0089 |
| .0130" | 0.330 | .045080 lbs | 32 | 0.0128 | 0.0108 | 0.009 | 0.0079 |
| .0120" | 0.305 | .038410 lbs | – | – | – | – | – |
| .0110" | 0.279 | .032270 lbs | 33 | 0.0118 | 0.0100 | 0.008 | 0.0070 |
| .0100" | 0.254 | .026670 lbs | 34 | 0.0104 | 0.0092 | 0.007 | 0.0063 |
| .0095" | 0.241 | .024070 lbs | 35 | 0.0095 | 0.0084 | 0.005 | 0.0056 |
| .0090" | 0.229 | .021600 lbs | 36 | 0.0090 | 0.0076 | 0.004 | 0.0050 |
| .0085" | 0.216 | .019270 lbs | 37 | 0.0085 | 0.0068 | – | 0.0044 |
| .0080" | 0.203 | .017070 lbs | 38 | 0.0080 | 0.0060 | – | 0.0039 |
| .0075" | 0.191 | .015000 lbs | 39 | 0.0075 | 0.0052 | – | 0.0035 |
| .0070" | 0.178 | .018070 lbs | 40 | 0.0070 | 0.0048 | – | 0.0031 |
| .0065" | 0.165 | .011270 lbs | – | – | – | – | – |
| .0060" | 0.152 | .009602 lbs | – | – | – | | |
| .0055" | 0.140 | .008068 lbs | – | – | – | – | – |
| .0050" | 0.127 | .013070 lbs | – | – | – | – | – |
| .0045" | 0.114 | .005401 lbs | – | – | – | – | – |
| .0040" | 0.102 | .004268 lbs | – | – | – | – | – |
| .0035" | 0.089 | .003267 lbs | – | – | – | – | – |
| .0030" | 0.076 | .002400 lbs | – | – | – | – | – |





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Resources • Screening Tables

# U.S. Sieve Series

| Opening | | Designation | | Nom. Wire Diameter | | Open Area |
|---|---|---|---|---|---|---|
| Millimeters | Inches | US | Tyler | Millimeters | Inches | |
| 125.00 | 4.920 | 5.000" | | 8.00 | 0.3150 | 88.33% |
| 106.00 | 4.170 | 4.240" | | 6.40 | 0.2520 | 88.94% |
| 100.00 | 3.940 | 4.000" | | 6.30 | 0.2480 | 88.50% |
| 90.00 | 3.540 | 3.50" | | 6.08 | 0.2394 | 87.74% |
| 75.00 | 2.950 | 3.000" | | 5.08 | 0.2283 | 86.16% |
| 63.00 | 2.480 | 2.500" | | 5.50 | 0.2165 | 84.59% |
| 53.00 | 2.090 | 2.120" | | 5.15 | 0.2028 | 83.07% |
| 50.00 | 1.970 | 2.000" | | 5.05 | 0.1988 | 82.49% |
| 45.00 | 1.770 | 1.750" | | 4.85 | 0.1909 | 81.49% |
| 37.50 | 1.480 | 1.500" | | 4.59 | 0.1807 | 79.38% |
| 31.50 | 1.240 | 1.250" | | 4.23 | 0.1665 | 77.72% |
| 26.50 | 1.040 | 1.060" | 1.050" | 3.90 | 0.1535 | 75.99% |
| 25.00 | 0.980 | 1.000" | | 3.80 | 0.1496 | 75.35% |
| 22.40 | 0.882 | 0.875" | 0.883" | 3.50 | 0.1378 | 74.80% |
| 19.00 | 0.748 | 0.750" | 0.742" | 3.30 | 0.1299 | 72.59% |
| 16.00 | 0.630 | 0.625" | 0.624" | 3.00 | 0.1181 | 70.91% |
| 13.20 | 0.520 | 0.530' | 0.525" | 2.75 | 0.1083 | 68.49% |
| 12.50 | 0.492 | 0.500" | | 2.67 | 0.1051 | 67.90% |
| 11.20 | 0.441 | 0.438" | 0.441" | 2.45 | 0.0965 | 67.32% |
| 9.50 | 0.374 | 0.375" | 0.371" | 2.27 | 0.0894 | 65.15% |
| 8.00 | 0.315 | 0.312" | 2.5 mesh | 2.07 | 0.0815 | 63.11% |
| 6.70 | 0.264 | 0.265" | 3.0 mesh | 1.87 | 0.0736 | 61.12% |
| 6.30 | 0.248 | 0.250" | | 1.82 | 0.0717 | 60.20% |
| 5.60 | 0.220 | 3.500" | 3.5 mesh | 1.68 | 0.0661 | 59.17% |
| 4.75 | 0.187 | No. 4 | 4.0 mesh | 1.54 | 0.0606 | 57.03% |
| 4.00 | 0.157 | No. 5 | 5.0 mesh | 1.37 | 0.0539 | 55.48% |
| 3.35 | 0.132 | No. 6 | 6.0 mesh | 1.23 | 0.0484 | 53.50% |

| Opening | | Designation | | Nom. Wire Diameter | | Open Area |
|---|---|---|---|---|---|---|
| Millimeters | Inches | US | Tyler | Millimeters | Inches | |
| 2.800 | 0.1102 | No. 7 | 7 mesh | 1.100 | 0.0433 | 51.55% |
| 2.360 | 0.0929 | No. 8 | 8 mesh | 1.000 | 0.0394 | 49.33% |
| 2.000 | 0.0787 | No. 10 | 9 mesh | 0.900 | 0.0354 | 47.56% |
| 1.700 | 0.0669 | No. 12 | 10 mesh | 0.810 | 0.0319 | 45.87% |
| 1.400 | 0.0551 | No. 14 | 12 mesh | 0.725 | 0.0285 | 43.40% |
| 1.180 | 0.0465 | No. 16 | 14 mesh | 0.650 | 0.0256 | 41.58% |
| 1.000 | 0.0394 | No. 18 | 16 mesh | 0.580 | 0.0228 | 40.06% |
| 0.850 | 0.0335 | No. 20 | 20 mesh | 0.510 | 0.0201 | 39.06% |
| 0.710 | 0.0280 | No. 25 | 24 mesh | 0.450 | 0.0177 | 37.46% |
| 0.600 | 0.0236 | No. 30 | 28 mesh | 0.390 | 0.0154 | 36.73% |
| 0.500 | 0.0197 | No. 35 | 32 mesh | 0.340 | 0.0134 | 35.43% |
| 0.425 | 0.0167 | No. 40 | 35 mesh | 0.290 | 0.0114 | 35.33% |
| 0.355 | 0.0140 | No. 45 | 42 mesh | 0.247 | 0.0097 | 34.77% |
| 0.300 | 0.0118 | No. 50 | 48 mesh | 0.215 | 0.0085 | 33.93% |
| 0.250 | 0.0098 | No. 60 | 60 mesh | 0.180 | 0.0071 | 33.80% |
| 0.212 | 0.0083 | No. 70 | 65 mesh | 0.152 | 0.0060 | 33.92% |
| 0.180 | 0.0071 | No. 80 | 80 mesh | 0.131 | 0.0052 | 33.50% |
| 0.150 | 0.0059 | No. 100 | 100 mesh | 0.110 | 0.0043 | 33.28% |
| 0.125 | 0.0049 | No. 120 | 115 mesh | 0.091 | 0.0036 | 33.49% |
| 0.106 | 0.0042 | No. 140 | 150 mesh | 0.076 | 0.0030 | 33.92% |
| 0.090 | 0.0035 | No. 170 | 170 mesh | 0.064 | 0.0025 | 34.15% |
| 0.075 | 0.0030 | No. 200 | 200 mesh | 0.053 | 0.0021 | 34.33% |
| 0.063 | 0.0025 | No. 230 | 250 mesh | 0.044 | 0.0017 | 34.67% |
| 0.053 | 0.0021 | No. 270 | 270 mesh | 0.037 | 0.0015 | 34.68% |
| 0.045 | 0.0018 | No. 325 | 325 mesh | 0.030 | 0.0012 | 36.00% |
| 0.038 | 0.0015 | No. 400 | 400 mesh | 0.025 | 0.0010 | 36.38% |





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# Wire Alloys

## Ty-Pro

### Features & Benefits

- High impact resistance
- Excellent abrasion resistance
- Advanced chemical composition

**Ty-Pro Versus the Alternatives**

| Ty-Pro | Oil Tempered | High Carbon |
|---|---|---|
| Patented process offers the ideal combination of high tensile and high ductility to obtain the optimum impact and abrasion resistance. | While wear life is generally considered good, the structure creates a brittle surface prone to breaking upon impact. | While input resistance is considered tolerable, the inconsistent structure results in shorter wear life. |

## Nickel Alloys

**NICKEL 200** is used for certain food products and to resist some chemicals such as caustics, some organic acids, and many other corrosive products.

**MONEL ALLOY 400** (1), a high nickel copper alloy, is one of the most widely used alloys for corrosion resistance. It has the strength of mild steel and will not corrode. Both monel and nickel are used for food products where sanitation is important.

## Aluminum Alloys

**1100 ALUMINUM PURE** in woven form is used mostly where its lightweight and corrosion resistance is more important than strength.

**5056 ALUMINUM** is an aluminum alloy containing magnesium, manganese and chromium. It is designed for greater strength and is the best aluminum alloy for weaving wire cloth.

**ALCLAD 5056** (4) wire has a core of 5056 aluminum encased or clad with pure aluminum. This combination provides both strength and corrosion resistance.

## Copper Alloys

**COPPER** has some favorable corrosion resistant properties, but its relatively low tensile strength and high ductility limit its application. A copper alloy is therefore usually preferred for wire cloth. Commercial or pure copper is sometimes used for its electrical properties.

**BRASS** Tyler Special Composition Brass (Cu 85%, Zn 15%) wire cloth is the preferred brass alloy for applications where non-rusting materials are needed.

**COMMON BRONZE** is a higher copper alloy (Cu 90%, Zn 10%) used in cases where a little better corrosion resistance is required than that of brass.

**PHOSPHOR BRONZE** is a high copper alloy containing from 4% to 9% tin, about 1/4% phosphorous with the balance copper. These alloys have proved very valuable in a wide range of screening, conveying and applications problems. In addition to its corrosion resisting qualities, the physical properties of phosphor bronze make it an ideal metal for weaving. Phosphor bronze is much stronger and tougher than brass and its ability to withstand cold makes it the outstanding metal for fourdrinier wires.

## Heat Resisting Alloys

**TY-CHROME 1** is a high nickel chromium alloy (Ni 60%, Cr 16%, Fe 24%) used for certain chemical conditions and for temperatures up to approximately 1,700°F (926°C).

**TY-CHROME 5** is a higher nickel chromium alloy than Ty-Chrome 1 (Ni 80%, Cr 20%) used for more severe chemical conditions and for temperatures up to 2,000°F (1,093°C).

**INCONEL 600** (1) is a high nickel chromium alloy (Ni 76.0%, Cr 15.8%, Fe 7.2%) used for corrosion resistance and temperatures up to approximately 1,800°F (982°C).

**INCOLOY 800** (1) is a nickel chromium alloy (Ni 32%, Cr 20.5%, Fe 46%) used mostly for heat treating baskets and fixtures for temperatures up to 650°F. Similar metals include Type 330 stainless steel, chromax (2) and alloy 502 (8).

**N-155** (3) is a cobalt nickel chromium iron austenitic alloy having high oxidation and scaling resistance along with high temperature properties up to 2,000°F (1,093°C).

**ELGILOY** (5) is a cobalt base alloy containing high percentage of chromium, nickel and iron. It has high fatigue resistance, high tensile strength and good corrosion resistance.

**RENE 41** (5) is a nickel base alloy with exceptionally high strength at temperatures in the range of 1,200 to 1,800°F (648 to 982°C).

**HASTELLOY** (3) **A, B, C** alloys can be supplied for especially severe conditions where heat or special corrosion resistance is required.

# Wire Alloys

## Rare Metals

Rare metals can be supplied when required including tantalum, molybdenum, silver, platinum and many others.

**(1) Trade Mark Reg. International Nickel Company. (2) Trade Mark Reg. Driver Harris Co. (3) Trade Mark Reg. Haynes Stellite Div., Union Carbide Corp. (4) Trade Mark Reg. The Aluminum Company of America. (5) Trade Mark Reg. Elgin National Watch Co. (6) Trade Mark Reg. General Electric Co. (7) Trade Mark Reg. Wilbur B. Driver Co. (8) Trade Mark Reg. Hoskins Manufacturing Co. "TY-LOY" is a registered trademark of W.S. Tyler, Incorporated.**

## Stainless Steels

*Stainless steels demonstrate longer life under severe corrosive and temperature conditions. The principal stainless steels used for woven wire cloth are:*

**TYPE 304** is the basic stainless alloy (18% chrome, 8% nickel) and is most extensively used to weave wire cloth. It has excellent corrosion resistance for most applications.

**TYPE 304 L** is the same as above except with extra low carbon content to permit welding.

**TYPE 316** is the basic 18-8 analysis stabilized by the addition of molybdenum for increased resistance to chemical corrosion. Type 316 stainless steel is used in bleach solutions where the hydrochloric acid content does not exceed 2%.

**TYPE 316 L** is the same as Type 316 except with extra low carbon content to permit welding.

**TYPE 347** is the basic 18-8 alloy, modified by the addition of columbium for stabilization of steel within the critical range of 800 to 1,500°F (815ºC). It is used where the cloth is to be welded.

**TYPE 430** is a straight chromium alloy without nickel possessing a high degree of resistance to chemical and atmospheric corrosion and oxidation up to 1,600°F (871ºC).

*Other types of stainless steels for special conditions are as follows:*

**TYPE 309** is a chrome-nickel alloy (Cr 25%, Ni 12%) developed for increased heat resistance over the basic Type 304 analysis but not equal to the high nickel alloys.

**TYPE 310** is a high temperature chrome-nickel alloy (Cr25%, Ni 20%) similar to Type 309 but more stable due to its higher nickel content.

**TYPE 317** is the basic alloy furnished with higher chromium and molybdenum content than Type 316 for increased corrosion resistance (Cr 18%, Ni 14%, Mo 3-4%).

**TYPE 317 L** is the same as Type 317 except with extra low carbon content to permit welding.

**TYPE 318** is an improved modification of the basic 18-8 alloy with the addition of molybdenum and columbium, which adds to the stabilization of the steel within temperature ranges of 800 to 1,500°F (815ºC). This also improves its qualities of resistance to corrosion and oxidation. This type combines the qualities of both Types 316 and 347.

**TYPE 321** is the same as Type 347, except for the addition of titanium instead of columbium.

**TYPE 330** is a nickel-chromium alloy used mostly for heat treating baskets and fixtures for temperatures up to 1,650°F (898ºC) (Cr 15%, Ni 35%). See Incoloy in the Heat Resisting Alloys Group.

**TYPE 410** is a straight chromium alloy without nickel, possessing excellent resistance to corrosion and oxidation but not generally used for wire cloth as Type 430.

**TYPE 446** is a high chromium steel without nickel, possessing excellent resistance to chemical corrosion and oxidation up to 2,000°F (1,093ºC).

**TYPES 501 AND 502** are low chromium alloys without nickel, possessing characteristics between carbon steel and regular stainless steels.

# Alloys For Woven Wire

| Materials | | | Advantages | Disadvantages | Applications | |
|---|---|---|---|---|---|---|
| | High Carbon Wire | Ty-Pro<br>Ty-Loy 77<br>Ty-Loy 88<br>Ty-Ger | • High tensile strength<br>• Resistant to abrasion and vibration<br>• Resistant to impact (not Ty-Loy 88) | • Corrosion<br>• Porous surface (blinding) | • Aggregate industry<br>• Production of abrasives<br>• Plansifters (also SS)<br>• Chipboard production<br>• Recycling | |
| | Stainless Steel | AISI 304<br>AISI 316<br>AISI 301 | • Plain surface<br>• No corrosion | • Lower tensile strength<br>• High price level | • Oil industry<br>• Chemical industry<br>• Ceramic industry<br>• Fertilizers<br>• Paper industry<br>• Food industry | • Aggregate industry<br>• Producers of abrasives<br>• Plansifters (also SS)<br>• Chipboard production<br>• Recycling |
| | High Tensile Stainless Steel | AISI 430 | • High tensile strength<br>• Resistant to abrasion and vibration<br>• Resistant to impact<br>• Plain surface<br>• No corrosion | • Not always chemically resistant<br>• High price level<br>• Low availability | • Oil industry<br>• Chemical industry<br>• Ceramic industry<br>• Fertilizers<br>• Paper industry<br>• Food industry | • Aggregate industry<br>• Producers of abrasives<br>• Plansifters (also SS)<br>• Chipboard production<br>• Recycling |
| | Stainless Steel | AISI 430 | • Plain surface<br>• No corrosion<br>• Magnetic | • Lower tensile strength<br>• Not always chemically resistant<br>• High price level low availability | • Food industry | |





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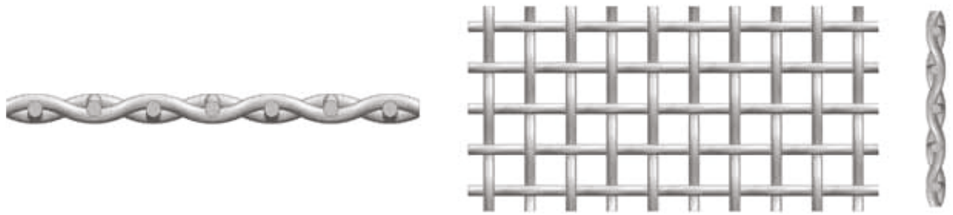
Resources • Wire Alloys

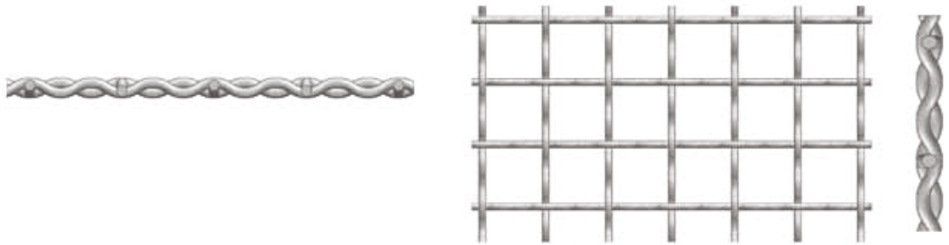
# Types of Crimps for Wire Cloth

## DOUBLE CRIMP

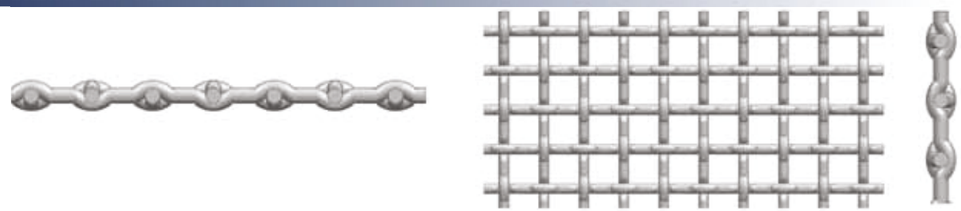


## SINGLE INTERMEDIATE CRIMP

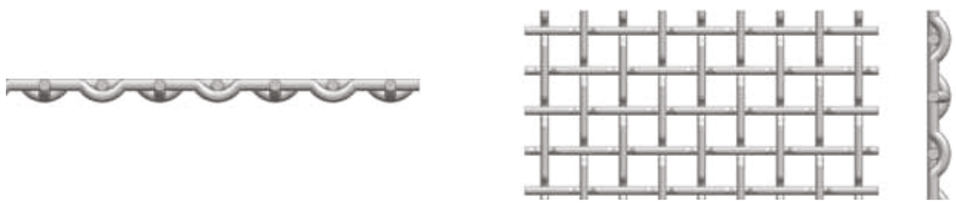
## INTERMEDIATE CRIMP



## PRESS LOCK



## FLAT TOP







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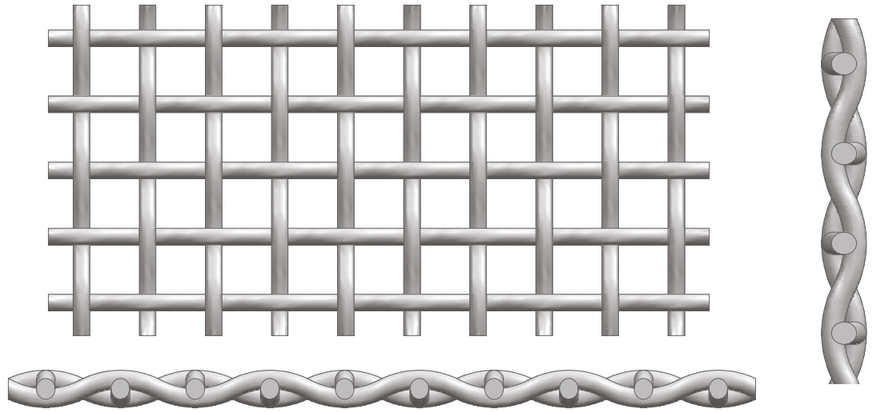
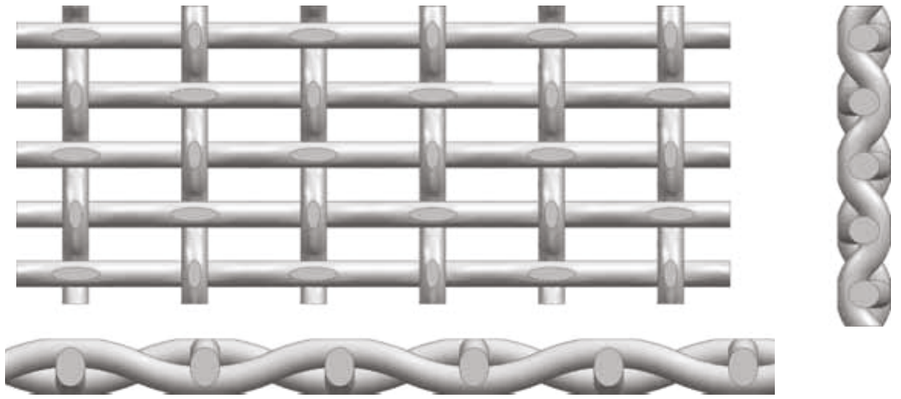
# Types of Openings for Wire Cloth

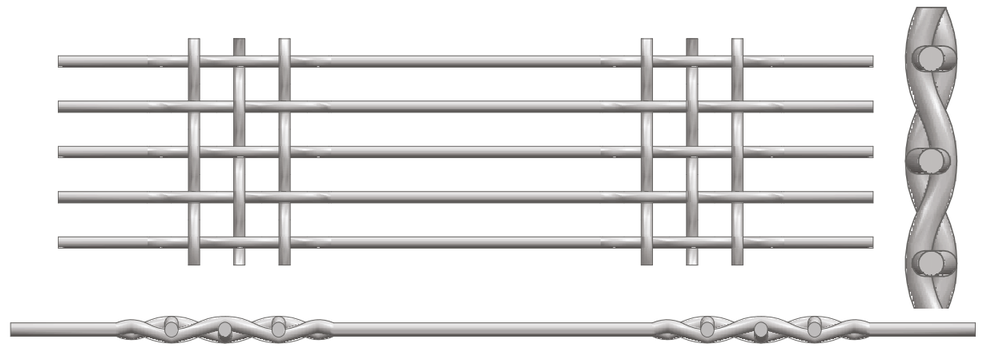
## SQUARE OPENING



## TON-CAP



## TY-ROD





Resources • Crimps & Openings

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# Screening Basics

## HOW SCREENING WORKS

**Screening:** A mechanical process that accomplishes a division of particles on the basis of size and their acceptance or rejection by a screening surface.

The process of screening is generally accomplished on a vibrating screen.

In aggregate, industrial mineral, and mining processing plants, there is a need for various stages of screening. The primary, or starting point, where material is first delivered to the plant, normally requires separations of fines from the coarse material. As the material continues on through various stages of reduction, classification is required. There is a vibrating screen specifically designed to handle each of these various screening applications.

## CALCULATING SCREEN SURFACE REQUIREMENTS

To intelligently select the proper size and type of screen, specific details of every application are necessary. Screen selection is determined using practical and theoretical knowledge. Your Tyler representative will use a formula for calculating screen surface area and make a recommendation on the vibrating screen and screen media best suited for your application.

All formulas are intended to be used only as a guide. Your Tyler Representative should be consulted for final recommendations on the vibrating screen and screen media best suited for your application.

**Important things to consider when selecting screens and screen media:**

1. What is the purpose of separation?
2. What is the shape, size, temperature and abrasiveness of the material?
3. What proportions of oversize and undersize are in the feed to the screen?
4. Is there a proportion of near size particles at the point of separation?
5. Is tonnage, accurate grading or life of screen the major consideration?
6. Will the material be screened dry, damp or with water?
7. Do the screens rust or corrode before they wear out from abrasion?
8. Is there acid or alkali action?

## CALCULATING OPEN AREA

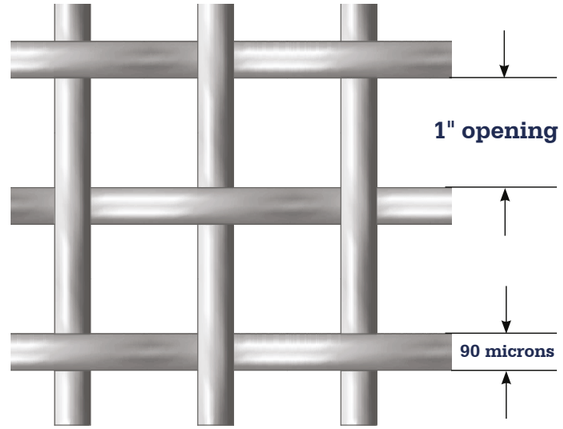
**Open Area:** The proportion of open space in a total screen area; expressed as a percentage.

**Square Opening Calculation**

Ao = 100 X (w/p)2

**Rectangular Opening Calculation**

Ao = 100 X (w1/p1)2 X (w2/p2)2




**45% open area**

## SCREENING APPLICATIONS AND THEIR PURPOSE

**Classifying/Dry Sizing:** Screening of solid materials of different sizes, typically with wide distribution of particle sizes, usually less than 5%.

**Dedusting:** A cleaning process in which dust, fine broken particles and other fine impurities are removed. The impurities are usually significantly smaller than the opening. The fines that need to be removed are usually less than 5%.

**Dewatering:** To remove the water content down to 14% or less moisture so material can be conveyed and stacked.

**Fine Screening:** Used with top sizes smaller than 0.375" (9.5mm) and with the moisture percentage less than 1%. Fine screening depends on cut size and moisture. Moisture causes particles to stick. Smaller particle sizes have a tendency to agglomerate when higher moisture levels are present.

**Load Relief:** Limits the amount of material going to the sizing deck below. This allows the sizing deck to have improved screening efficiency on a smaller amount of surface area. The oversize material of both decks is combined in the chute. The load relief deck does not produce a stand-alone product.

**Multi-Slope:** Screening with a gradually decreasing slope.


Resources • Screening Basics

# Screening Basics

## SCREENING APPLICATIONS AND THEIR PURPOSE CONTINUED

**Recycling:** The reclamation of material for environmental and financial reasons. This also reduces landfill waste. Have improved screening efficiency on a smaller amount of surface area. The oversize material of both decks is combined in the chute. The load relief deck does not produce a stand-alone product.

**Reject:** To prevent the odd piece of oversized material from passing the undersized material. The amount of reject particles is typically 5%.

**Scalping**: To remove the coarsest size fractions in the feed material.

**Wet Sizing:** Assists in separation of sticky materials. The addition of water increases its capacity and improves its sizing efficiency.

## CLASSIFYING / DRY SIZING

Dry Sizing is the separation of material into different sized products. Smallest cut sizes are approximately 0.18mm. For smaller cut sizing, material test screening is recommended to determine specific screening capacities.

**Purpose:** Dry sizing is screening of solid materials of different sizes, typically with wide distribution of particle sizes.

**How it Works:** Material is fed to the desired screen evenly across the width of the screen.

**Quick Facts:**

- Material is < 4% moisture when screening material > 1/2".

**Machine Type:** Typical machines used for dry sizing are the **S-Class, T-Class, F-Class, L-Class, XL-Class** and **UML-Class.**

**Media Type:** All types of media can be used.

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| 6 - 8 times the opening | At least 2 times the sizing deck opening | 20º for F, T, S<br>0º for XL, L, UML | Application dependent |





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## DEDUSTING

Dedusting removes fine broken particles and dust from the feed material.

**Purpose:** Dedusting is a cleaning process in which dust, fine broken particles and other fine impurities are removed. The impurities are usually significantly smaller than the opening. The fines that need to be removed are usually less than 5%.

**How it Works:** High volumes of material are typically fed onto a horizontal screen. The depth of the layer is usually 4"-6" deep. The finer particles pass the deck openings.

**Quick Facts:**

- High tonnage per sq. ft. of screening surface.
- Dedusting requires lower transport speed than for sizing applications.

**Machine Type:** The typical machines used for dedusting are **XL- Class, L-Class** and **UML-Class.**

**Media Type:** The media that is used has an opening that is large enough to permit a quick discharge of fines, while retaining the majority of the product. Perforated plate is commonly used.

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| 4" - 6" (100mm - 150mm) | Slotted cross-flow or herringbone pattern | 0º | Usually < 5% is less than opening size chosen |

## DEWATERING

Most of the processes for mineral separation and classification consume large amounts of water. Different types of machinery and equipment have been developed to recover the water used for processing and to produce a final product that is easy to transport and store. One such method is called dewatering screen.

**Purpose:** To remove the water content down to 14% or less moisture so material can be conveyed and stacked. Dewatering on a vibrating screen produces a dense, compact filter cake that moves to the screen deck.

**How it Works:** Typically the screen deck is declined - 3° (negative slope). The filter cake traps smaller particles and allows water to pass through to the screen deck openings.

Dewatering in mineral processing is normally a combination of the sedimentation and filtration methods.

Resources • Screening Basics

# Screening Basics

## DEWATERING CONTINUED

The bulk of the water is removed in the first one third of the machine by sedimentation. This thickening of the material produces a pulp of 55-65% solids by weight. Up to 80% of the water can be separated at this stage. Filtration of the thickened pulp then produces a moist filter cake of between 80 and 90% solids. Filtration is the process of separating solids from liquid by means of the porous filter cake that retains the solid but allows the liquid to pass.

**Quick Facts:**

- Relatively inexpensive way of removing water
- Very low energy consumption per ton
- Easy operation
- High capacity
- Produces a product that can be stockpiled

**Machine Type:** Typical machines used for dewatering are **XL-Class, L- Class** and **UML-Class.**

**Media Type:** Polyurethane and profile wire are the best media options for dewatering screening.

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| 4" - 6" (100mm - 150mm) | ≥ 300$\mu$m | -3° | Min 40% particles > 300$\mu$m |

## FINE SCREENING

Fine screening is used to screen material with top sizes smaller than 0.375" (9.5mm) and with the moisture percentage less than 1%. Fine screening depends on cut size and moisture. Moisture causes particles to stick. Smaller particle sizes have a tendency to agglomerate when higher moisture levels are present.

**Machine Type:** Typical machines used for fine screening are **L-Class, XL-Class, UML-Class, H-Class** and **Fine Line.**

**Media Type:** Wire cloth is used for fine screening.

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| 6 - 8 times the opening | Max opening < 1/8" (3.2mm)<br><br>Min. size to be screened 0.1mm | 34° for H<br>Variable for Fine Line<br>0° for XL, L, UML | Application dependent |





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## LOAD RELIEF DECK

A load relief deck is required when the volume of material is too large for one deck.

**Purpose:** A load relief deck limits the amount of material going to the sizing deck below. This allows the sizing deck to have improved screening efficiency on a smaller amount of surface area. The oversize material of both decks is combined in the chute. The load relief deck does not produce a stand alone product.

**How it Works:** By calculating the appropriate opening for the first deck, you can limit the amount of material to the second deck and achieve better screening results. The overs of both decks can then be brought together for further processing or to be discarded.

**Quick Facts:**

- Typically spray bars are required for wet load relief
- Load relief deck is minimum 2 times the sizing deck opening
- A load relief deck is usually ineffective when the material is high in near size material particles

**Machine Type:** All types of machines can be used in load relieve applications.

**Media Type:** Wire cloth, polyurethane, rubber and perforated plate are the best media options for load relieve screening.

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| 6 - 8 times the opening | At least 2 times the sizing deck opening | 20° for T, F, S<br>0° for XL, L, UML | Application Dependent |

## MULTI-SLOPE DECKS

Multi-slope screens (also called banana screens) refer to a screen with gradually decreasing slope.

High inclination at the feed end causes increased material velocity. This keeps the layer depth minimal at the feed end. As fine materials pass through the deck and material moves along on the deck, the reduced inclination will result in reduced material transport speeds for better screening efficiency.

**Purpose:** Multi-slope decks achieve more evenly distributed material layers. They also enable large screening surfaces and large capacities. The multi-slope deck principle is mostly effective for feed materials that contain more than 50% of fine particles and more than 30% half cut size materials.

Resources • Screening Basics

# Screening Basics

## MULTI-SLOPE DECKS CONTINUED

**How it Works:** Material is fed to the step part of the deck. As material goes over the initial part of the deck at a high velocity, a high percent of fines are passed. The gradual lowering of the deck angle slows the material velocity so the near size particles have an opportunity to pass.

**Quick Facts:**

- The feed material can be wet or dry screening.
- Typically 5° decrease from each section.

**Machine Type:** Typical machines used for banana **T-Class, F-Class, L-Class** and **XL-Class.**

**Media Type:** All types of media can be used for screening on multi-slope decks.

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| 6 - 8 times the opening | Application dependent | Usually decks are muti-slope from 40º down to between 0º and 15º | 50% particles < fine particles and 30% particles < half cut size material |

## RECYCLING SCREENING

Recycling is the conversion of waste products into reusable materials. The feed materials are a mixture of different material with different properties, shapes and sizes.

Recycling can be separated in categories such as:

- Recycling building materials
- Recycling glass
- Recycling plastic
- Recycling residential waste
- Recycling scrap
- Recycling slag

**Purpose:** Recycle screening is the reclamation of material for environmental and financial reasons. This also reduces landfill waste.

**How it Works:** The operation is similar to that of a normal screening application except special consideration should be given to the media being used due to the irregular shapes and sizes of the material.





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## RECYCLING SCREENING CONTINUED

**Machine Type:** Typical machines used for recycling are **XL- Class, L-Class** and **UML-Class.**

**Media Type:** All media selection depends on the material that has been used.

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| 6 - 8 times the opening | Application dependent | 20º for F, T<br>0º for XL, L, UML | Application Dependent |

## REJECT

Reject screens offer safety against foreign bodies, oversize material lumps, agglomeration and other oversize particles that might cause harm later in the process. Typically the oversize particles have no value.

**Purpose:** The purpose of a reject screen is to prevent the odd piece of oversized material from passing the undersized material. The amount of reject particles is typically 5%.

**How it Works:** Large volumes of material are fed to a slightly inclined screen. Material generally passes quickly because the half cut size is usually a high percent of the feed.

**Quick Facts:**

- Low screen angles
- High output when compared to sizing applications
- Very small amount of material on the deck
- Openings are considerably larger than product size
- Typically spray bars are required for wet reject screening

**Machine Type:** All types of machines can be used in reject applications.

**Media Type:** Wire cloth, polyurethane and perforated plate are the best media options for reject screening.

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| Minimal | Application dependent | 15º for T, F, S<br>0º for XL, L, UML | > 95% |

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# Screening Basics

## SCALPING

In the early stages of material processing, a rough separation of materials might be required. The scalping process accomplishes this by a low efficiency separation. The oversize or undersize material may be processed further in the circuit.

**Purpose:** Scalping removes the coarsest size fractions in the feed material.

**How it Works:** Material is fed onto the inclined screen. The majority of fines pass the screen deck but efficiency may be low.

**Quick Facts:**

- 70% to 75% screen efficiency
- Typically the sizes of scalped particles must be at least 3 times the sizes of the opening
- Scalping is typically performed on the 1st deck of screening

**Machine Type:** Machines used for scalping are the **N-Class, F-Class, and T-Class**. Machine types may depend on size of bigger lumps.

**Media Type:** Perforated plate and grizzly bars are the best solutions.

**Perforated plate:**

- Round openings
- Bolt down
- Flat deck

**Grizzly bars:**

- Tapered, wider opening at the discharged end
- Height of grizzly bars above supporting cross-members has to be sufficient to allow material sliding between bars to pass
- Typically made from cast manganese

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| 6 - 8 times the opening | Application dependent | 15° | Application dependent |

## WET SIZING

Assists with the separation of sticky materials.

Spray systems can aid in screening by washing material through the openings. Typically equal amounts of material and water are required. Incline screens are estimated to require 50% less water. Smallest cut sizes are approximately 0.18 mm.

The spray bars can increase the specific screen capacity.

Horizontal screens tend to dry the material quickly because water passes the opening quickly. Incline screens have a higher moisture level in the material coming off the discharge end. Moisture is estimated at 20% to 23% for an incline screen and 15% for a horizontal. Coarser material produces a drier product.
Higher speed screens aid to separate material from water faster (dewatering effect).

**How it Works:** Water supply, piping, nozzles and wet fines collection systems are required.

**Purpose:** Wet sizing assists in separation of sticky materials. Also the addition of water increases its capacity to improve its sizing efficiency.

**Quick Facts:**

- Assists in separation of sticky materials
- Flushes fines through deep bed depths
- Increases efficiency

**Machine Type:** Typical machines used for wet sizing are the **S-Class, T-Class, F-Class, L-Class, XL-Class** and **UML-Class.**

**Media Type:** All types of media can be used.

**Operating Conditions:**

| Layer Depth | Opening | Screen Deck Angle | Feed Sieve Analysis |
|---|---|---|---|
| 6 - 8 times the opening | At least 2 times the sizing deck opening. | 20° for F, T, S<br>0° for XL, L, UML | Application dependent |


Resources • Screening Basics

# Glossary

## A

**AMPLITUDE** (See Related Term: Stroke)
The distance from the mean position to the point of maximum displacement. In the case of a vibrating screen with circular motion, amplitude would be the radius of the circle. In the case of straight-line motion or elliptical motion it would be one-half of the total movement or one-half of the major axis of the ellipse; thus ½ stroke.

**ANGLE** (See Preferred Term: Slope)

**APERTURE**
Opening in screening surface. Also known as clear opening.

**ARCH** (See Preferred Term: Crown)

**AUTOMATIC LUBRICATION**
Equipment for injecting lubricant into bearings at a controlled volume and frequency.

## B

**BACKPLATE**
A closure plate across feed end of a screen to prevent spillage.

**BALL DECK**
A special deck which retains balls that strike the underside of the screening surface.

**BASEFRAME**
Stationary structure immediately supporting the vibrating body.

**BASE MOUNTED**
Denotes vibrating screen supported from structure below, as opposed to overhead suspension.

**BAR RAIL LINER**
Resilient material, usually rubber, covering the support bars.

**BEARING**
A mechanical vibrator component, usually of the roller type, allowing rotation of the shaft on which it is mounted.

**BEARING HOUSING**
A mechanical vibrator component that holds the outer race of the bearing.

**BEARING SEAL**
A mechanical vibrator component between the rotating and stationary elements, which retains lubricant and excludes foreign matter. Examples are: labyrinth and contact seals.

**BED DEPTH** (See Preferred Term: Depth of Bed)

**BLANK PLATE SECTION**
A form of carrying pan applied like a screen section.

**BLINDING** (See Related Term: Coating and Plugging)
A reduction of open area in a screening surface caused coating or plugging.

**BODY** (See Preferred Term: Vibrating Body)

**BONE-DRY**
Material having no surface moisture.

**BOTTOM PLATE** (See Preferred Term: Carrying Pan)

**BRACE FRAME** (Brace Strut)
Sideplate spacing structural assembly, used in place of support frame.

## C

**CABLE** (See Preferred Term: Wire Rope)

**CAMBER** (See Preferred Term: Crown)

**CAPACITY**
The maximum feed rate that a screen can handle, at a given efficiency.

**CARRYING PAN**
A collecting surface located below a screen deck receiving and conveying the product from the screen surface. Also known as collecting pan.

**CIRCLE THROW**
Motion of a vibrating screen which vibrates in a vertical, substantially circular pattern. Also known as circular stroke.

**CIRCULATING LOAD** (See Preferred Term: Recirculating Load)

**CLAMP PLATE STOP**
A small block or bar attached to the inside of the sideplate to limit upward movement of a clamp plate.

**CLAMP STRIP**
Any member above the screening surface holding it down to the support frame.

**CLASSIFICATION**
The process of approximate grouping of material by density or size through the mechanical use of a fluid (air or liquid) medium.

**CLEAR OPENING** (See Preferred Term: Aperture and/or Space Cloth)

**CLOGGING** (See Preferred Term: Plugging)

**CLOTH** (See Preferred Term: Woven Wire Screen Cloth)





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Resources • Glossary

# Glossary

## C

**COATING** (See Related Term: Blinding)
A condition where undersize particles cement over the apertures of the screening surface by virtue of stickiness (generally resulting from moisture content).

**COLLECTING PAN** (See Preferred Term: Carrying Pan)

**CONTAMINATION**
The oversize or undersize material (or both), present in a product. Usually expressed as a percentage of the product.

**CONVEYING SPEED** (See Preferred Term: Rate of Travel)

**COUNTERFLOW**
Rotation of vibrator shaft such that the top of the shaft is rotating towards the feed end of the machine, or against the flow of the material.

**COUNTERWEIGHT**
A rotating off-center weight.

**COUNTERWEIGHT SHAFT** (See Related Term: / eccentric shaft)
A vibrator component, which has a portion between journal sections with center of mass eccentric to the journals.

**CRITICAL SPEED** (See Related Term: Resonance)
Condition at which the imposed frequency of vibration approximates the natural frequency of the mass-spring system. Usually applied in circumstances where the effects produced are undesirable.

**CROWN**
The convexity of a screen deck, or the difference in elevation between high and low points.

## D

**DAM**
An obstruction to the flow of material, mounted on the screening surface.

**DAMPING OR DAMPENING**
The reduction of vibration by external means.

**DECK**
A vibrating screen component consisting of a support frame, screening surface and accessories.

**DEGRADATION**
The broken material caused by handling or weathering.

**DEPTH OF BED**
Thickness of the layer of material traversing a screen surface.

**DESLIMING**
Removal of extremely fine particles from a wet material by passing it over a screening surface.

**DEWATERING**
Separation of solids from liquid.

**DISCHARGE LIP**
Extension at the discharge end of the screen deck. It may be vibrating or stationary.

**DIVIDED DECK**
A deck having a screening surface longitudinally divided by a partition(s).

**DOUBLE CRIMPED**
A term applied to woven wire screen cloth, when the wires in both directions are corrugated.

**DRAW PLATE**
A plate located above the screening surface at the side-plate, which holds down the edge of the screen surface, and forms a seal to the sideplate.

**DRIVE**
All the immediate elements used to provide power to the screen, such as V-belts, sheaves, motor and motor base.

**DRIVE GEAR**
A gear which propels another gear.

**DRIVEN GEAR**
A gear which is propelled by another gear.

**DRIVE GUARD**
The enclosure for the power transmission elements between the screen and the immediate power source.

**DRY SCREENING**
Separation of material without the addition of a liquid.

**DUST ENCLOSURE**
Any type of encasement around a vibrating screen for the purpose of controlling dust.

**DUST ENCLOSURE-OPEN SIDED**
A stationary enclosure with seals extending to the vibrating frame to allow free access to the sideplates for cloth tensioning, with or without air intake or exhaust.

**DUST HOOD**
A stationary cover over the top deck, with provision for dust exhaust.

**DUST SEAL**
A dust restraining member between a stationary enclosure and vibrating frame.





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# Glossary

## E

### ECCENTRIC
An assembly mounted on an off-center portion of a shaft, and used to convert rotary motion to reciprocating motion.

### ECCENTRIC SHAFT (See Related Term: Counterweight Shaft)
A vibrator component, which has journal sections turned on eccentric centers, or on which eccentric hub(s) or sleeve(s) is mounted. In the case of the F-Class (Ty-Rock) the eccentric shaft produces the circle throw.

### ECCENTRICITY
The fixed dimension from center obtained from machining a shaft off-center.

### EDGE PREPARATION
The fabrication (i.e., hooks, flanges, binders) on the edges of a screen section, which accepts the tension member.

### EFFECTIVE SCREENING AREA, OR NET EFFECTIVE AREA
Portion of screen deck available for material separation.

### EFFICIENCY
The degree of accuracy at which a screen performs a given particle size separation. Specifically: The percent of the undersize in the feed, that actually passes through the screening surface or:

$$\text{Efficiency} = \frac{\text{\% of feed which actually passes though}}{\text{\% undersize in feed (should pass through)}}$$

*Efficiency of undersize recovery not to be confused with contamination (see definition).

### ELECTRICALLY HEATED SCREENING SURFACE
A screening surface which is heated by virtue of the surface itself acting as electrical resistance.

### ELECTRO-MAGNETIC
Denotes a machine or vibrator which has motion created by an electromagnet.

### END STAGGER (See Related Term: Side Stagger)
A term used to describe a perforated configuration of elongated apertures where the short axes of the apertures fall in line on every row, but the long axes of only every other row fall in line, i.e., "staggered" when looking into the end of the aperture.

### END TENSION
Tensioning of a screening surface parallel to the material flow.

### EXCITER
A term used for the vibrator on a machine which operates on the resonant principle.

## F

### FEED
The material presented to a screen for processing.

### FEEDER
A conveying device by which the rate of delivery of material may be controlled.

### FEED BOX
A feed end extension of the vibrating frame which accepts the feed.

### FEED PLATE (See Preferred Term: Feed Box)

### FILLER RING
A mechanical vibrator component inserted in bearing housing, restricting lateral movement of bearing race.

### FINGER DECK
A type of screening surface usually made up of round rods, arranged parallel to each other, replaceable individually or in small sections.

### FINES
Material having particle size substantially smaller than a specified aperture. Sometimes used synonymously with undersize, but not recommended.

### FINES HOPPER
A receptacle located below the screen deck, to collect fines. May be vibrating or stationary.

### FIXED SCREEN (See Preferred Term: Stationary Sieve)

### FLOAT (Product)
The lightest weight material fraction from a density separation.

### FLOAT (Bearing)
The amount of lateral movement provided for expansion between two parts.

### FLOODING
Feeding screen beyond its capacity.

### FLOOR MOUNTED (See Preferred Term: Base Mounted)

### FLOOR STAND (See Preferred Term: Pedestal)

### FLOW ROTATION (See Preferred Term: Withflow)

### FLOWSHEET
A schematic drawing showing the various operations of a process.

### FLY WHEEL (See Preferred Term: Counterweight)

### FOUR BEARING (See Preferred Term: Positive Stroke)

### FREQUENCY (See Related Term: Speed)
The number of times an event repeats itself per unit of time.

### FRICTION CHECK
A motion dampener of the friction brake type which minimizes stroke build-up during start and stop, and may also laterally stabilize a screen during operation.

### FRONT PLATE
A closure plate across discharge end of a screen, below the screening surface.

# Glossary

## G

**G-FORCE**
The acceleration of gravity. Accelerations are usually expressed as multiples of one gravity (i.e. 1G, 2G, 3.6G).

**GRIZZLY**
A heavy duty screening surface consisting of a series of spaced bar, rail, or pipe members running in the direction of material flow. May be either stationary or vibrating.

**GYRATING SCREEN** (See Preferred Term: Vibrating Screen)

## H

**HALF-SIZE**
Material having particle size smaller at least in one dimension than one half of a specified aperture.

**HAND**
A designation of right or left used to indicate a specific side of a vibrating screen. It is determined when facing in direction of material flow, as it moves away from the viewer.

**HEAD** (See Preferred Term: Vibrator)

**HEADROOM**
Technically, the difference in elevation between the 'working-points' of the feed end of the top deck screening surface and the discharge end of the bottom deck screening surface. Not to be confused with overall height or vertical clearance.

**HEATED DECK** (See Preferred Term: Electrically Heated Screening Surface)

**HIGH SPEED**
A very relative term referring to the operating frequency of a screen. Used to indicate rpm generally in excess of 3000.

**HOLDDOWN BAR** (See Preferred Term: Clamp Strip)

**HOOK BAR**
A type of tension clamp which engages a downturned edge of a screen section.

**HOOK BOLT**
A type of tension hardware which engages a downturned edge of a screen section.

**HOOK STRIP** (See Preferred Term: Edge Preparation)

**HORIZONTAL SCREEN**
A type of vibrating screen having motion that is substantially straight-line in a vertical plane, inclined in the direction of material flow.

**HOUSING** (See Preferred Term: Dust Enclosure)

## I

**INCLINED SCREEN**
A type of vibrating screen with circle throw motion, installed at a predetermined angle.

**INFLUENT**
The liquid flowing to a screening surface.

**INHERENT MOISTURE**
Liquid, usually water, held within the particle.

**INERTIA WEIGHT** (See Preferred Term: Wire Rope Stabilizer)

## J

**J-BOLT**
A fastening device which engages a support bar and holds down the screening surface.

**JOURNAL**
The portion of a shaft on which a bearing is mounted.

## L

**LEDGE ANGLE**
Structural frame attached to the sideplates that acts as a support for the screening surface.

**LIVE FRAME** (See Preferred Term: Vibrating Frame)

**LONGITUDINAL BAR** (See Preferred Term: Support Bar)

## M

**MARGINAL PARTICLES** (See Preferred Term: Near-Size)

**MESH**
Number of openings (and fraction thereof) per linear inch, counting from the center of a wire.

**MOTOR BASE**
The immediate device on which the motor is mounted, usually providing for belt takeup adjustment. Includes such types as slide rail, pivoted, and spring loaded.

**MULTIPLE-SLOPE DECK** (also known as multi-slope)
A screen deck in which successive screening surfaces of the same deck are at varying angles.

**MULTIPLE-SLOPE DECK SCREEN**
A screen with decks at different angles.

# Glossary

## N

**NEAR-SIZE**
The material very close to the size of the aperture, generally considered as plus or minus 25% of the aperture.

**NON-VIBRATING ENCLOSURE**
A type of dust enclosure where hoods, covers, or pans are attached to the vibrating frame as an integral part.

## O

**OIL MIST LUBRICATION**
A continuous automatic, non-recirculative lubrication system using compressed air to mist oil.

**OPEN AREA** (or Percent Open Area)
Ratio of the area of the apertures to the total area of the screening surface.

**OVERS** (Product)
The actual material that passes over a screen surface, including contamination.

**OVERSIZE**
Material having particle size larger at least in one dimension than a specified aperture.

## P

**PEDESTAL**
Supports for a base mounted screen.

**PERCENT SOLIDS**
Commonly specified by weight but may be specified by volume.

**PEGGING**
The wedging or jamming of openings in a screen medium by particles, preventing passage of undersize material.

**PERFORATED PLATE**
A steel plate, with various shape openings used for the purpose of separating material.

**POSITIVE STROKE**
Refers to any vibrating unit having a vibrator with substantially fixed out-board bearings, and with stroke determined by eccentricity of the shaft.

**PROFILE WIRE** (See Related Term: Deck Preparation)
A type of screening surface using wires of various shapes in cross sections, running substantially parallel to each other.

## R

**RATE OF TRAVEL**
The speed of material over the screening surface, usually expressed in feet per minute.

**RECIRCULATING LOAD**
Material that is rejected (oversize or undersize) in a V screening operation, sent to process machinery for further treatment and then returned (recirculated) to the original screen.

**RECYCLE** (See Preferred Term: Recirculating Load)

**REJECTS**
A general term applied to unwanted material, either oversize or undersize.

**RESONANCE**
The frequency at which any mass-spring system will vibrate naturally (natural frequency).

**RETENTION TIME**
The time any given particle of material is actually on the screen surface.

**RIGHT HAND** (See Related Term: Hand)

**RINSING**
Washing of fines or foreign material from the feed.

## S

**SCALPER**
A vibrating screen used for scalping at any aperture.

**SCALPING**
Strictly the removal of a small amount of oversize from a feed which is predominantly fines. Typically, the removal of oversize from a feed with approximately 50% oversize, and a minimum of 50% half-size.

**SCREEN** (See Related Terms: Shaker, Sifter, and Vibrating Screen)
A machine with screening surface(s) used to classify materials by size.

**SCREEN BOX** (See Preferred Term: Vibrating Frame)

**SCREEN CLOTH** (See Preferred Term: Woven Wire Screen Cloth)

**SCREEN SECTION**
A finished piece of screening surface complete with edge or other preparation.

**SCREENING**
A mechanical process which accomplishes a division of particles on the basis of size, and their acceptance or rejection by a screening surface.

**SCREENING SURFACE**
The medium containing the apertures for passage of the undersize material.

**SEAL** (See Preferred Terms: Bearing Seal and Dust Seal)

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# Glossary

## S

### SEAL STRIP
Transverse or longitudinal member, or sealing medium, at joint and/or end of screen sections.

### SELVAGE
A finished edge of woven wire screen cloth produced in the weaving process of the finer meshes.

### SEPARATION
The specific process of particles being presented to apertures, and being rejected if larger than the opening or passed through if smaller.

### SHAFT HOUSING
Structural component protecting the vibrator shaft(s) and normally extending between the sideplates.

### SHEAR MOUNTS
Resilient supports, usually rubber, where the flexible member is loaded in shear.

### SHUTE WIRES
Wires running perpendicular to the length of cloth, as woven.

### SIDE STAGGER (See Related Term: End Stagger)
A term used to describe a perforated configuration of elongated apertures where the long axes of the apertures fall in line on every row, but the short axes of only every other row fall in line; i.e., "staggered" when looking into the side of the aperture.

### SIDE TENSION
Tensioning of a screening surface across the direction of material flow.

### SIDEPLATE
Structural component of vibrating frame to which vibrator and decks are attached.

### SIEVE (See Preferred Term: Testing Sieve)

### SIEVE ANALYSIS
A statement by particle size and percentages of the amount of material in various particle size groupings.

### SIEVE BEND (See Related Term: Stationary Sieve)
Stationary, profile wire surface usually having a curved portion.

### SIFTER
A screen with rotary motion substantially in the plane of the screening surface.

### SKID BARS
Longitudinal members attached to the top of the screening surface.

### SKIRT PLATE
A member attached to the sideplate above the screening surface, which seals the gap between it and the sideplate, and/or restrains overflow of material.

### SKIRTBOARD (Stationary)
A member supported independent of the vibrating body, above the top deck, inside the sideplates, to restrain overflow of material.

### SNUBBER
A flexible device that restricts motion.

### SQUARE OPENING
Denotes class of screen cloth, the specification for which is determined by measuring the opening, rather than mesh.

### SPEED
The frequency at which a vibrating screen operates, usually expressed in rpm.

### SPLIT DECK (See Preferred Term: Divided Deck)

### SQUARE MESH (See Preferred Term: Mesh)

### STABILIZER(See Preferred Term: Friction Check)

### STATIONARY ENCLOSURE
A type of dust enclosure supported independent of the vibrating frame.

### STATIONARY SIEVE
A screening surface usually employing a profile wire, commonly sloped.

### SIDE TENSION
Tensioning of a screening surface across the direction of material flow.

### STEP DECK
A series of screening surfaces, each located in progressively lower parallel planes along the vibrating screen.

### STEP WASHING PLATES (See Preferred Term: Trough)

### STRAIGHTLINE MOTION (See Preferred Term: Support Frame Horizontal Screen)
Stratification, the process or phenomena whereby the larger size particles rise to the top of a bed of material being shaken or vibrated, while the smaller size particles sift through the voids and find their way to the bottom of the bed.

### STROKE (See Related Term: Amplitude)
The distance between the extremities of transverse; i.e., the diameter of circular motion.
Also used synonymous with "motion"; i.e., straightline "stroke".

### STROKE CARD (See Related Term: Stroke Indicator)
Card on which the motion of the screen is inscribed. Accomplished by attaching card to sideplate and holding a stationary marker against the card.

### STROKE INDICATOR (See Related Term: Stroke Card)
A device attached to the sideplate from which stroke can be read directly.

### SUPPORT BAR
Members of the screening surface support frame that form the crown of the deck.
Also known as bar rail, bridge rail, bucker-up bar or longitudinal bar.

### SUPPORT FRAME
A vibrating frame component, which supports the screening surface.

### SUPPORT TRAY
An easily removable unitized form of support frame.

### SURFACE MOISTURE
The film of liquid (usually water) adhering to the exposed surface of the particle.

### SUSPENDED SCREEN
A screen hung from overhead.


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# Glossary

## T

**TAILING**
Waste product in ore classification.

**TENSION BOLT** (See Related Term: Wedge Bolt Tensioner)
Threaded bolt used with tension.

**TENSION RAIL**
A general term for any of a number of devices which engage the edge of the screen surface, and pull it taut over the support frame.

**TENSION PLATE**
Type of tension member that is located above the screening surface, and closes the gap between the edge of the screen surface and the sideplate.

**TENSION PLATE STOP**
A small block or bar attached to the inside of the sideplate to limit upward movement of a tension plate.

**TENSION SKIRTBOARD** (See Preferred Term: Tension Plate)

**TENSIONING**
The stretching of the screening surface within the vibrating frame.

**TESTING SIEVE**
A cylindrical or tray like container with a screening surface bottom of standardized apertures.

**THROW** (See Preferred Term: Stroke)

**THRUS** (Product)
The actual material that passes through a screening surface, including contamination.

**THRUST RING** (See Preferred Term: Filler Ring)

**TOTAL MOISTURE**
The sum of inherent and surface moisture.

**TOTALLY ENCLOSED** (See Preferred Term: Dust Enclosure)

**TRAY DECK**
An easily removable unitized form of deck.

**TROUGH** (Repulping or Washing Trough)
A transverse, solid deck portion between screen sections.

**TUBE HOUSING** (See Preferred Term: Shaft Casing)

**TWO BEARING**
Refers to any vibrating unit that employs a single shaft with two bearings.

## U

**U-BOLT** (See Related Term: J-bolt)
A fastening device which engages a support bar and holds down the screening surface.

**UNDERSIZE**
Material having particle size smaller, at least in one dimension, than a specified aperture.

## V

**VIBRATING** (See Preferred Term: Vibrating Screen)

**VIBRATING BODY**
Complete vibrating screen other than stationary items.

**VIBRATING ENCLOSURE**
A type of dust enclosure where hoods, covers, or pans are attached to the vibrating frame as an integral part.

**VIBRATING SCREEN**
A screen with motion in a vertical plane which operates generally above 600 rpm at less than 1" stroke.

**VIBRATOR** (See Related Term: Exciter)
The stroke inducing mechanism of any vibrating equipment, mechanical or electro-magnetic. Sometimes incorrectly used to designate vibrating screen.

**VIBRATING ENCLOSURE**
A type of dust enclosure where hoods, covers, or pans are attached to the vibrating body.

## W

**WARP WIRES**
Wires running parallel to length of cloth, as woven.

**WEDGE BOLT TENSIONER**
A slotted bolt and wedge assembly used with tension rail.

**WET SCREENING**
Separation of material with the addition of vehicles such as water.

**WIRE ROPE STABILIZER**
Weights that are attached to wire rope suspension cable to prevent their whipping.

**WIRE ROPE SUSPENDED** (See Preferred Term: Suspended Screen)

**WOVEN WIRE SCREEN CLOTH**
A type of screening surface, woven in square, rectangular or slotted openings.


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# Standard Terms and Conditions of Sale

W.S. Tyler is committed to giving our customers the best possible experience. Our Standard Terms and Conditions of Sale serve as a guide to make your buying experience both efficient and satisfying.

## PAYMENT TERMS:

Upon credit approval, W.S. Tyler Canada Ltd. offers standard payment terms of: 1.5% discount on invoices paid in full within 10 days or full payments made within 25 days of the invoice date. (1.5% 10, Net 25)

## CREDIT:

Credit is available through W.S. Tyler Canada Ltd. Please see page 242 for the credit application and contact the W.S. Tyler Finance Department to establish a credit limit. W.S. Tyler Canada Ltd also accepts Visa and MasterCard.

W.S. Tyler Canada Ltd.
Finance Department
225 Ontario St.
St. Catharines, ON, L2R 7B6

Office: (905) 688-2644
Toll Free: (855) 978-9537
Fax: (905) 688-6940

## QUOTATIONS:

All terms and conditions stated on W.S. Tyler Canada Ltd quotations apply once a customer has agreed to purchase the product.

## PURCHASE ORDER:

A purchase order number is required for all orders. The purchase order number will be referenced on the buyer's invoice.

## FREIGHT:

All sales are Ex Works (EXW) W.S. Tyler Canada Ltd or, in special circumstances, a designated third party location.

## RETURN POLICY:

Due to the specialized manufacturing of our products, returns must be pre-authorized, within 60 days of purchase.

Custom products are subject to a 50% restocking fee and standard products are subject to a 30% restocking fee.

To obtain return authorization and instructions please contact your customer service representative.





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# Credit Application

### 1. Contact Information

| Full Business Name: | | Primary Phone Number: |
|---|---|---|
| Street Address: | | P.O. Box: |
| City: | Province or State: | Postal or Zip Code: |
| Accounts Payable Contact Name: | Accounts Payable E-Mail Address: | Accounts Payable Telephone Number: |
| Purchasing Contact Name: | Purchasing E-Mail Address: | Purchasing Telephone Number: |

### 2. Corporate Ownership

| Business Type: | | Number of Years in Business: |
|---|---|---|
| ☐ Corporation ☐ Partnership ☐ Proprietorship | | |
| GST/HST Registration Number - Canada: | Federal Tax ID Number - U.S.A.: | |

### 3. Trade References

| Company Name: | Fax Number: | Contact Name: |
|---|---|---|
| Company Name: | Fax Number: | Contact Name: |
| Company Name: | Fax Number: | Contact Name: |

### 4. Initial Order Request (Optional)

| Item Number: | Page Number | Item Description: | Details: |
|---|---|---|---|
| Item Number: | Page Number | Item Description: | Details: |
| Item Number: | Page Number | Item Description: | Details: |
| P.O. Number | | | |

### 5. Credit Card Information (Expedites Initial Order)

| Visa or MasterCard: | Expiration Date: | Credit Card Number: |
|---|---|---|

### 6. Please read the attached Terms and Conditions

**In consideration of credit extension, applicant (customer) agrees that all transactions made shall be governed by W.S. Tyler's standard** terms and conditions of sale.

| Signature of Applicant: | Date: |
|---|---|
| Print Name and Title of Applicant: | Applicant's Telephone Number: |

# Tyler Cash

*The **TYLER CASH** program helps reduce operating costs while keeping your equipment operating longer and at peak performance. This simple program softens the blow of costly screen media, parts, and on-site service through **TYLER CASH** coupons.*

## Tyler Cash Specifics

### COUPONS WORTH $100 EACH.

Coupons can be redeemed on screen media and standard vibrating screen spare parts and onsite services.


**SAVE ON YOUR PARTS AND ONSITE SERVICE ORDERS TODAY!**

**OBTAIN YOUR FIRST TYLER CASH COUPON IN ONE OF THREE WAYS:**

1. Contact your W.S. TYLER Regional Sales Manager
2. Call W.S. TYLER's Customer Service or Parts/Service Group at 1-855-978-9537
3. Fill out the form below and send to W.S. Tyler Canada Ltd., service@wstyler.ca or 905-346-0813





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# Tyler Cash

### 1. Contact Information

| Full Name: | Company: | Title: |
|---|---|---|
| | | |
| Street Address: | | P.O. Box: |
| | | |
| City: | Province or State: | Postal or Zip Code: |
| | | |
| Country: | Email: | Phone: |
| | | |

### 2. Vibrating Screen Brands

- ☐ TYLER
- ☐ TYCAN
- ☐ Metso-Owned Brands
- ☐ Deister
- ☐ Terex Simplicity
- ☐ Terex Cedar Rapids
- ☐ JCI
- ☐ Pioneer
- ☐ Elrus
- ☐ El Jay

Other: _____

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- ☐ Mining
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- ☐ Industrial Minerals
- ☐ Other

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# Index

# HAVER & TYLER

HAVER & TYLER is the only global alliance capable of providing the complete processing circle of particle analysis, screen media technology, vibrating screens, washing equipment and pelletizing technology, as well as parts and service support. HAVER & TYLER has built a strong reputation for Redefining Technology through its customized products and services, designed around specific customer goals that provide durability, profitability and long life.

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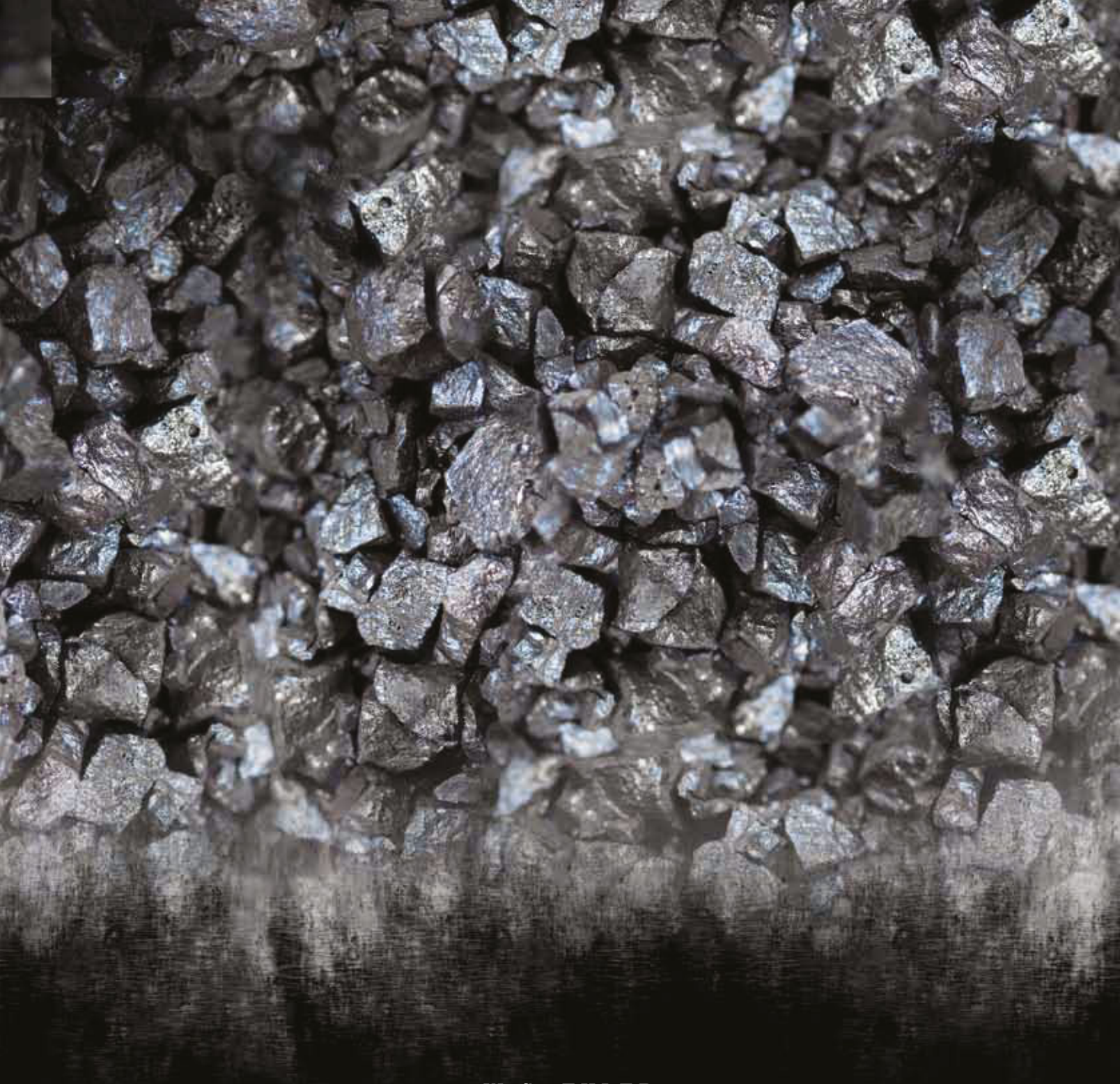

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