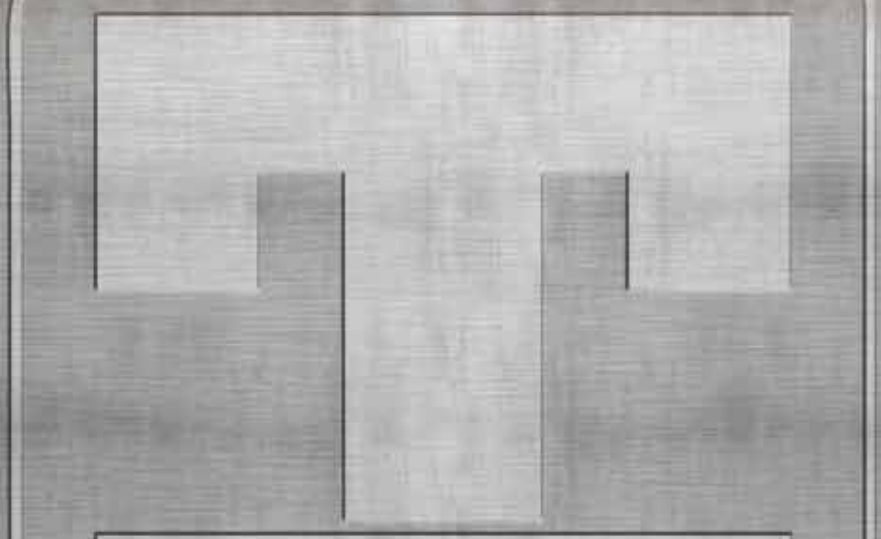
HAVER & BOECKER



TYLER

THE SCREENING GROUP

THE ROCK BOOK

HAVER & BOECKER

TYLER

THE SCREENING GROUP

W.S. TYLER

225 Ontario Street
St. Catharines, ON, L2R 7B6

Office: 1-905-688-2644
Fax: 1-905-688-4733

1-855-WSTYLER
sales@wstyler.ca

6716-59 Street
Edmonton, AB, T6B 3N6

Office: 1-780-447-1528
Fax: 1-780-447-1925

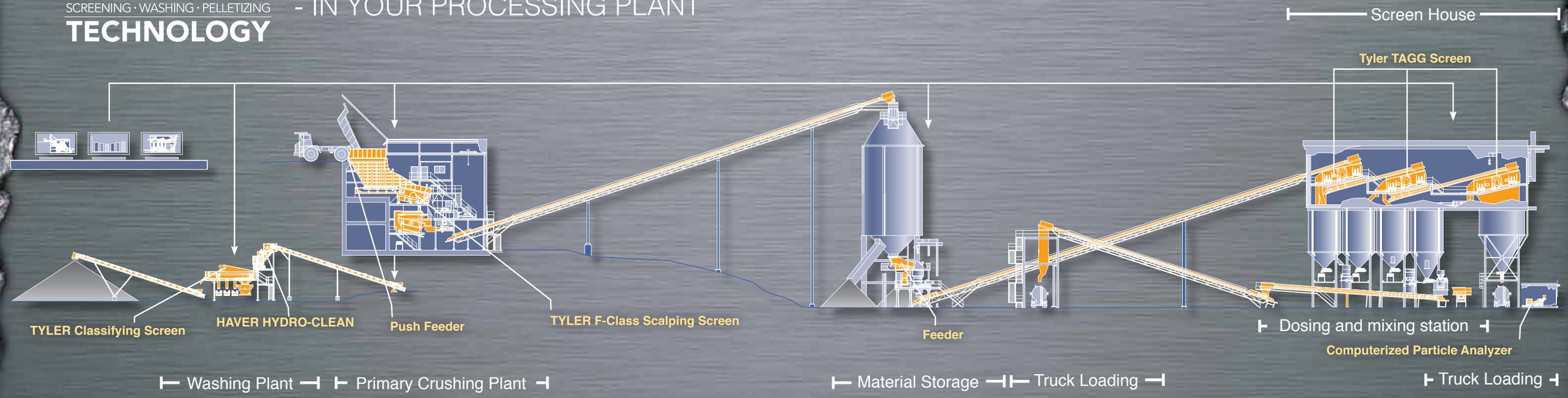
1-800-661-0362
edmonton@wstyler.ca

WWW.WSTYLER.CA

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

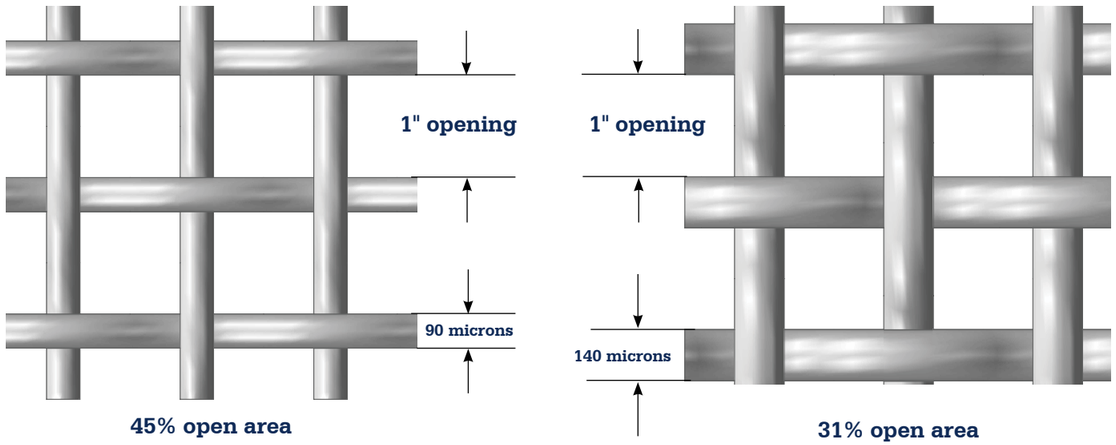
SCREENS

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

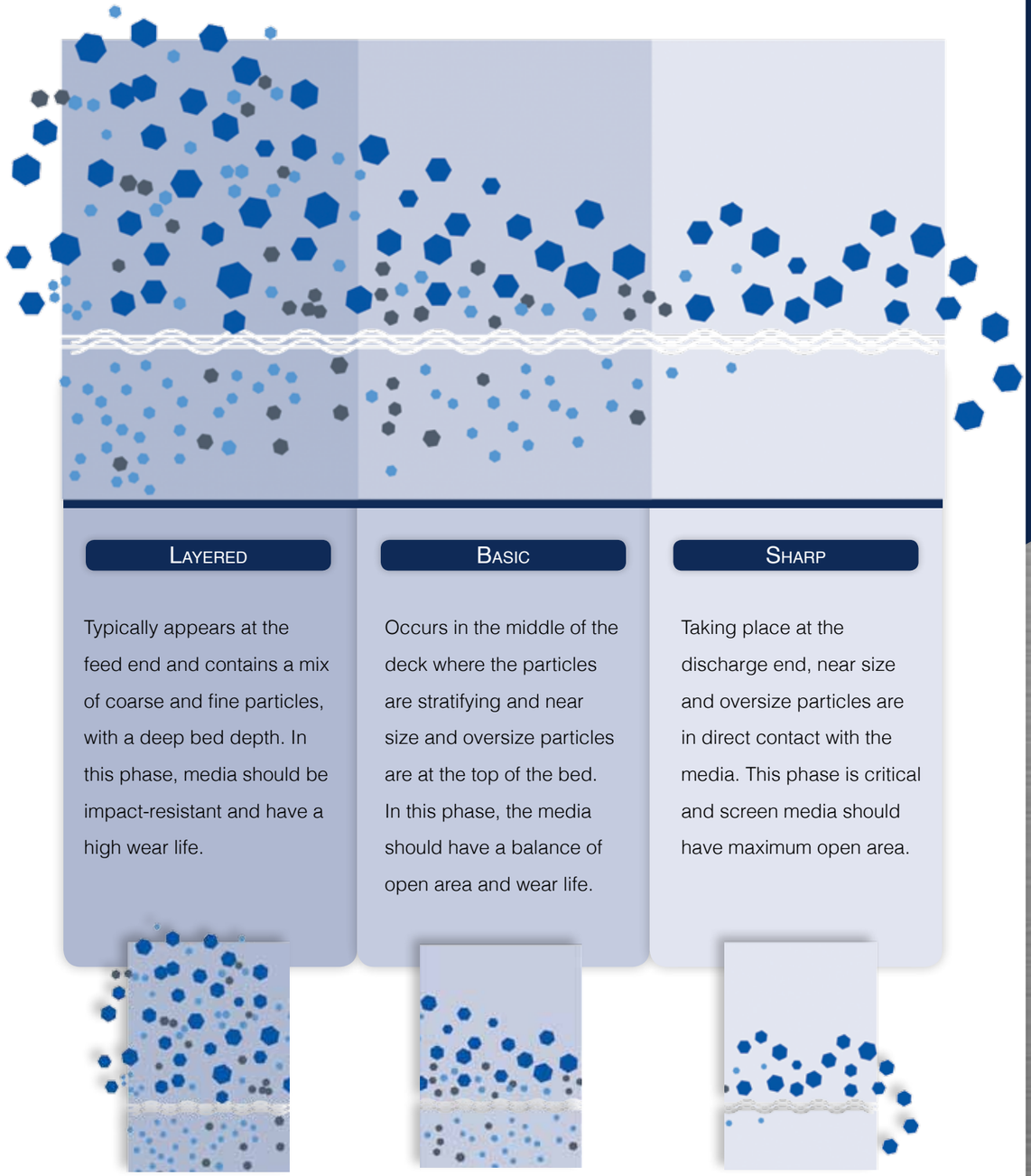
- Each section of media is comprised of two parts:
  - The opening - size of the hole.
  - The open area - number of holes.
- Increasing open area generally decreases wear life.
- Reducing open area generally increases wear life.



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.

HAVER & TYLER

Screens • Pro-Deck

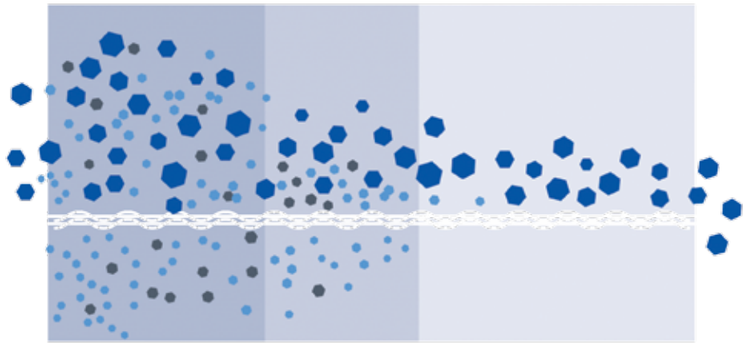
Pro-Deck In Action

Example 1: Screening Finished Early

Current Set-Up: Woven Wire Cloth

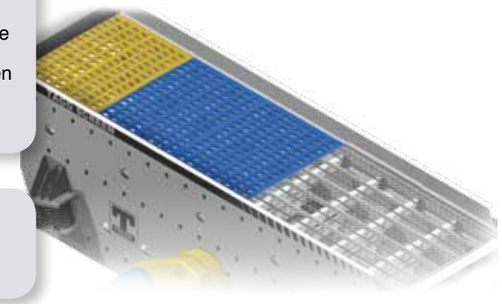
Situation:
When screening is finished early, it is completed within the first 1/3 of the deck and under size particles have passed the media openings.

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.

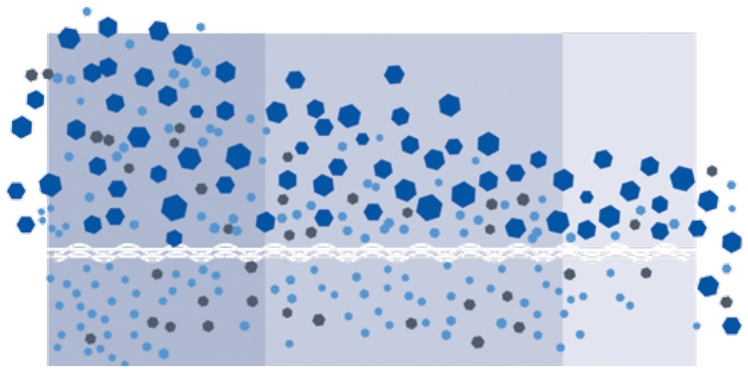


Example 2: Screening Not Completed

Current Set-Up: Woven Wire Cloth

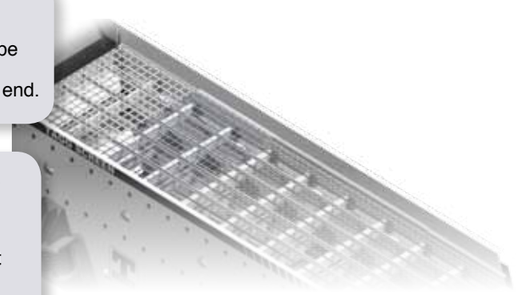
Situation:
Screening is not complete because undersized particles are going over the discharge end.

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.

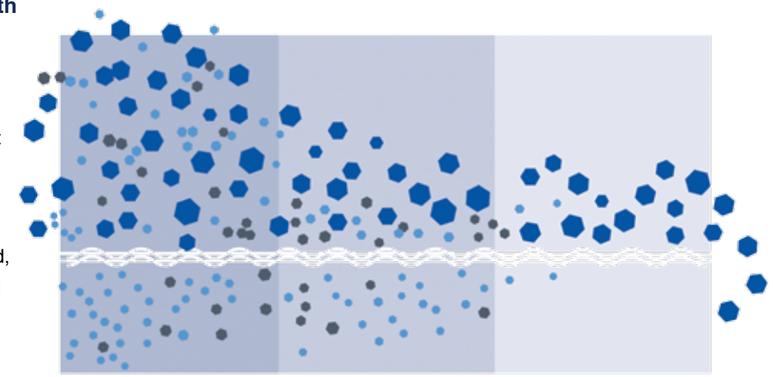


Example 3: Optimal Screening

Current Set-Up: Woven Wire Cloth

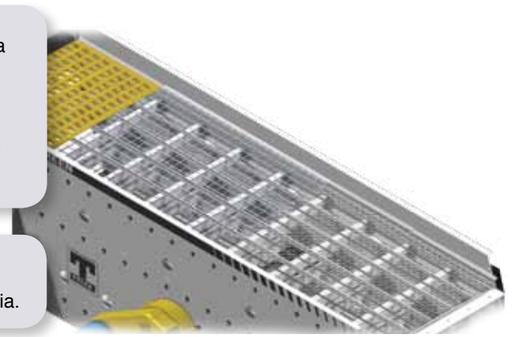
Situation:
Most screening is complete approximately 2/3 of the way down the deck. Near size particles utilize the last 1/3 of the deck to find an opening.

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.

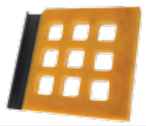


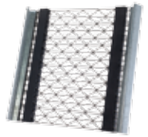
HAVER & TYLER

Screens • Pro-Deck

Pro-Deck Media Selection Chart





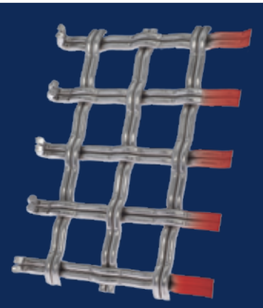



	TY-DURA Page: 38	TY-PLATE Page: 40	TY-MAX Page: 16	TY-WIRE Page: 18	DOUBLE-T Page: 30	COBRA VIBE Page: 20	TY-CLEAN Page: 29	TYLER SQUARE Page: 32	TON-CAP Page: 36	TY-ROD Page: 34	MULTI-SHUTE Page: 51
Wear Life	•••	•••	•••	•••	••	••	•	•	•	•	•
Open Area	•	•	•	••	••	•••	••	•••	••	•••	•••
Anti-Blinding	•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

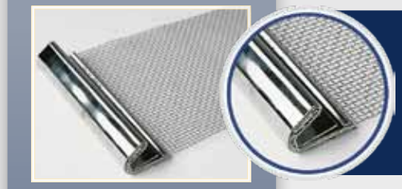


W.S. TYLER HOOKS ARE AVAILABLE IN THE FOLLOWING MATERIALS

- Stainless Steel
- Galvanized Steel
- Mild Steel

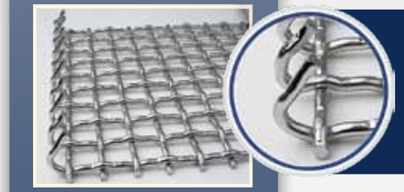
Hook Types for Screen Sections

A-HOOK

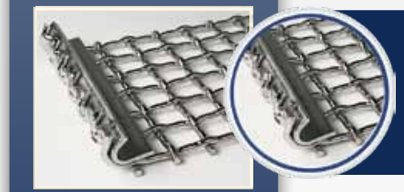


C-HOOK

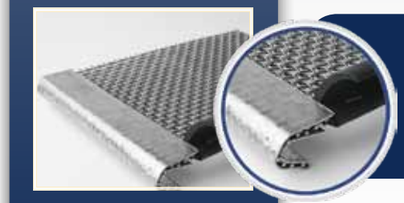
E-HOOK



BENT EDGE



BENT EDGE WITH METAL INSERT



END TENSION HOOK WITH RUBBER SEAL

HD END TENSION HOOK

Accessories

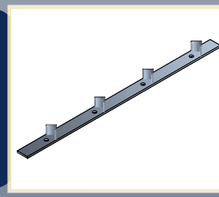
BAR RAIL LINERS

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

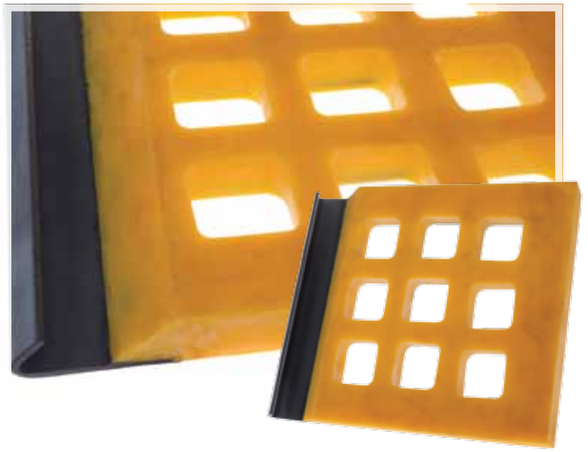
TENSION RAILS

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.

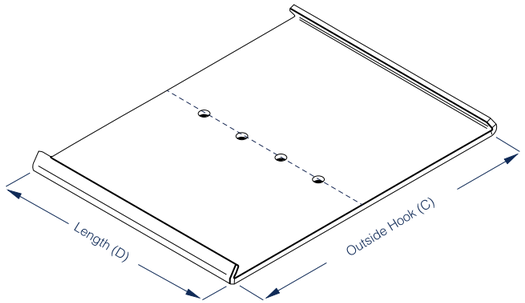
Center Hold Down

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*

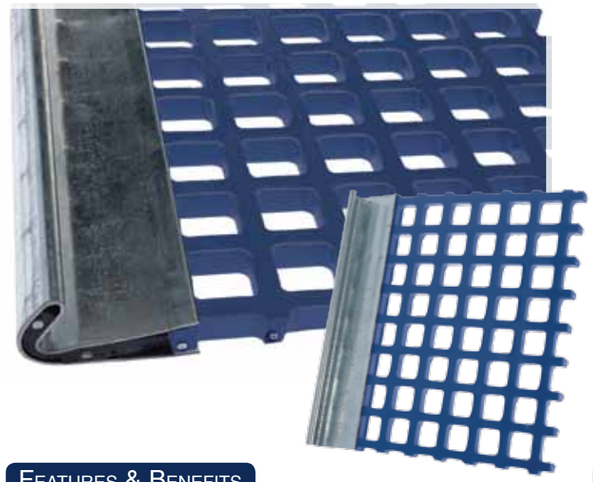
Square Opening	Thickness	Open Area	Weight per sq. ft.
3/32"	1.0"	13.8%	5 lbs.
1/8"	1.0"	19.2%	5 lbs.
1/8" Flex	1.0"	19.2%	5 lbs.
5/32"	1.0"	20.8%	5 lbs.
5/32" Flex	1.0"	20.8%	5 lbs.
3/16"	1.0"	27.2%	5 lbs.
3/16" Flex	1.0"	26.1%	5 lbs.
7/32" Flex	1.0"	30.2%	5 lbs.
1/4"	1.0"	31.0%	5 lbs.
1/4" Flex	1.0"	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.

HAVER & TYLER
Screens • Tensioned Sections

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 160º F (71º 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.

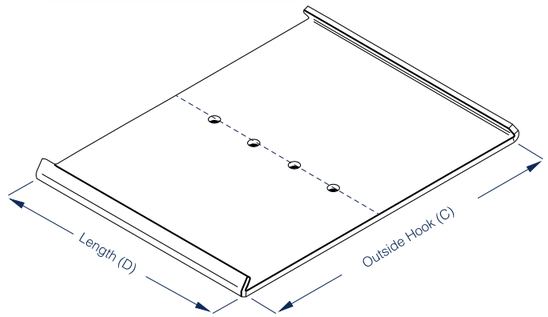
Center Hold Down

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.

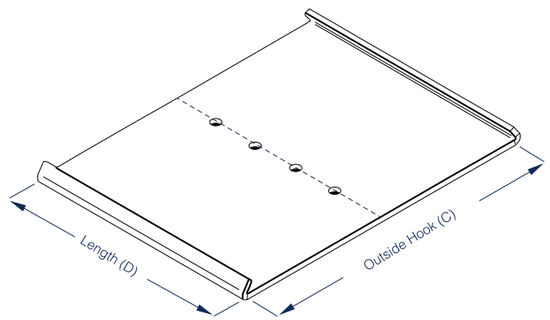
Application

- 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%

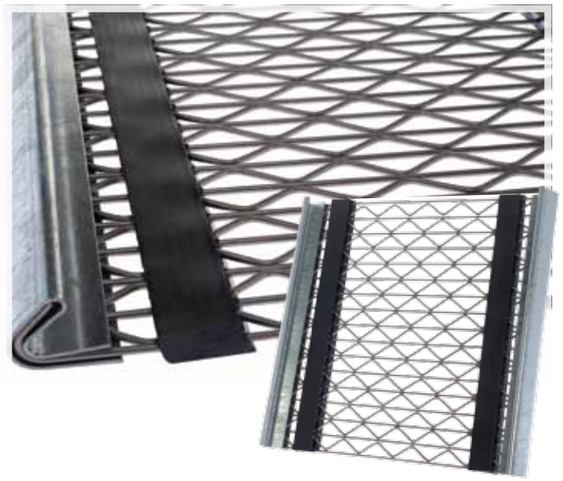
Opening	Wire Diameter	Open Area
13/32"	.080"	69.1%
13/32"	.092"	65.7%
13/32"	.105"	62.3%
13/32"	.120"	58.8%
7/16"	.092"	68.2%
7/16"	.105"	65.0%
7/16"	.120"	61.6%
7/16"	.135"	58.4%
1/2"	.105"	68.3%
1/2"	.120"	65.0%
1/2"	.135"	62.0%
9/16"	.120"	67.9%
9/16"	.135"	65.0%
9/16"	.148"	62.7%
5/8"	.120"	70.4%
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%

HAVER & TYLER

Screens • Tensioned Sections

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.



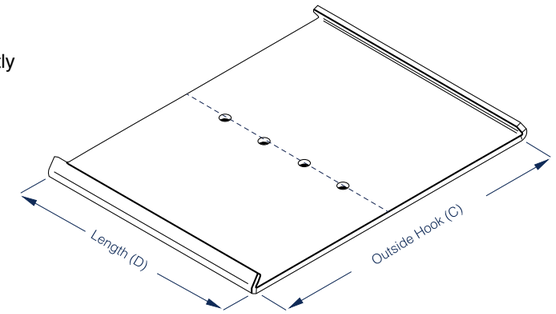
Application

- 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.

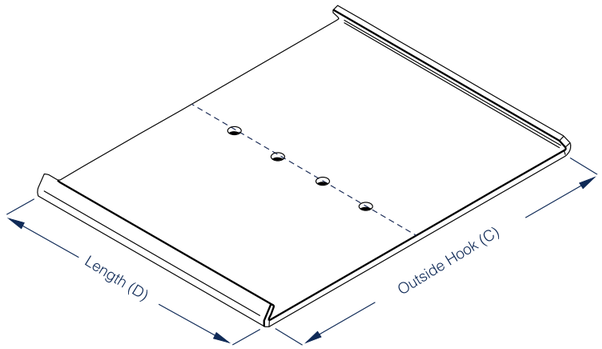
Application

- 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*

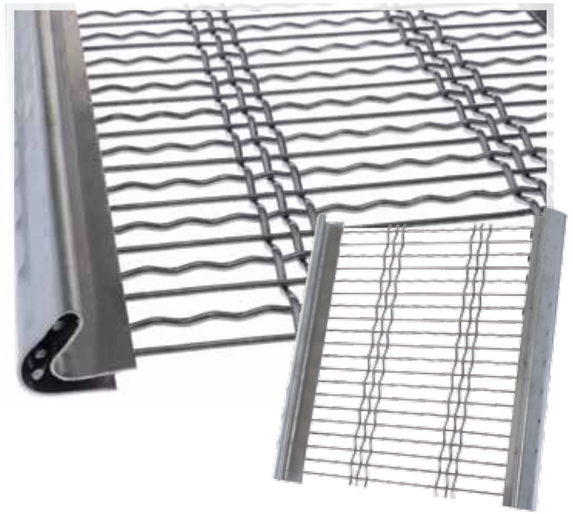
Spray Nozzles | *see page 135*

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.



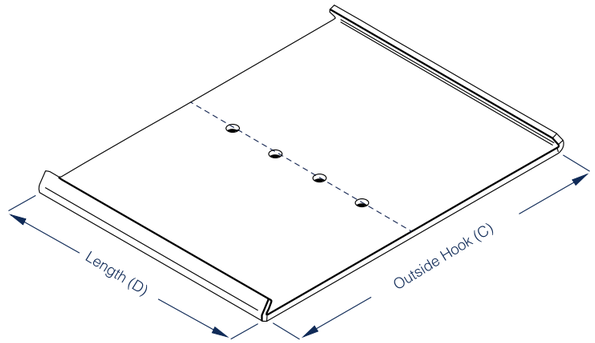
Application

- 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



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.

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

Bar Rail Liners | *see page 110*

Spray Nozzles | *see page 135*

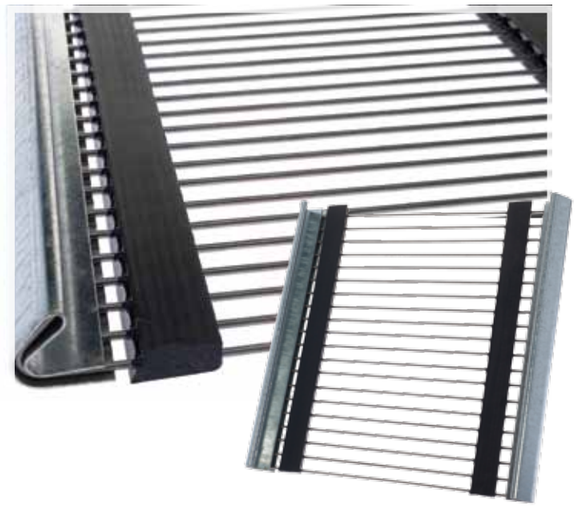
Nominal Opening	Wire Diameters	Cobra Slot Number
1/16"	.047" / .054" / .063"	# 6110
3/32"	.054" / .063" / .072"	# 6120
3/32"	.047" / .054" / .063"	# 6121
3/32"	.063" / .063" / .072"	# 6122
3/32"	.063" / .072" / .080"	# 6123
1/8"	.072" / .080" / .092"	# 6130
1/8"	.063" / .072" / .080"	# 6131
5/32"	.063" / .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

HAVER & TYLER

Screens • Tensioned Sections

Cobra Vibe PM

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



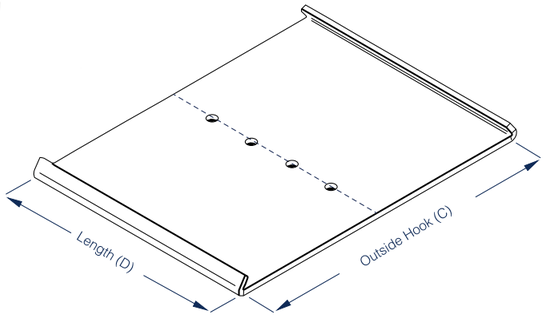
Application

- 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

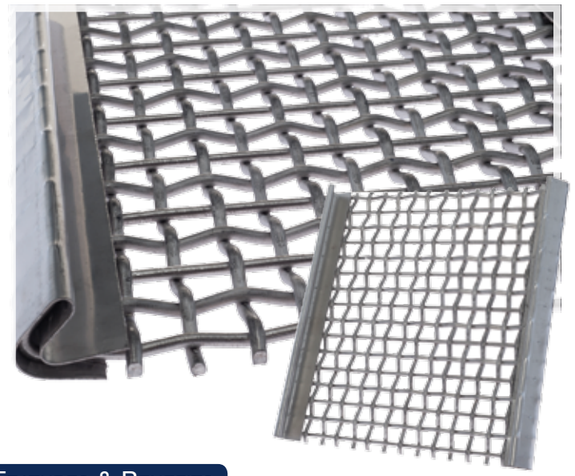
Bar Rail Liners | *see page 110*

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.



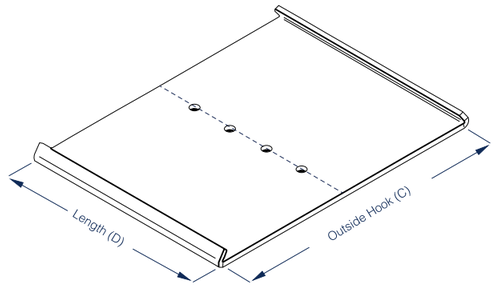
Application

- 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.

Application

- Scalping
- Ideal for high impact areas

Options

Camber

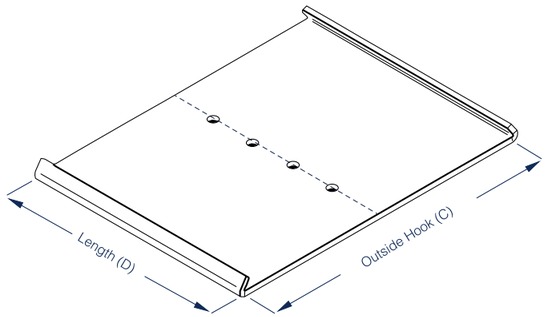
Manufactured with an optional camber design, the Double T screen media can be built to suit any deck surface.

ACCESSORIES

Bar Rail Liners | *see page 110*

Spray Nozzles | *see page 135*

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.

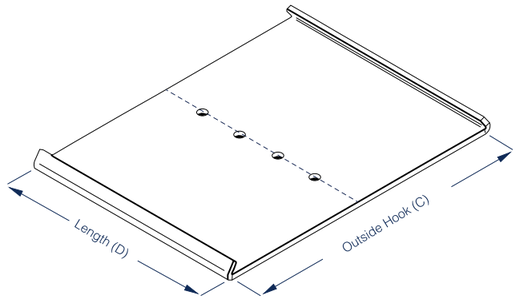
Bent Edges

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

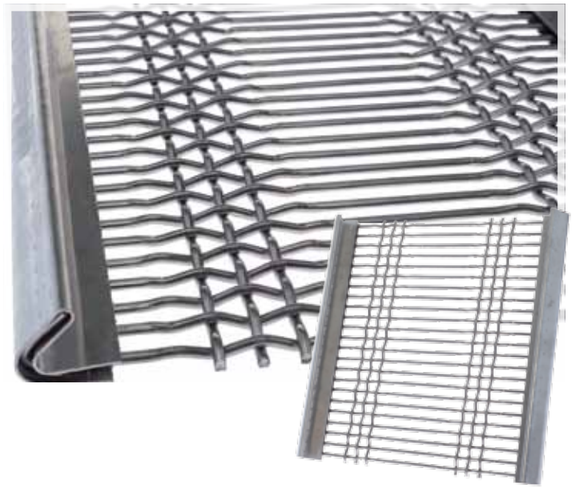
This list represents those items that are stocked for aggregate applications.
There are a wide range of specifications available finer than 1/8" opening and in various steel alloys.

HAVER & TYLER

Screens • Tensioned Sections

Ty-Rod

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



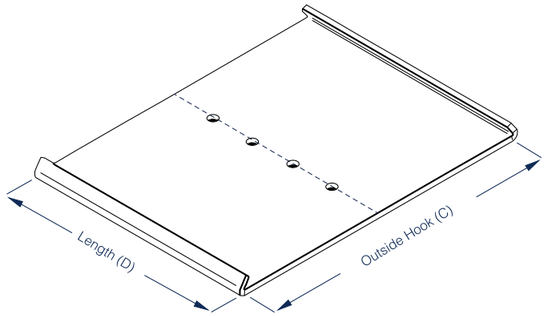
Application

- 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*

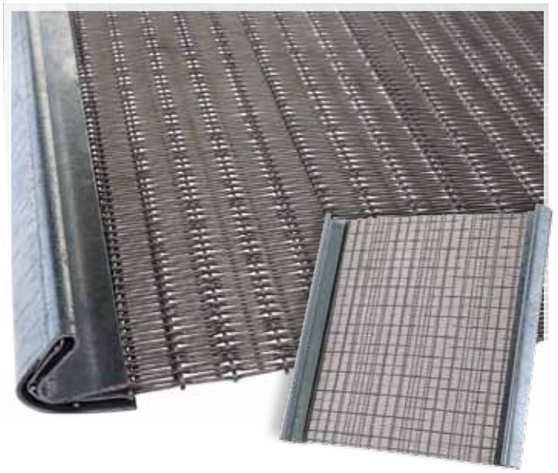
Opening	Wire Diameter	Ty-Rod Number
.079"	.500"	# 9653
.125"	.500"	# 9435
.187"	.500"	# 9398
.250"	.437"	# 9381
.312"	.437"	# 9362
.312"	.375"	# 9363
.375"	.375"	# 9350
.375"	.375"	# 9452
.500"	.375"	# 9536
.625"	.375"	# 9528
.750"	.312"	# 9519

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.

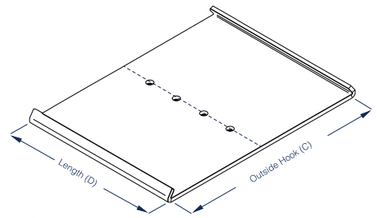
Punching

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:

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

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

Screens • Tensioned Sections

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

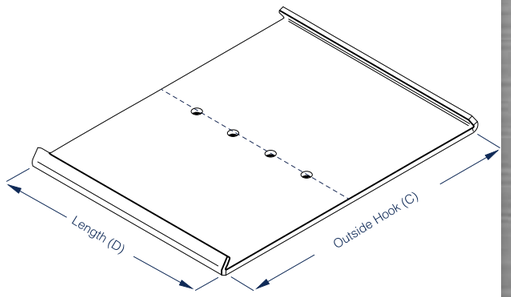
Bar Rail Liners | *see page 110*

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.	

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.

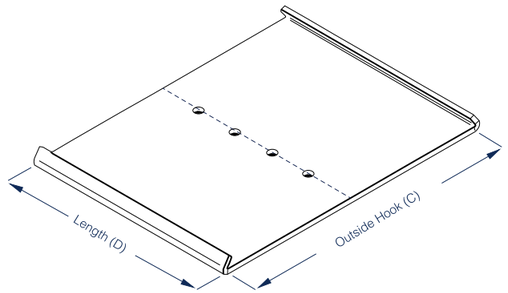
Application

- 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.

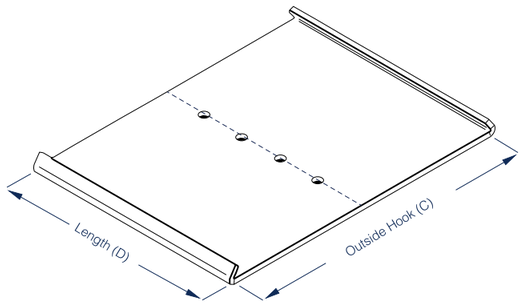
Crown

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.

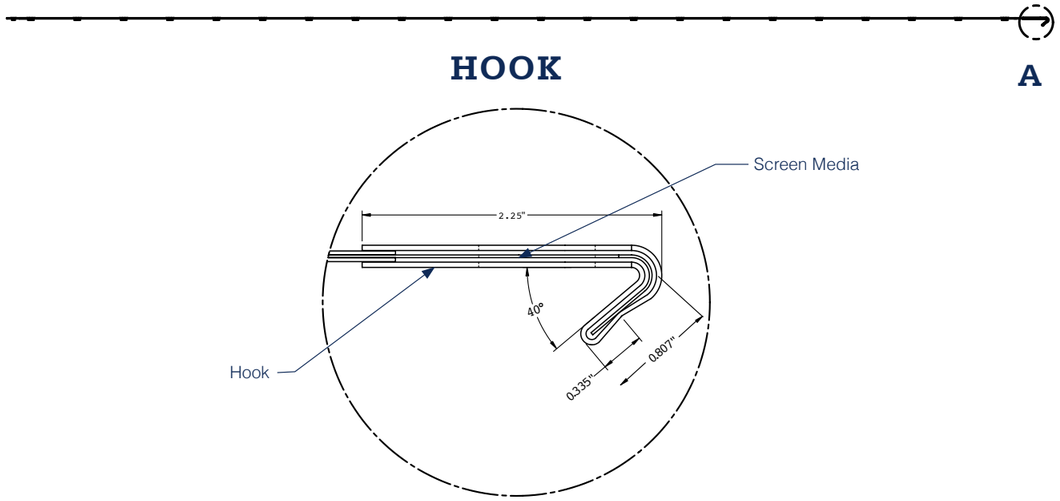
Application

- 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)

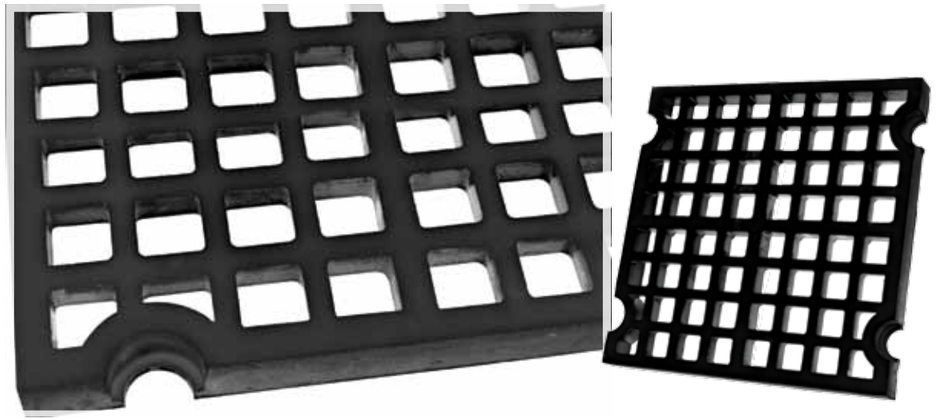
ACCESSORIES

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

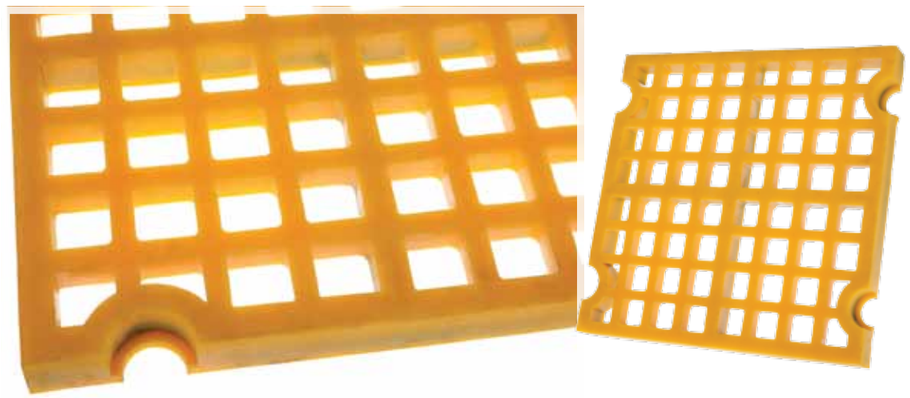
Pins & Sleeves I *see page 15*

Feed Box Liners I *see page 112*

Spray Nozzles I *see page 135*

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%

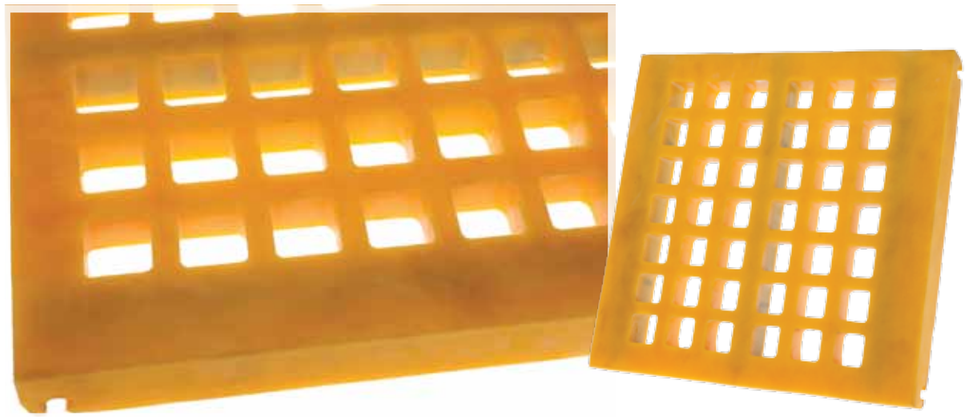
HAVER & TYLER

Screens • Modular Panels

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%

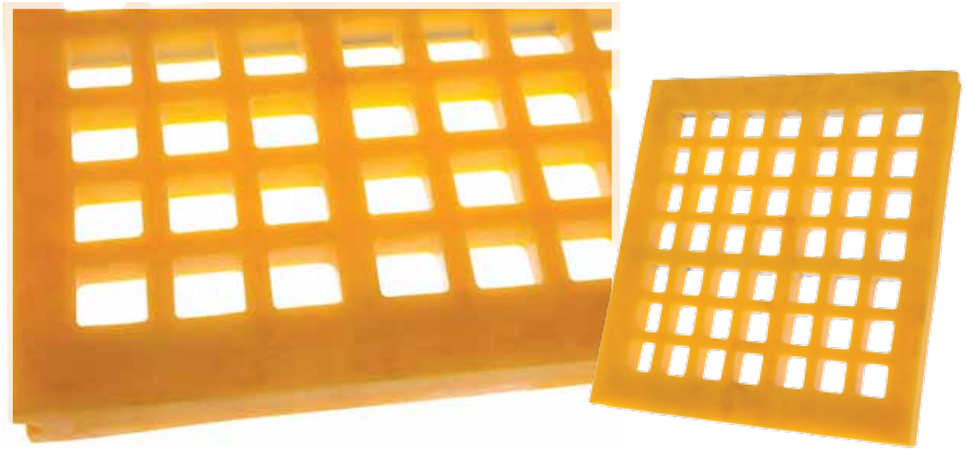
Slotted Opening	Thickness	Open Area
1.0 mm x 1/2"	50 mm	24.00%
1.5 mm x 24.0 mm	40 mm	16.10%
2.0 mm x 1/2"	50 mm	24.00%
2.5 mm x 1"	40 mm	21.80%
1/8" x 1"	40 mm	32.00%
5/32" x 1 1/2"	40 mm	35.00%
7/16" x 7/8"	50 mm	30.00%
1" x 3"	50 mm	42.00%
1" x 4 1/2"	50 mm	37.50%
1" x 5"	50 mm	42.00%

HAVER & TYLER

Screens • Modular Panels

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%

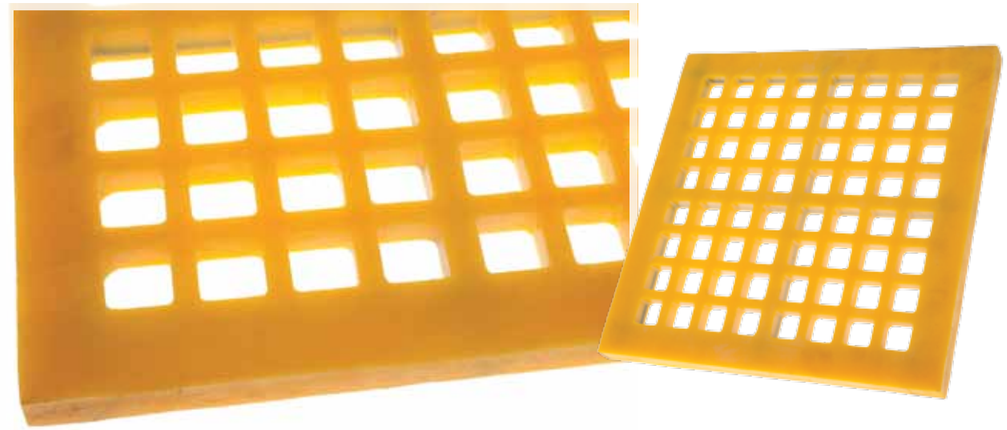
Please refer to page 52 for Tyrethane TG Panel slotted opening specifications.

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

HAVER & TYLER

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%

Screens • Modular Panels

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%

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

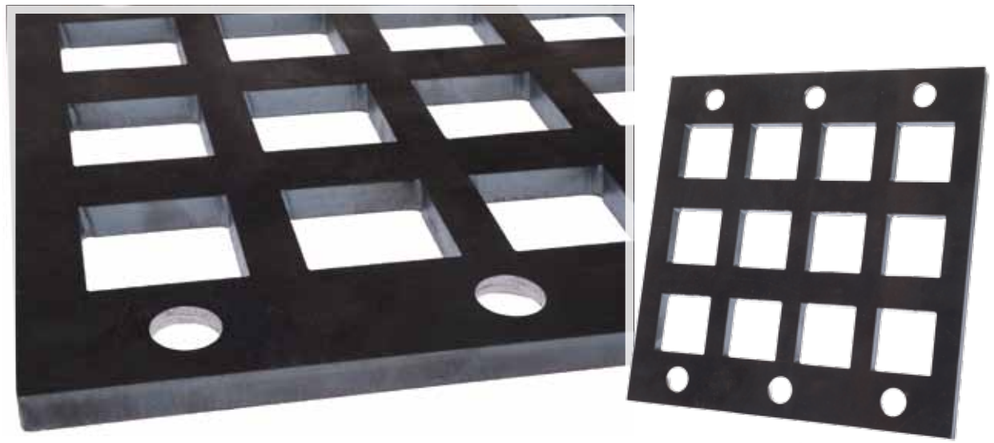
Zig Zag Slotted Openings 1' x 1' Panels	Thickness
5.0 mm x vibe x	40 mm
8.5 mm x vibe x	40 mm
10.5 mm x vibe x	40 mm
12.0 mm x vibe x	40 mm

HAVER & TYLER

Screens • Modular Panels

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%

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%

HAVER & TYLER

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.

Application

- Abrasive materials
- Ideal for high impact areas

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.

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%

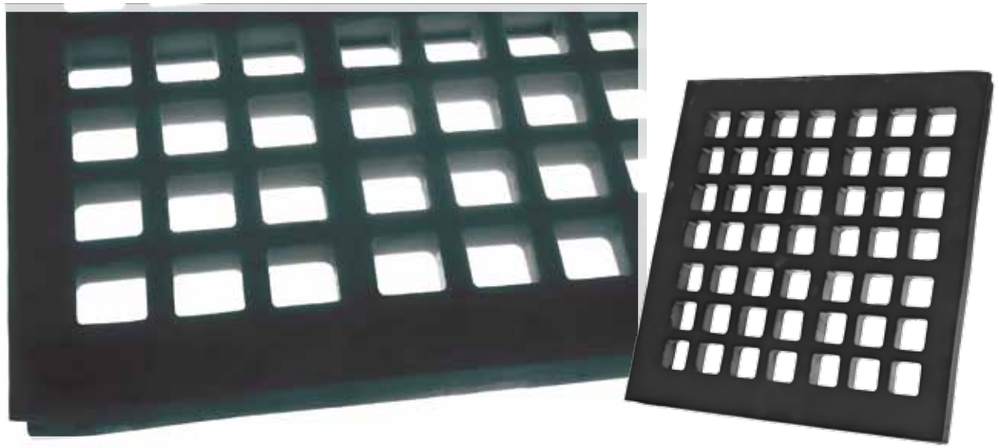
Panel Configurations	Slotted Opening	Thickness	Open Area
1' x 1'	14 mm x 57 mm	50 mm	37.75%
1' x 1'	15 mm x 55 mm	40 mm	35.52%
1' x 1'	20 mm x 57 mm	65 mm	39.27%
1' x 1'	25 mm x 117 mm	40 mm	37.78%
1' x 1'	38 mm x 105 mm	50 mm	34.36%
1' x 1'	45 mm x 50 mm	50 mm	29.06%
1' x 1'	45 mm x 90 mm	65 mm	34.88%
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%

HAVER & TYLER

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*

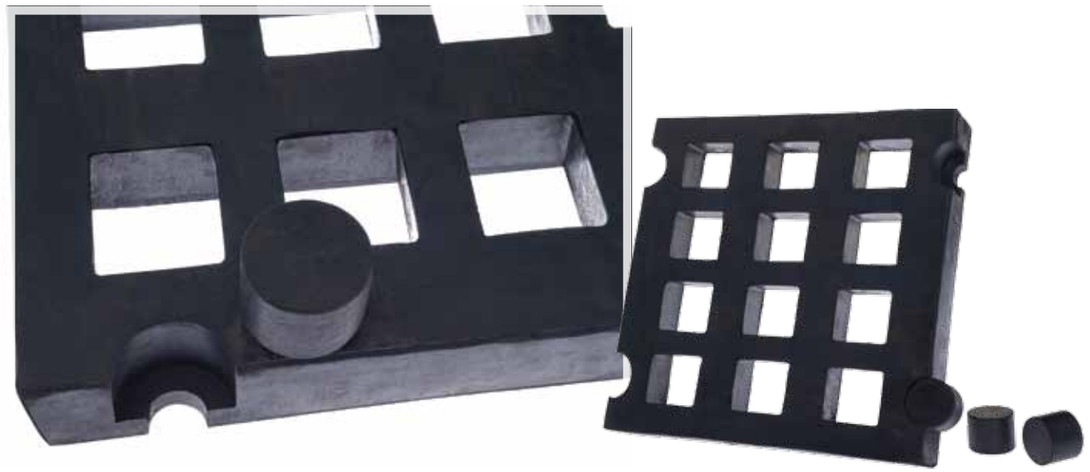
Panel Configurations	Square Opening	Thickness	Open Area
1' x 4'	25 mm	45 mm	40.80%
	50 mm	60 mm	32.29%
	75 mm	80 mm	30.30%
	90 mm	65 mm	34.88%
	Slotted Opening	**Thickness**	**Open Area**
	20 mm x 57 mm	65 mm	39.27%
	25 mm x 75 mm	45 mm	42.38%
	38 mm x 105 mm	50 mm	34.36%
	50 mm x 100 mm	65 mm	32.29%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

HAVER & TYLER

Screens • Modular Panels

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%

HAVER & TYLER

Screens • Modular Panels

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

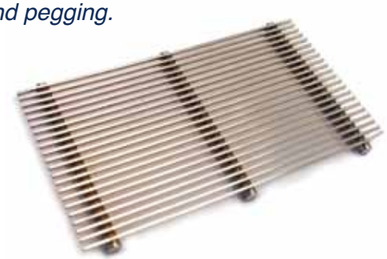
- Scalping
- Wet or sticky materials

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%

HAVER & TYLER

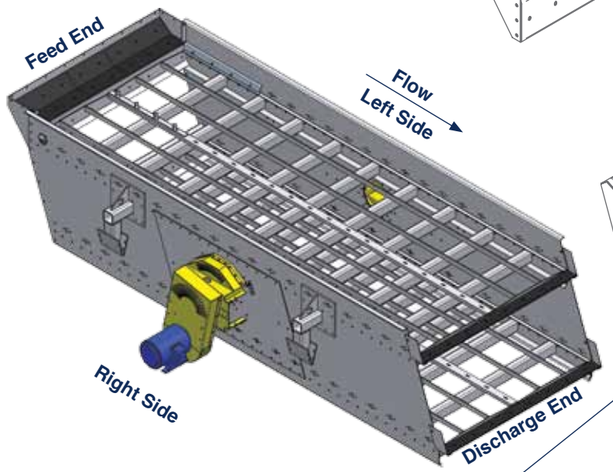
Screens • Specialty

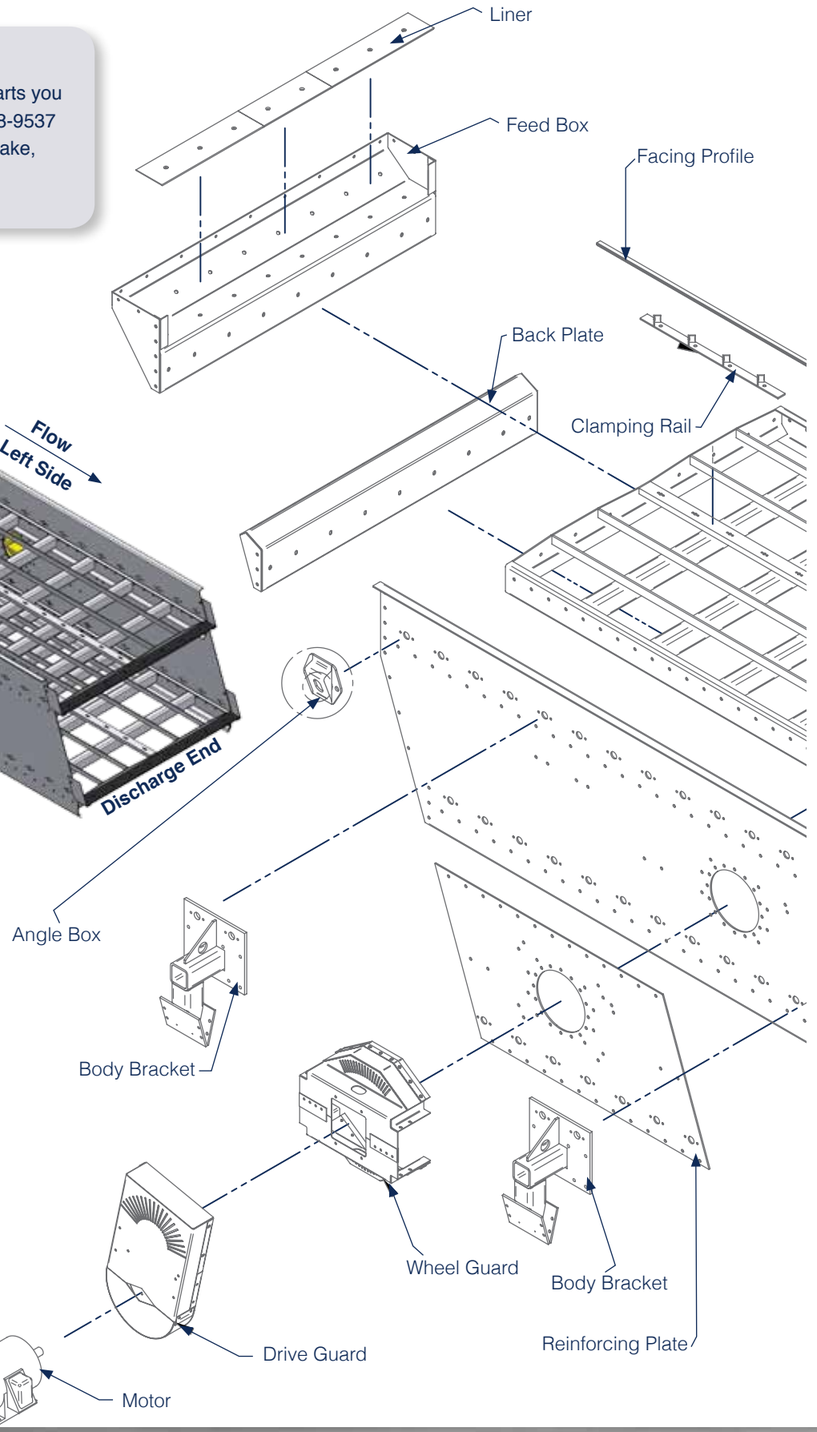
COMPONENTS

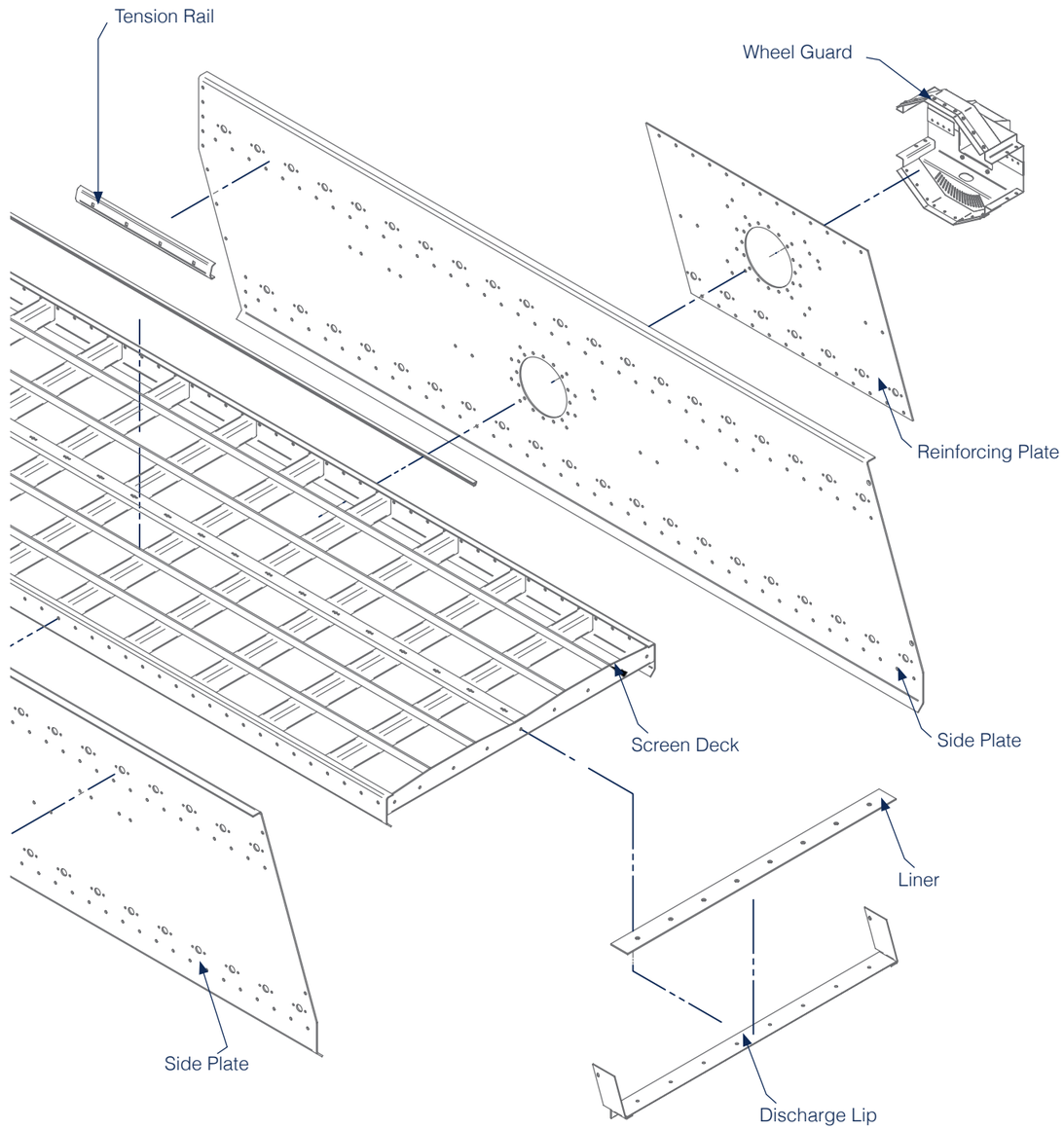
F-Class / Ty-Rock Body Components

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.

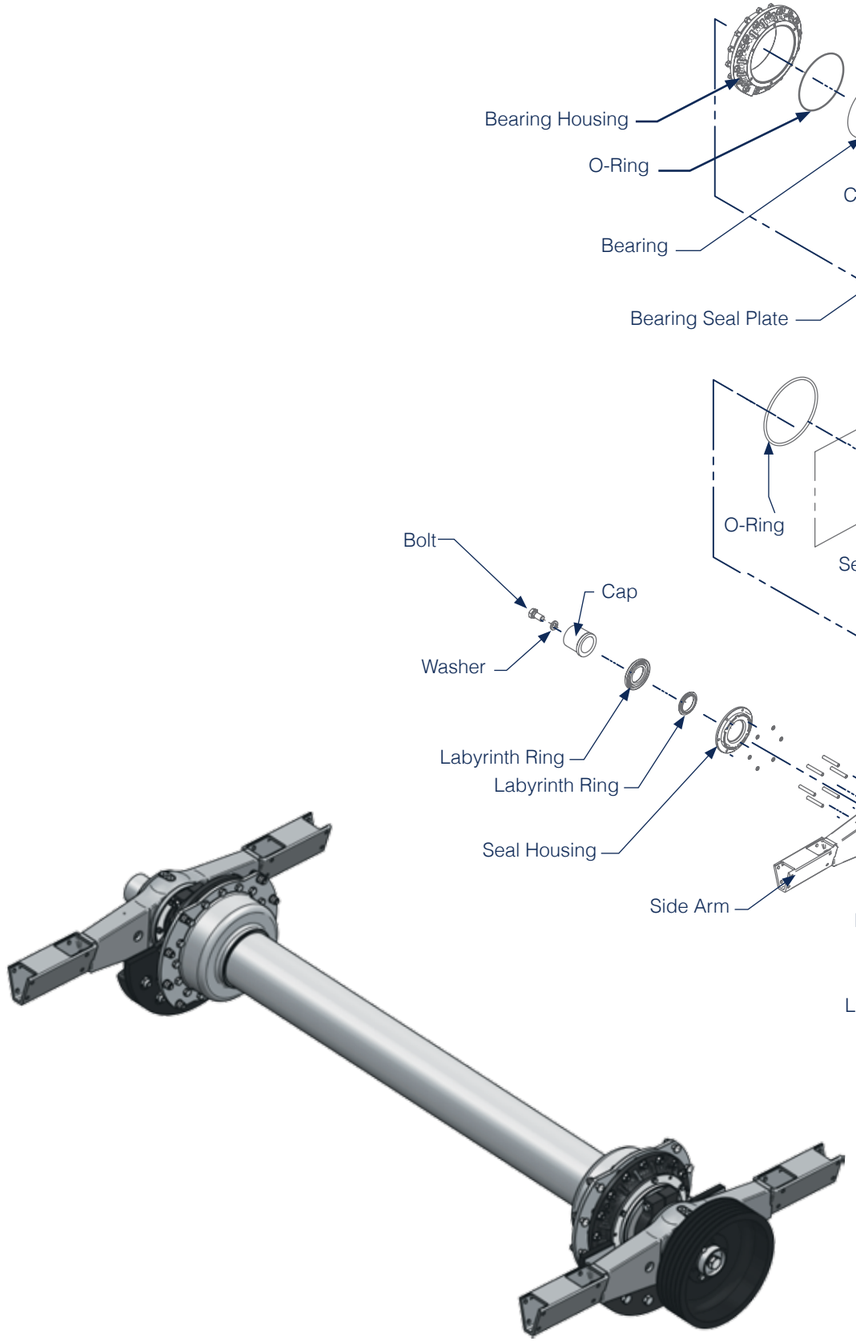


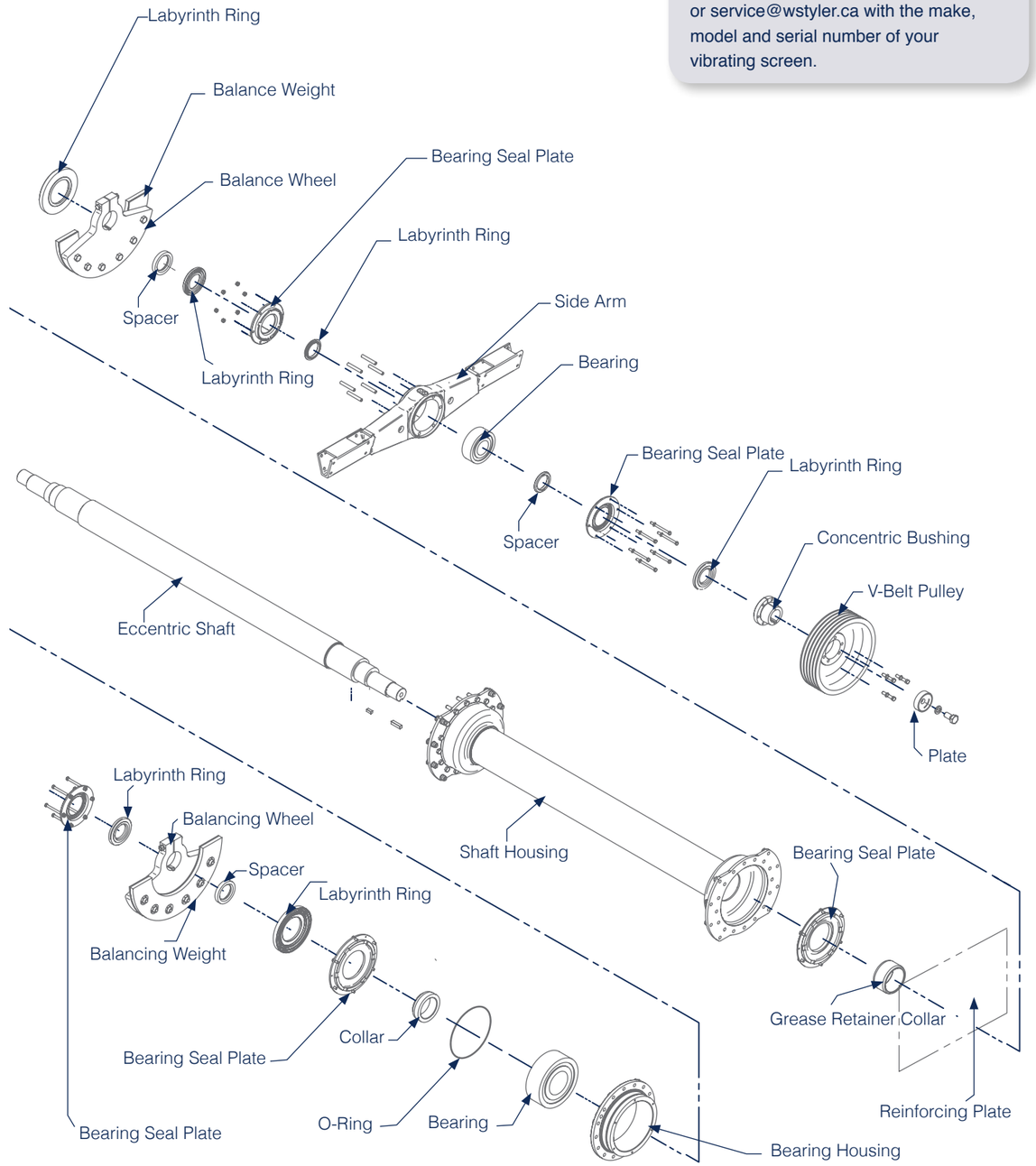




HAVER & TYLER

F-Class / Ty-Rock Shaft Components





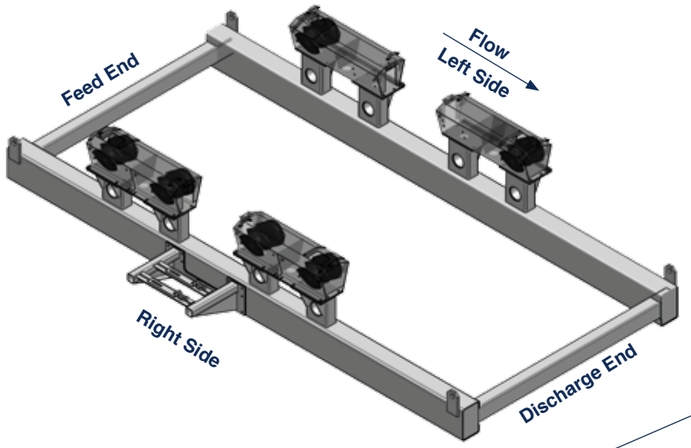
HOW DO I ORDER?

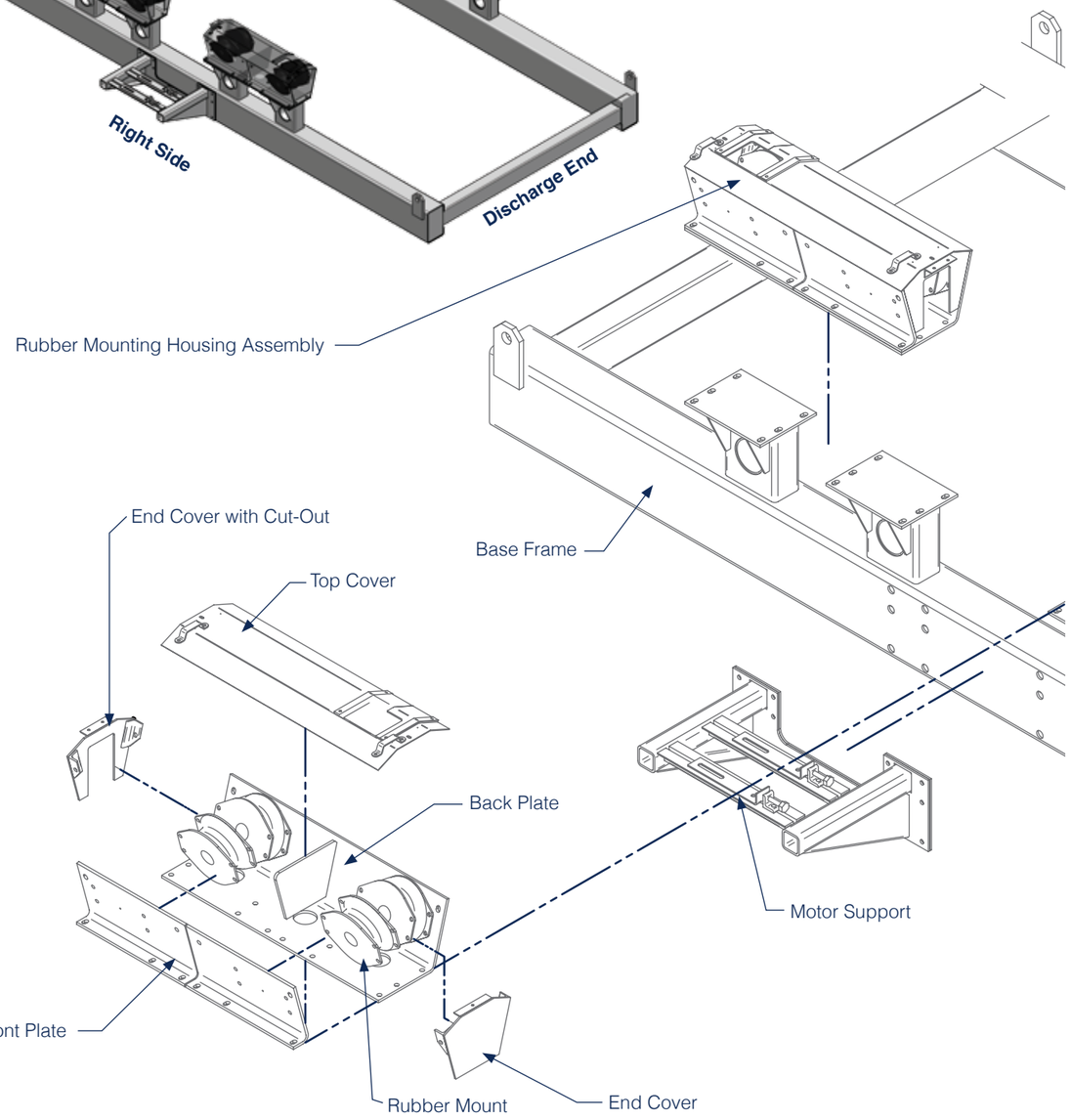
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

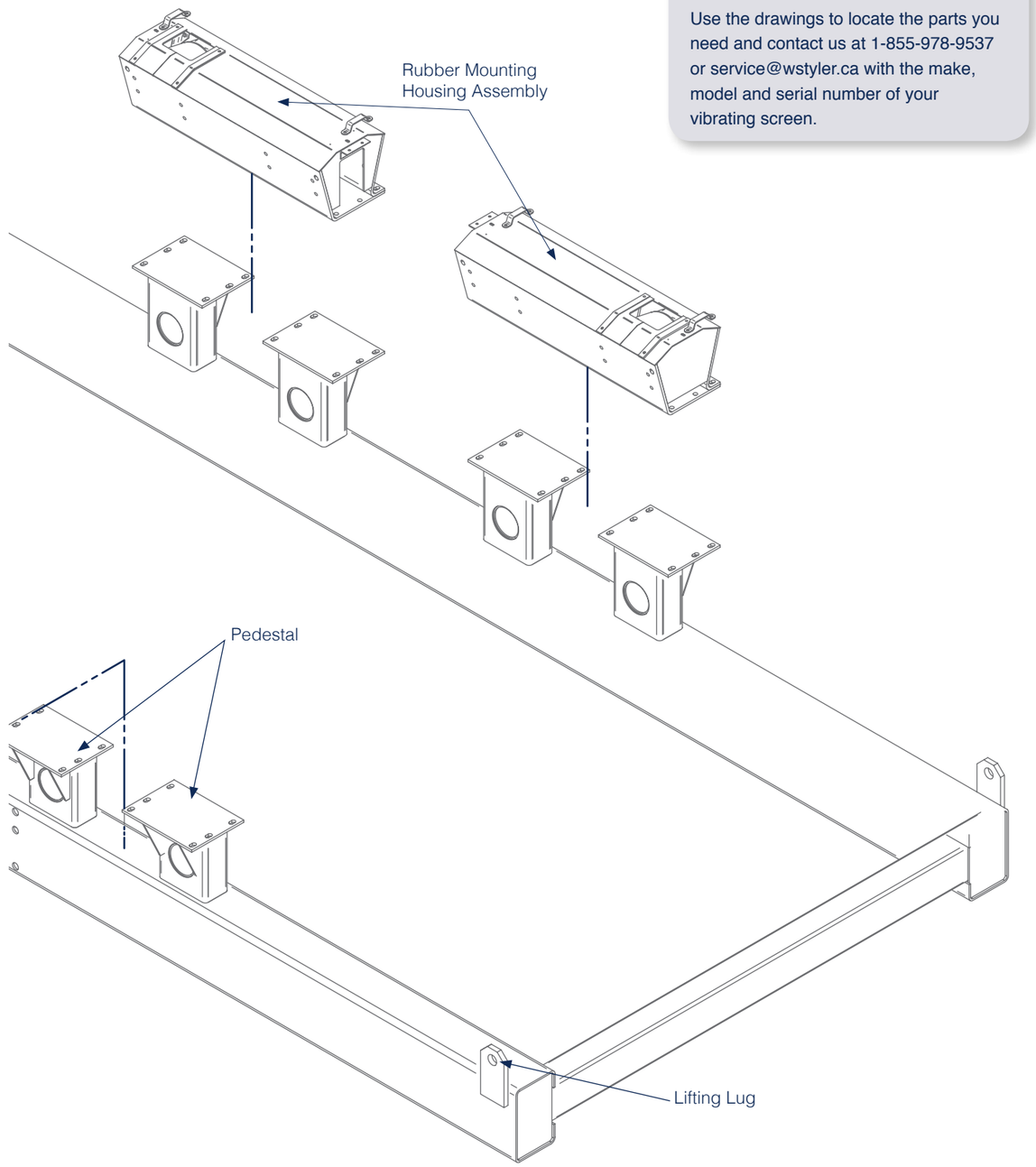
Components • Parts

HAVER & TYLER

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.

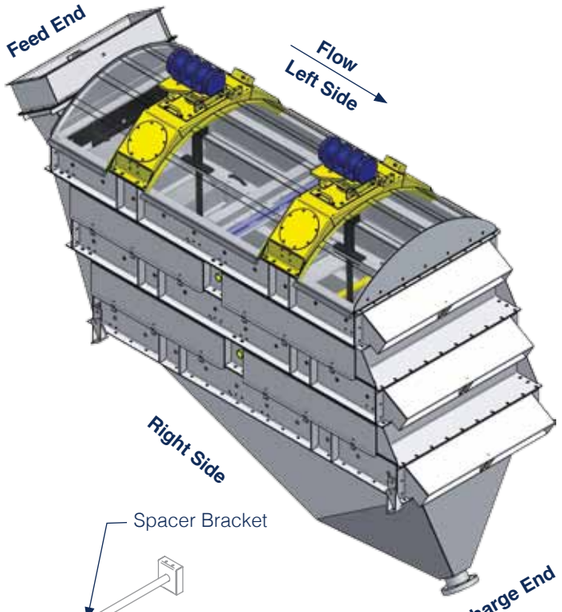
Components • Parts

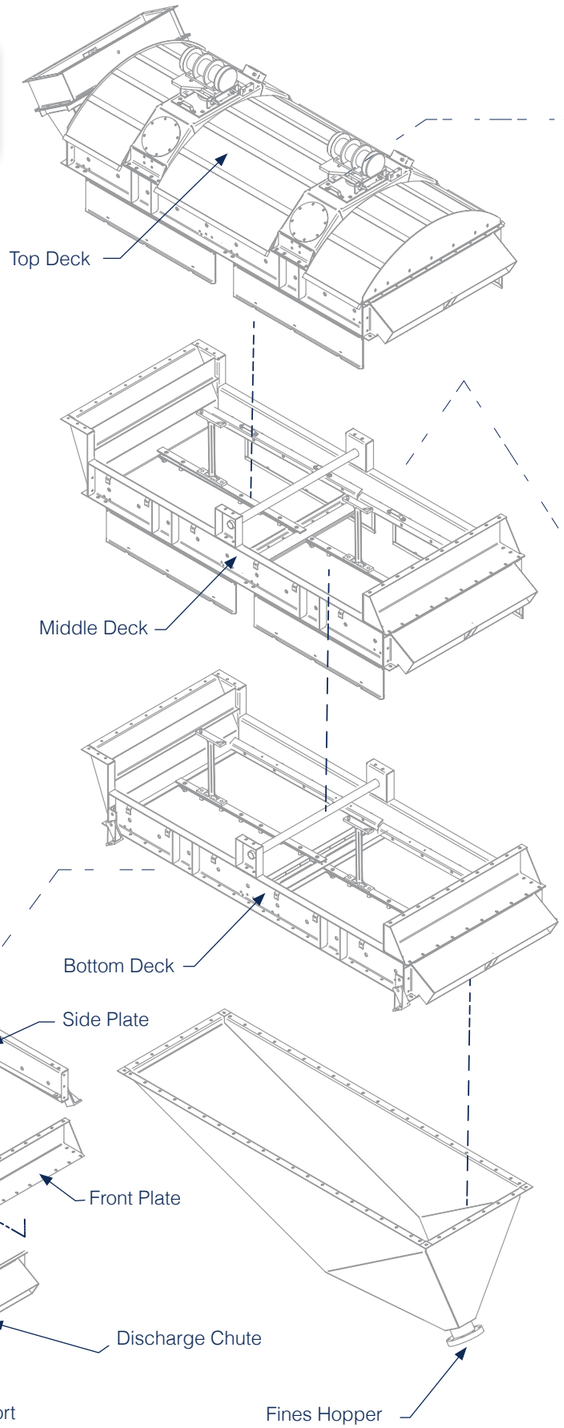
HAVER & TYLER

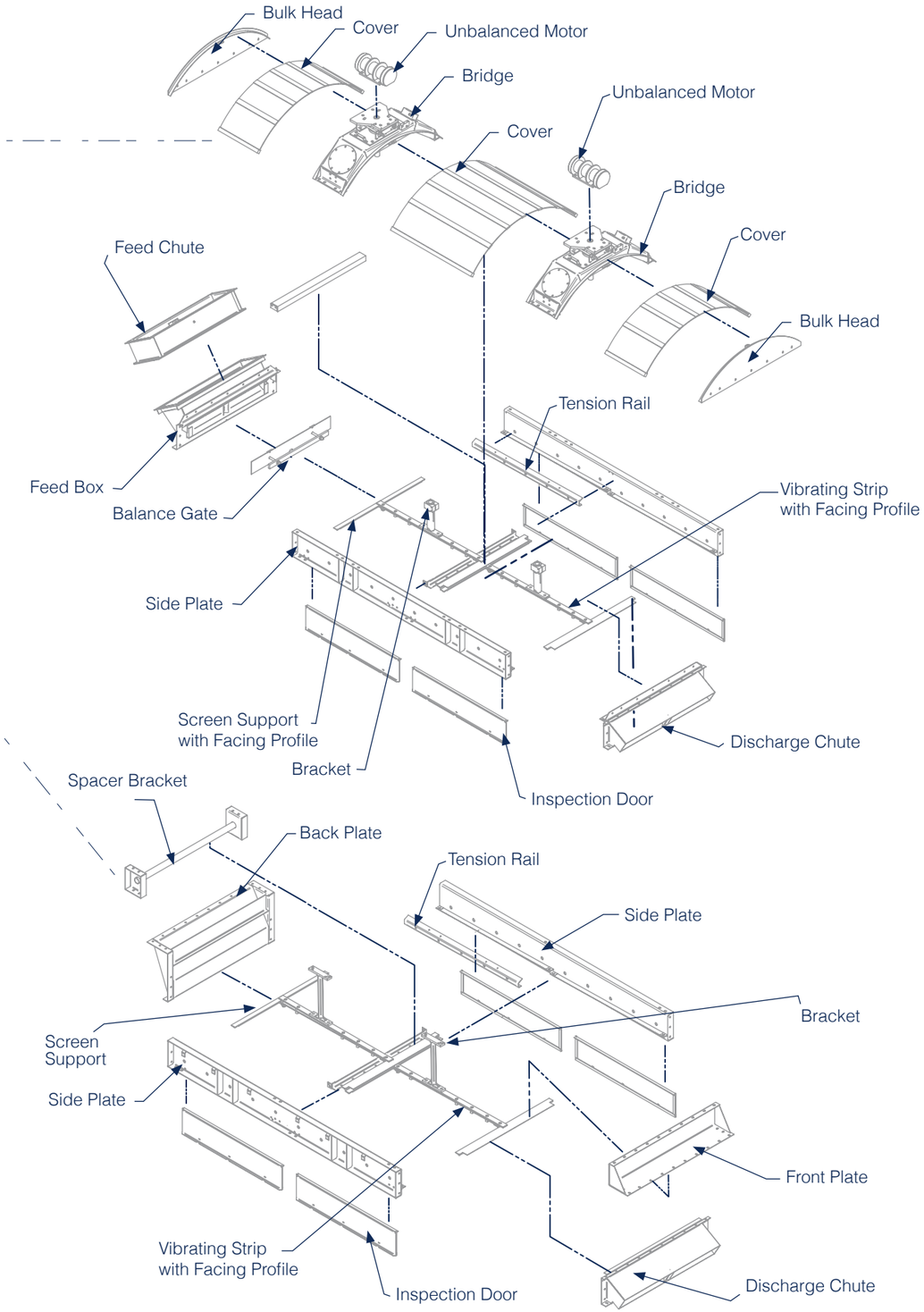
H-Class / Hummer Body Components

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.



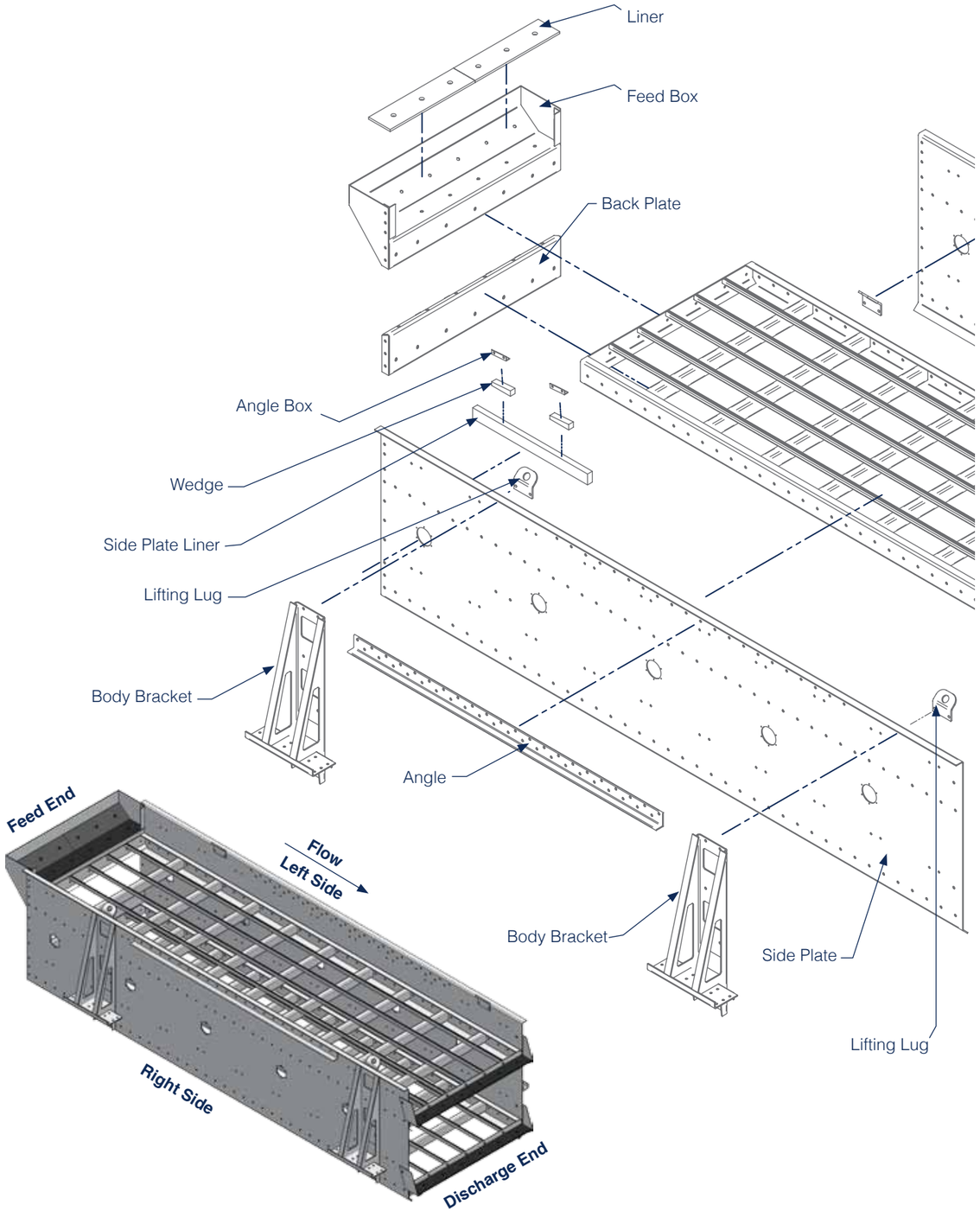


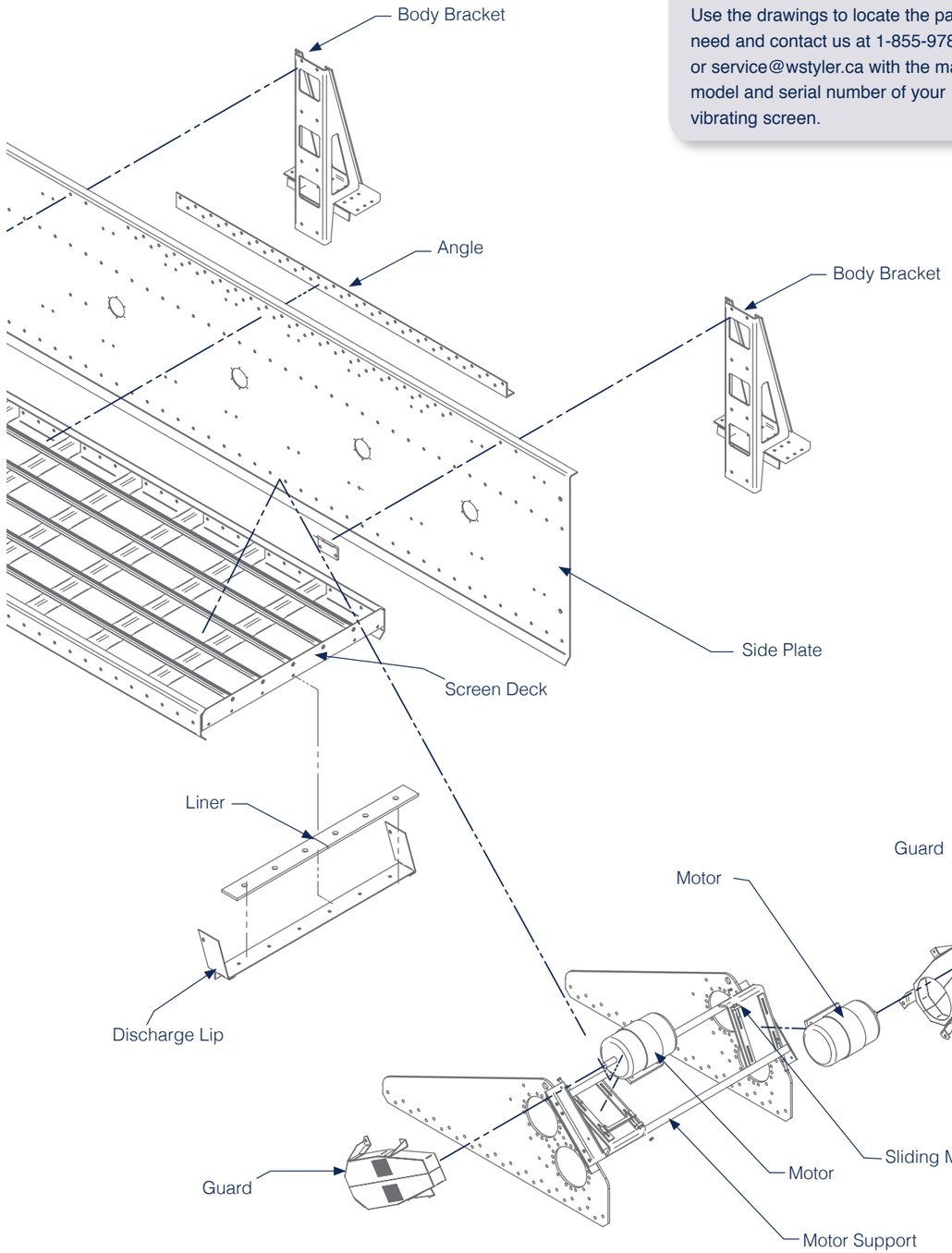


Components • Parts

HAVER & TYLER

L-Class / Ty-Level Body Components





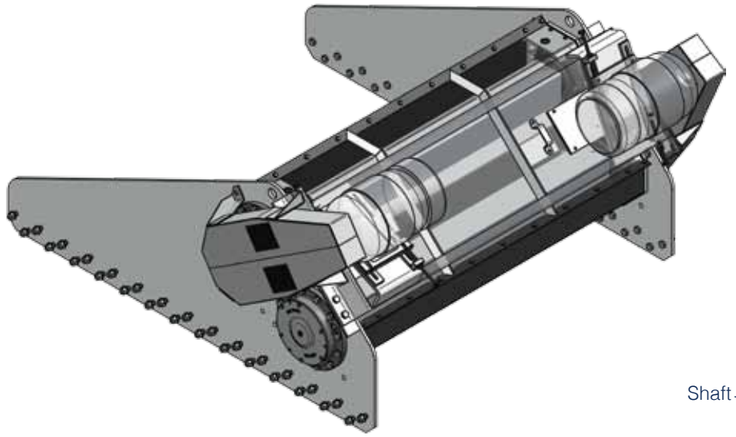
HOW DO I ORDER?

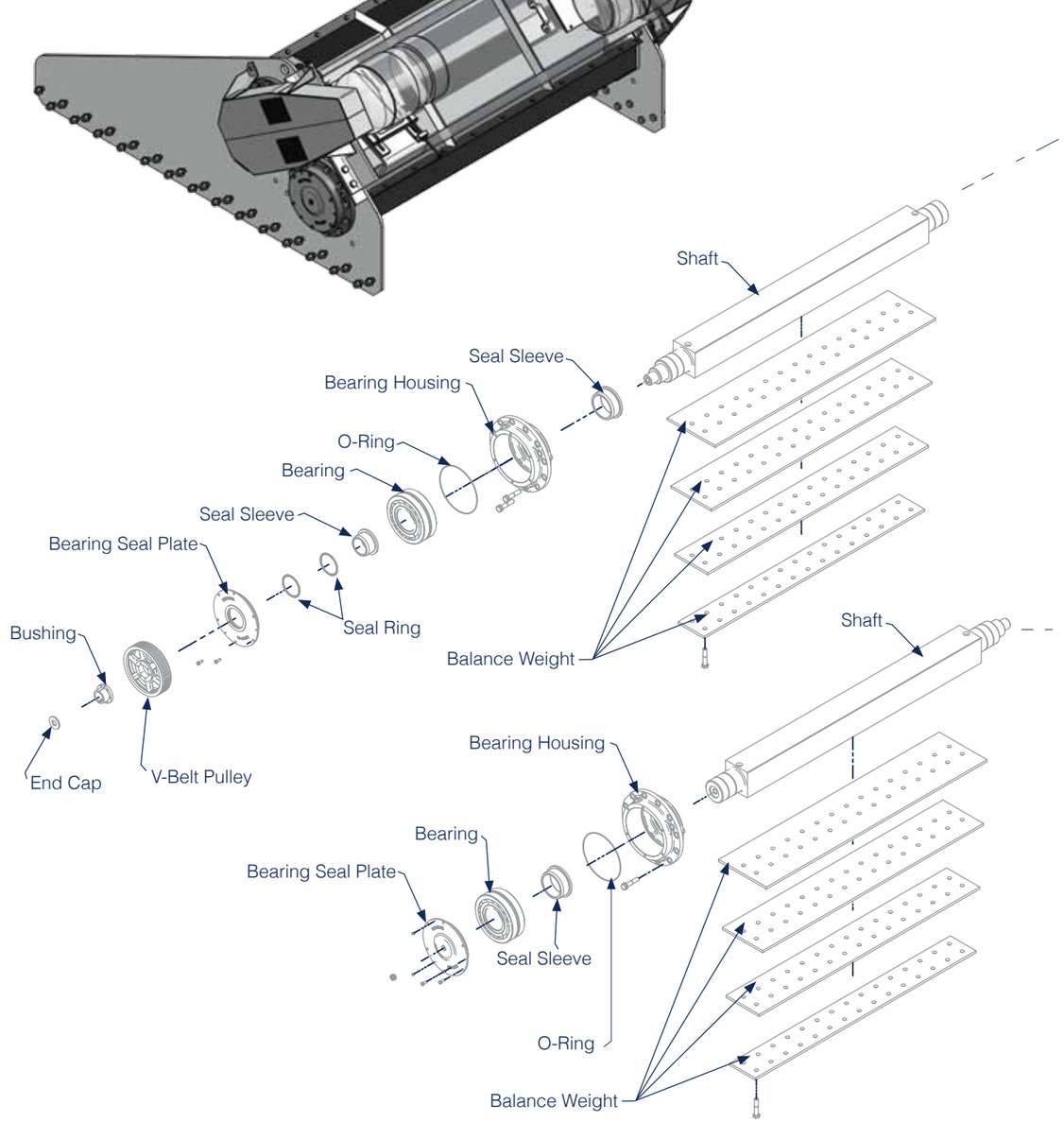
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

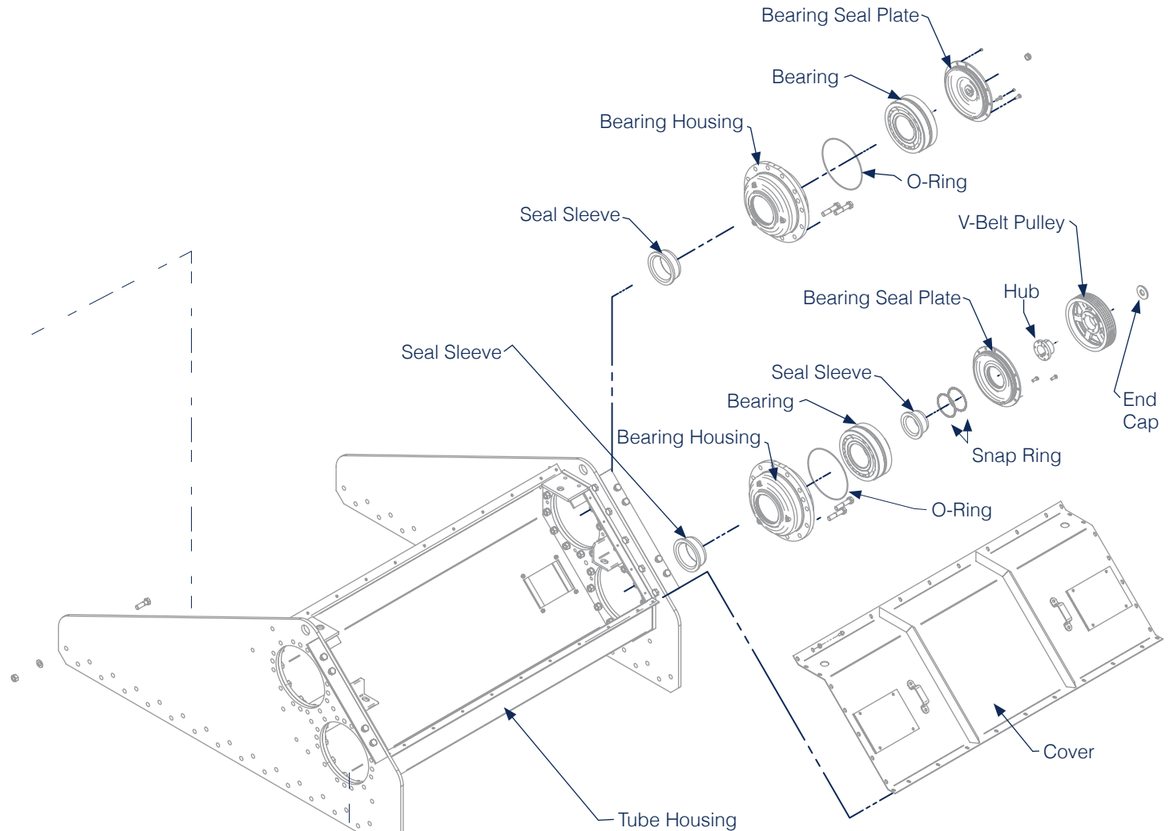
Components • Parts

HAVER & TYLER

L-Class / Ty-Level Shaft Components







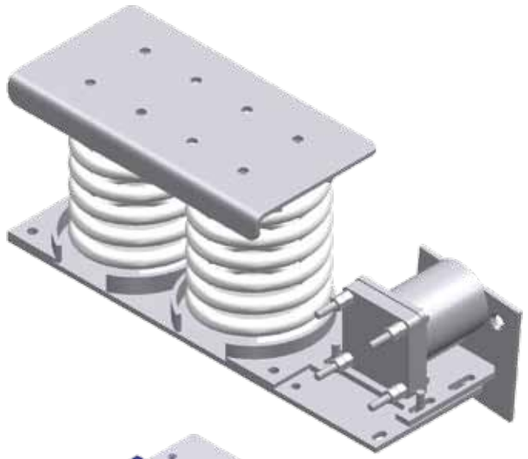
HOW DO I ORDER?

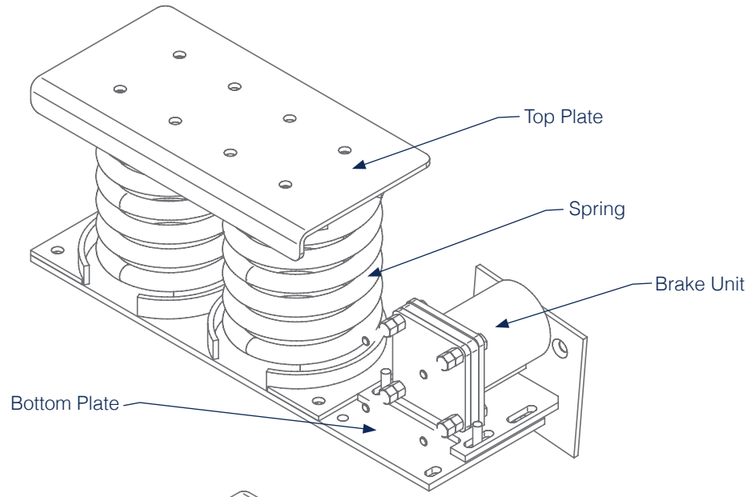
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

HAVER & TYLER

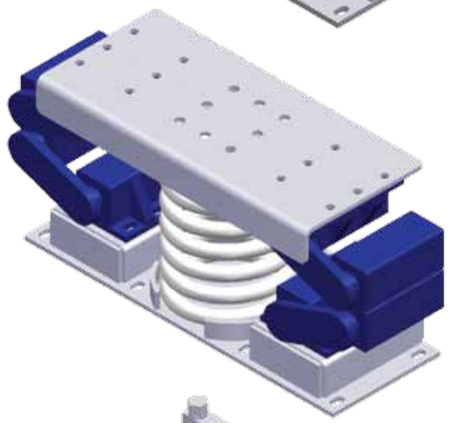
L-Class / Ty-Level Mounting Components

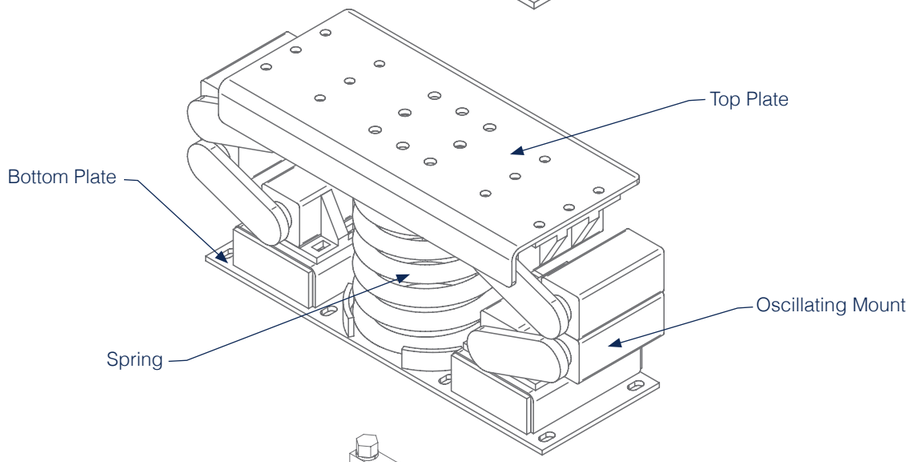
SPRING MOUNT



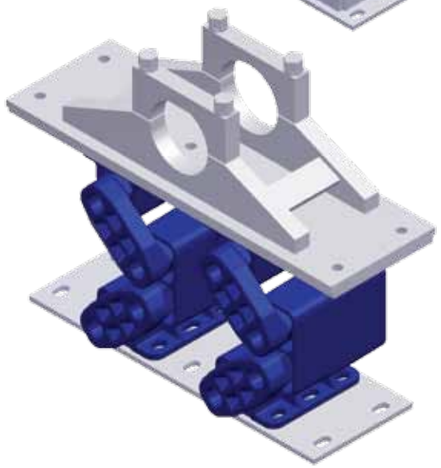


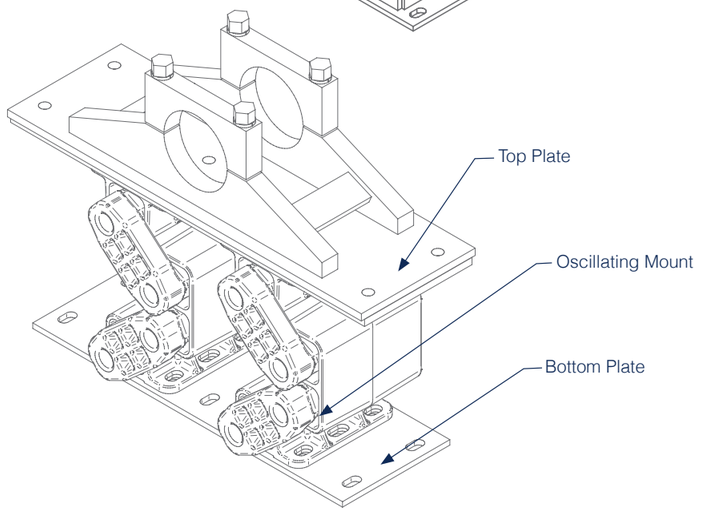
COMBINATION SPRING OSCILLATING MOUNT





OSCILLATING MOUNT



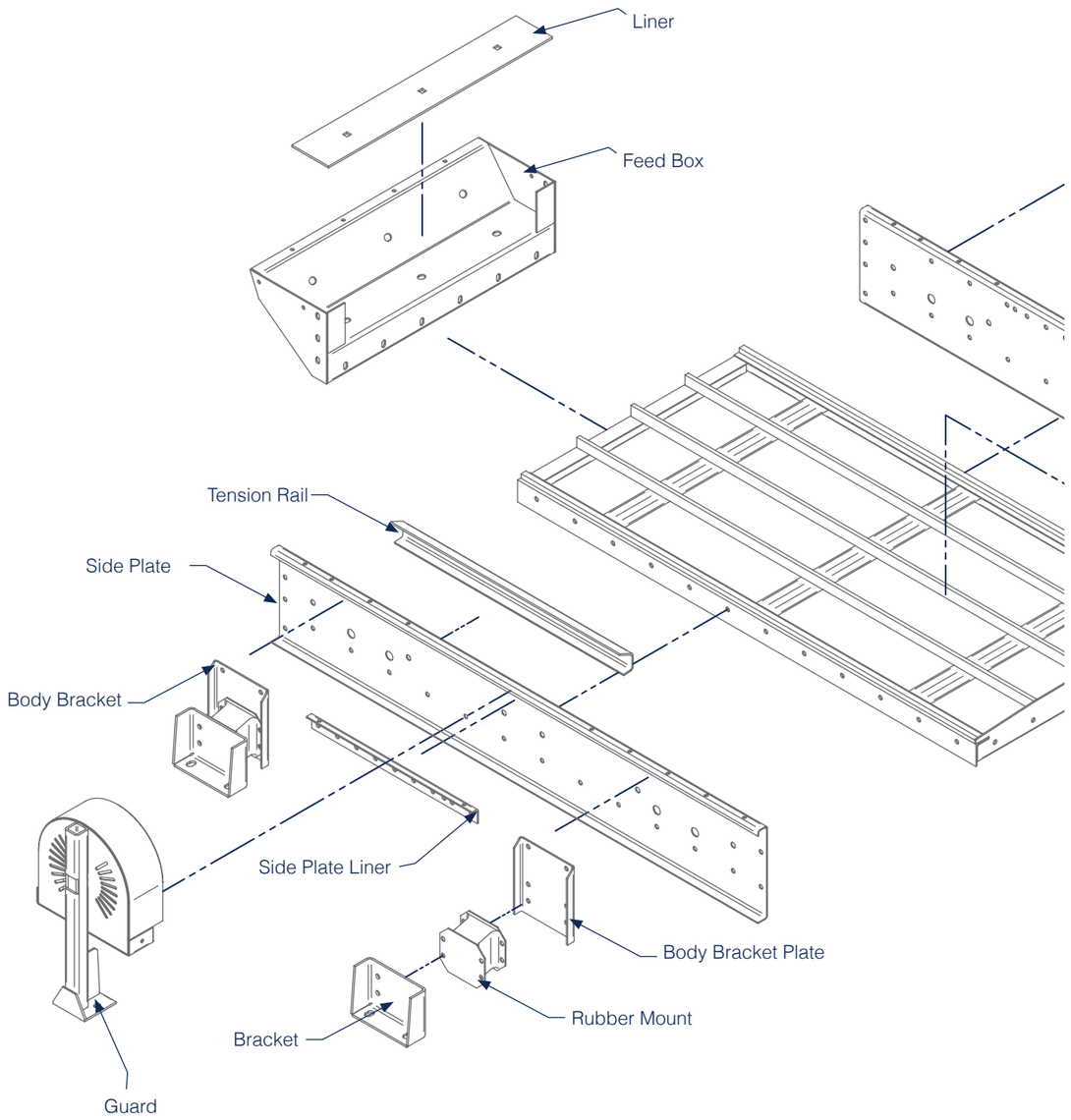


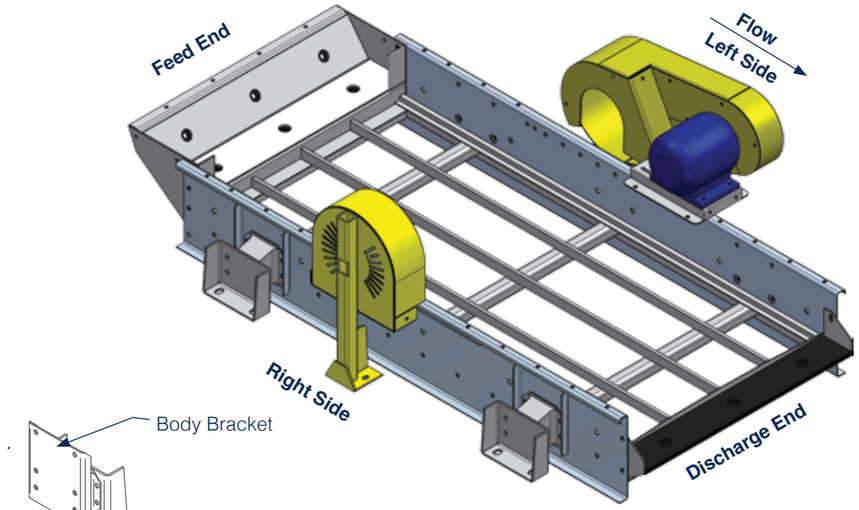
HOW DO I ORDER?

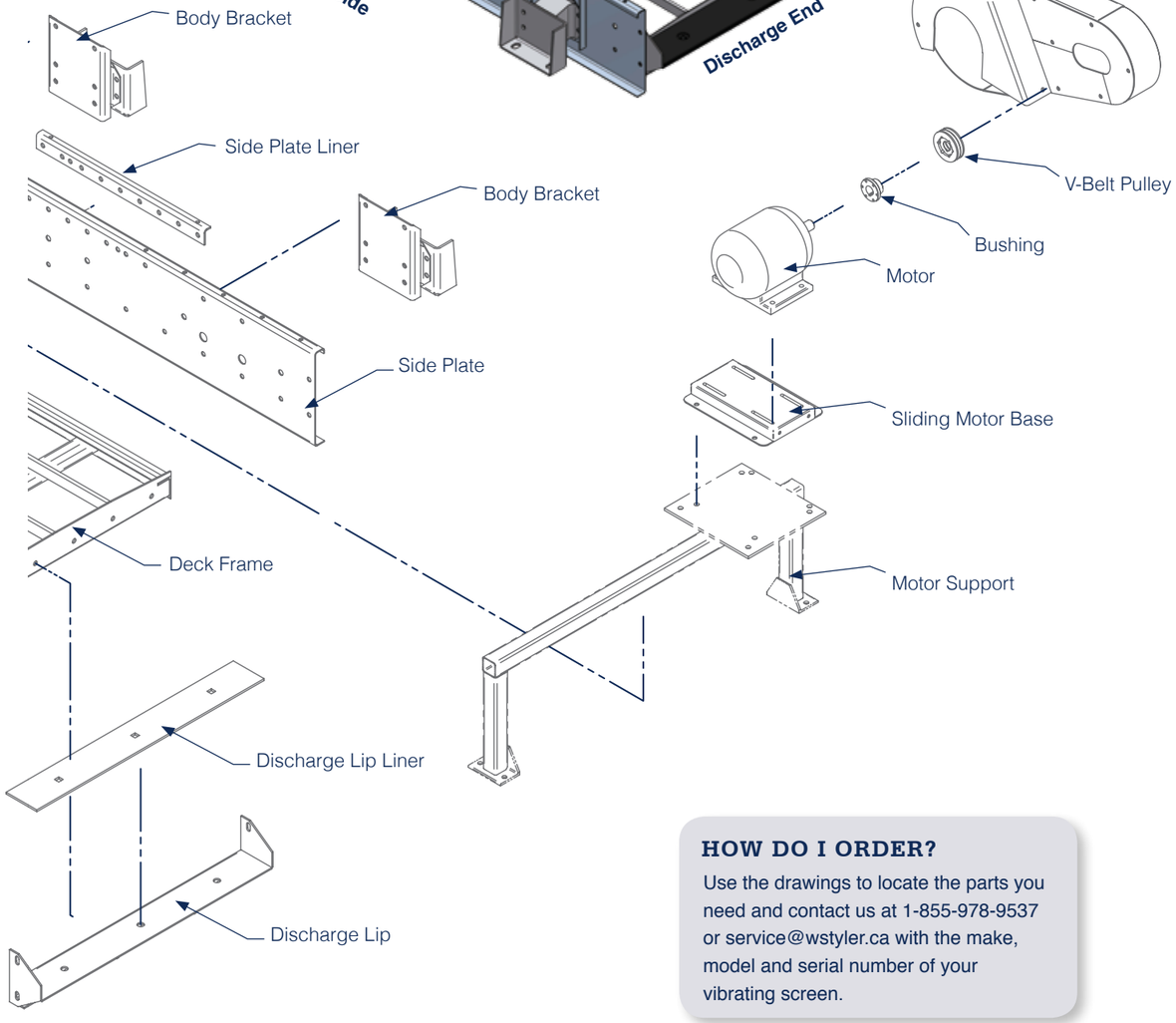
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

HAVER & TYLER

S-Class / Ty-Speed Body Components







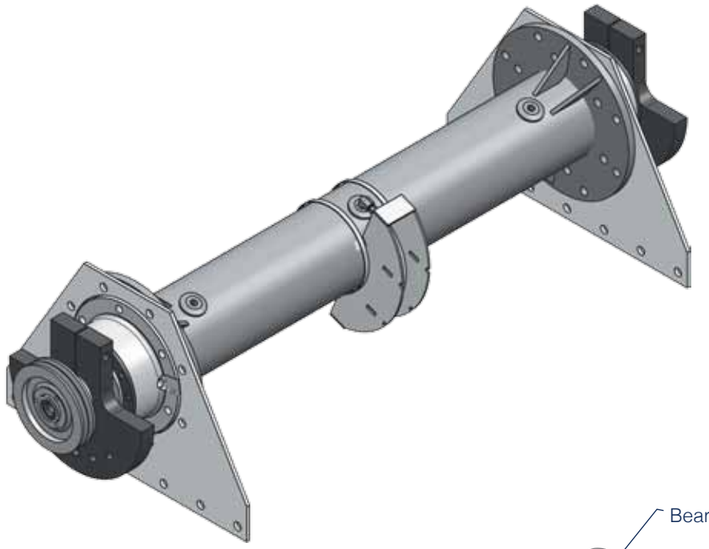
HOW DO I ORDER?

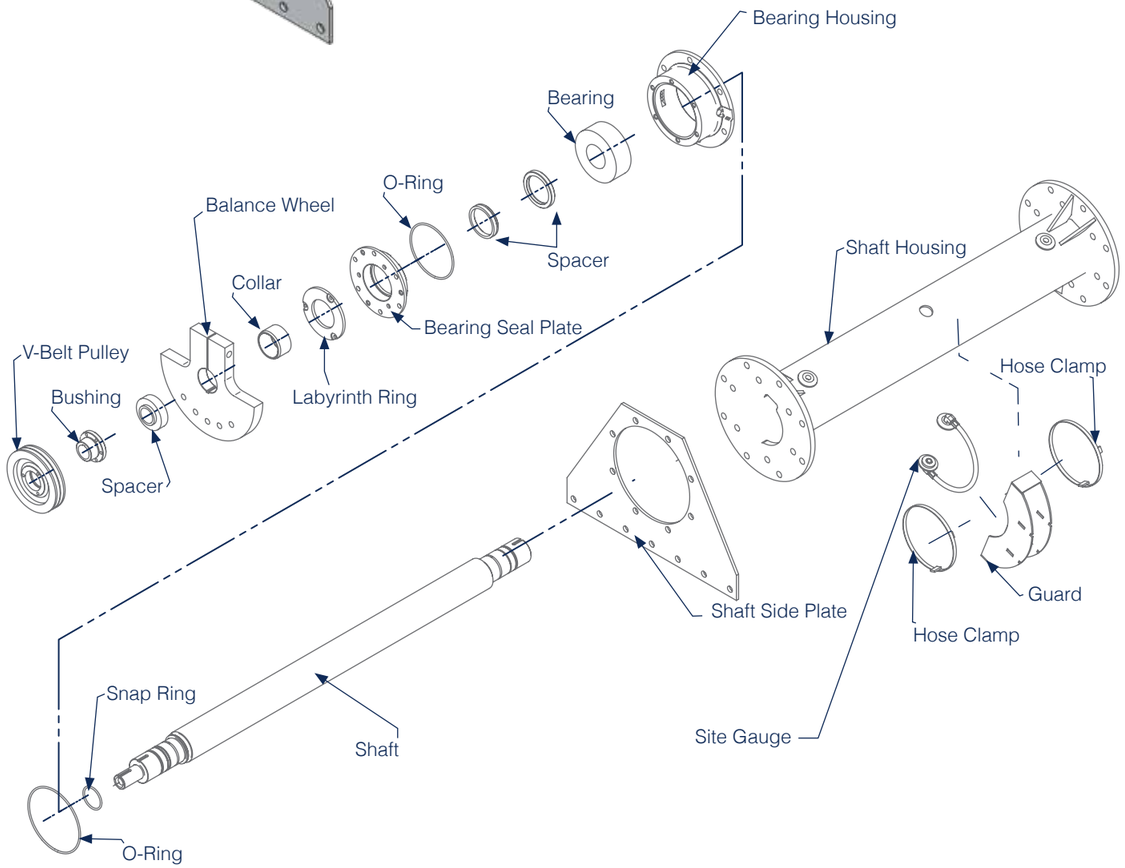
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

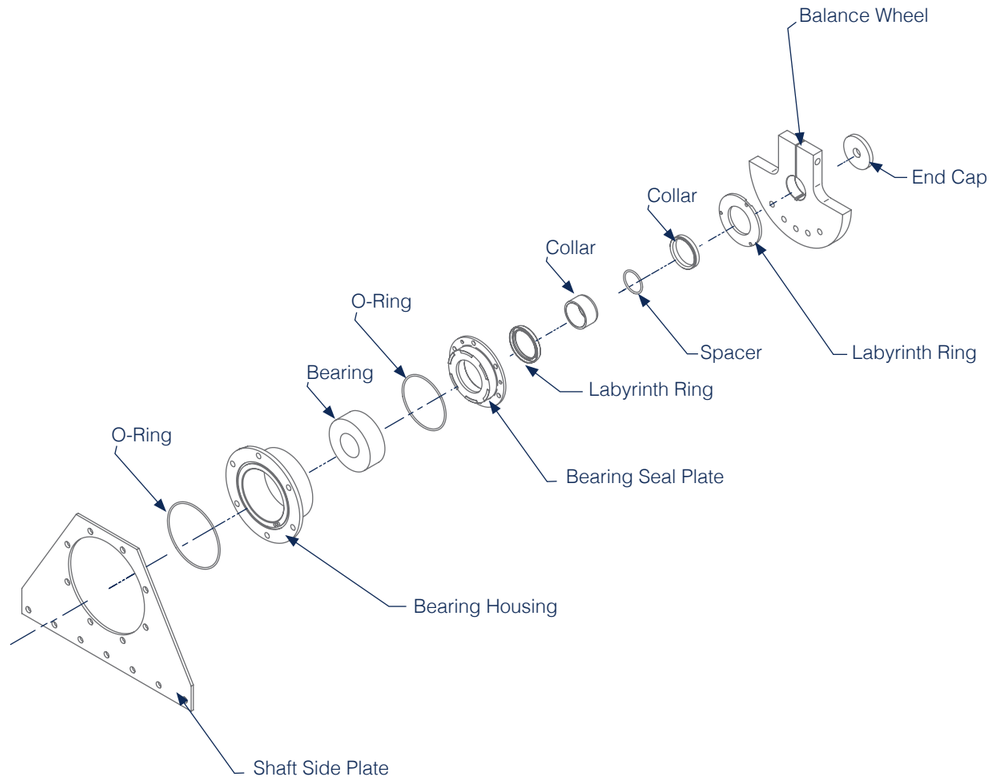
Components • Parts

HAVER & TYLER

S-Class / Ty-Speed Shaft Components







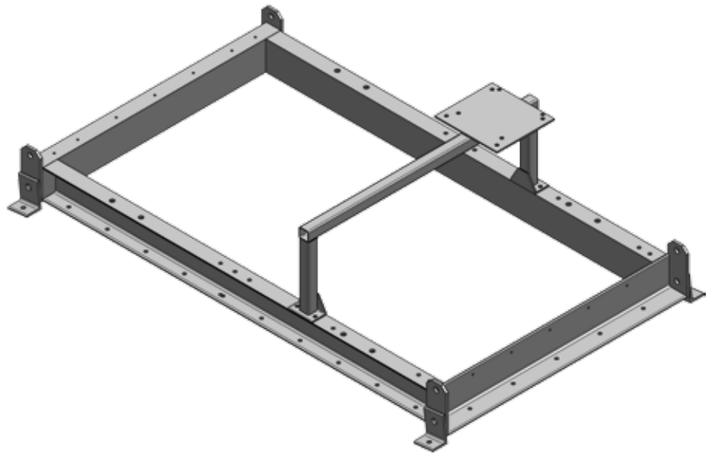
HOW DO I ORDER?

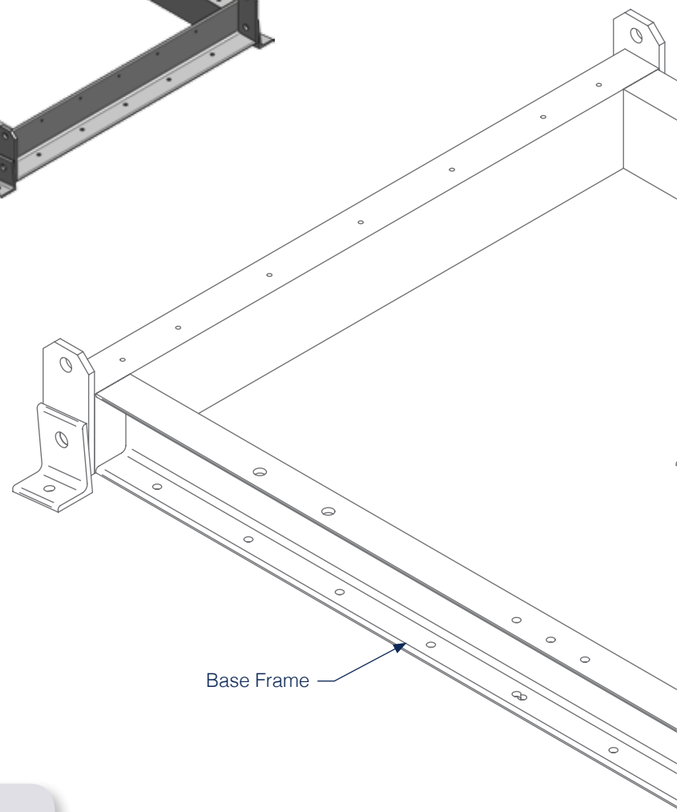
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

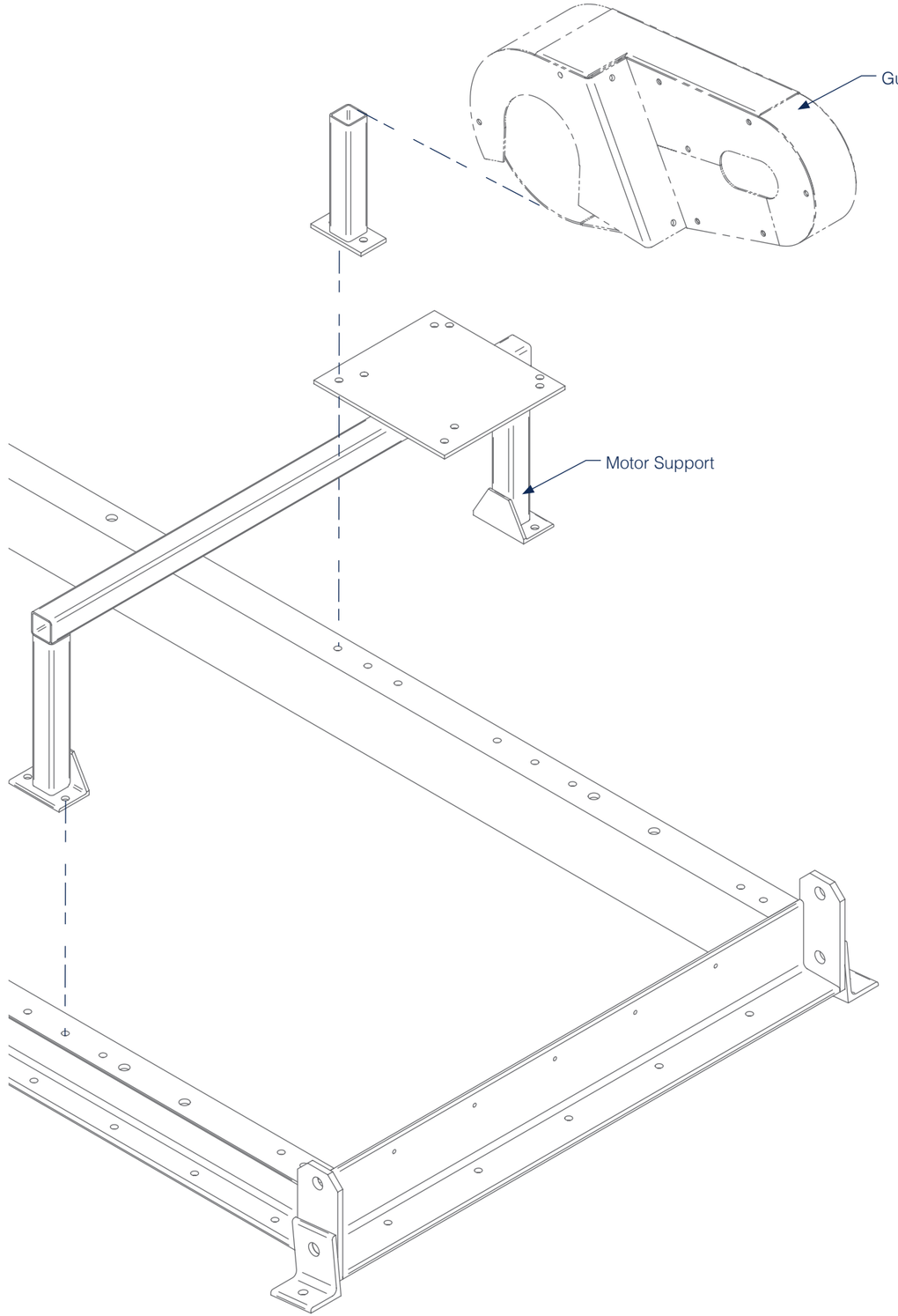
Components • Parts

HAVER & TYLER

S-Class / Ty-Speed Mounting Components







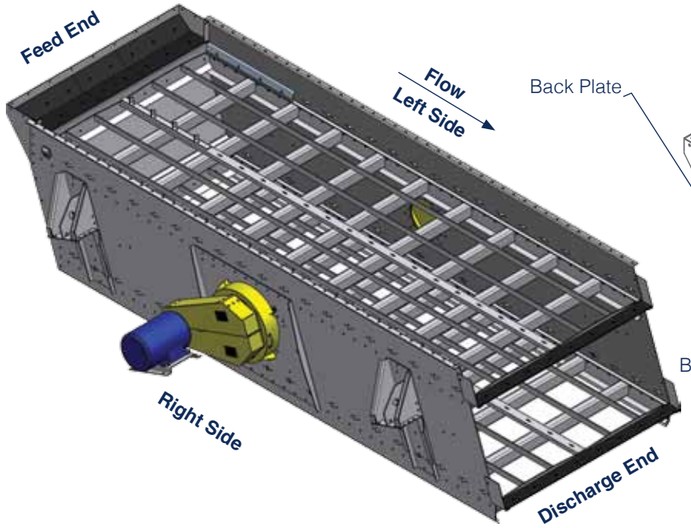
HOW DO I ORDER?

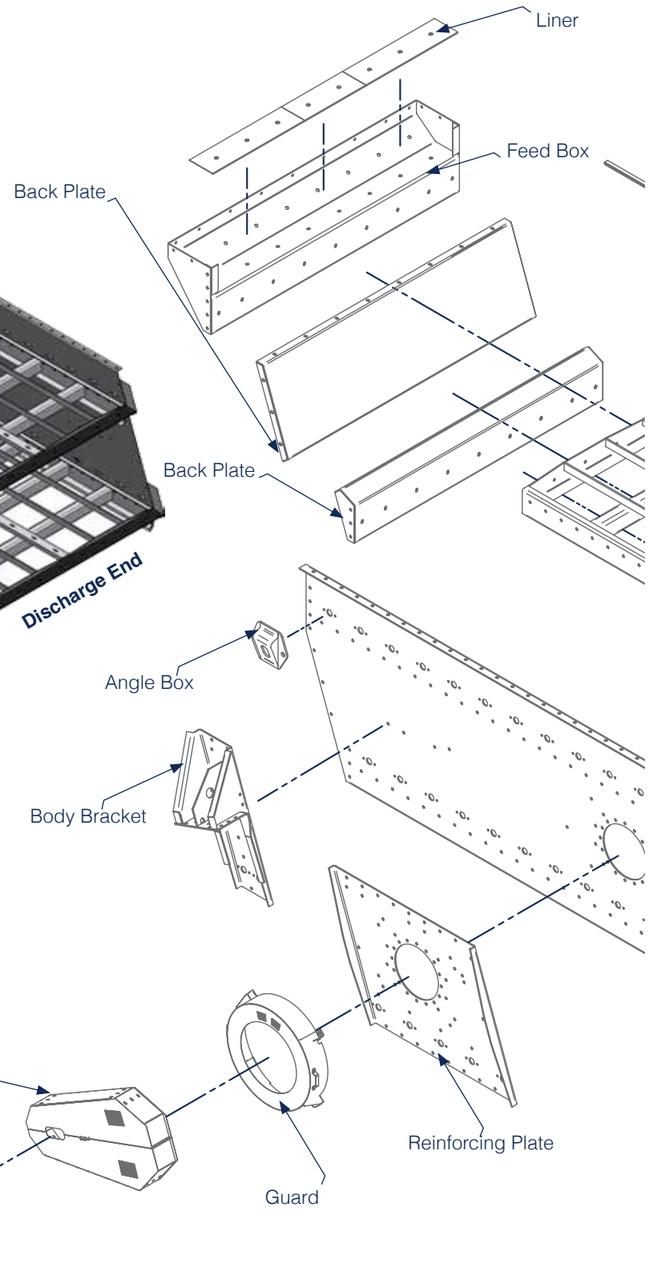
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

Components • Parts

HAVER & TYLER

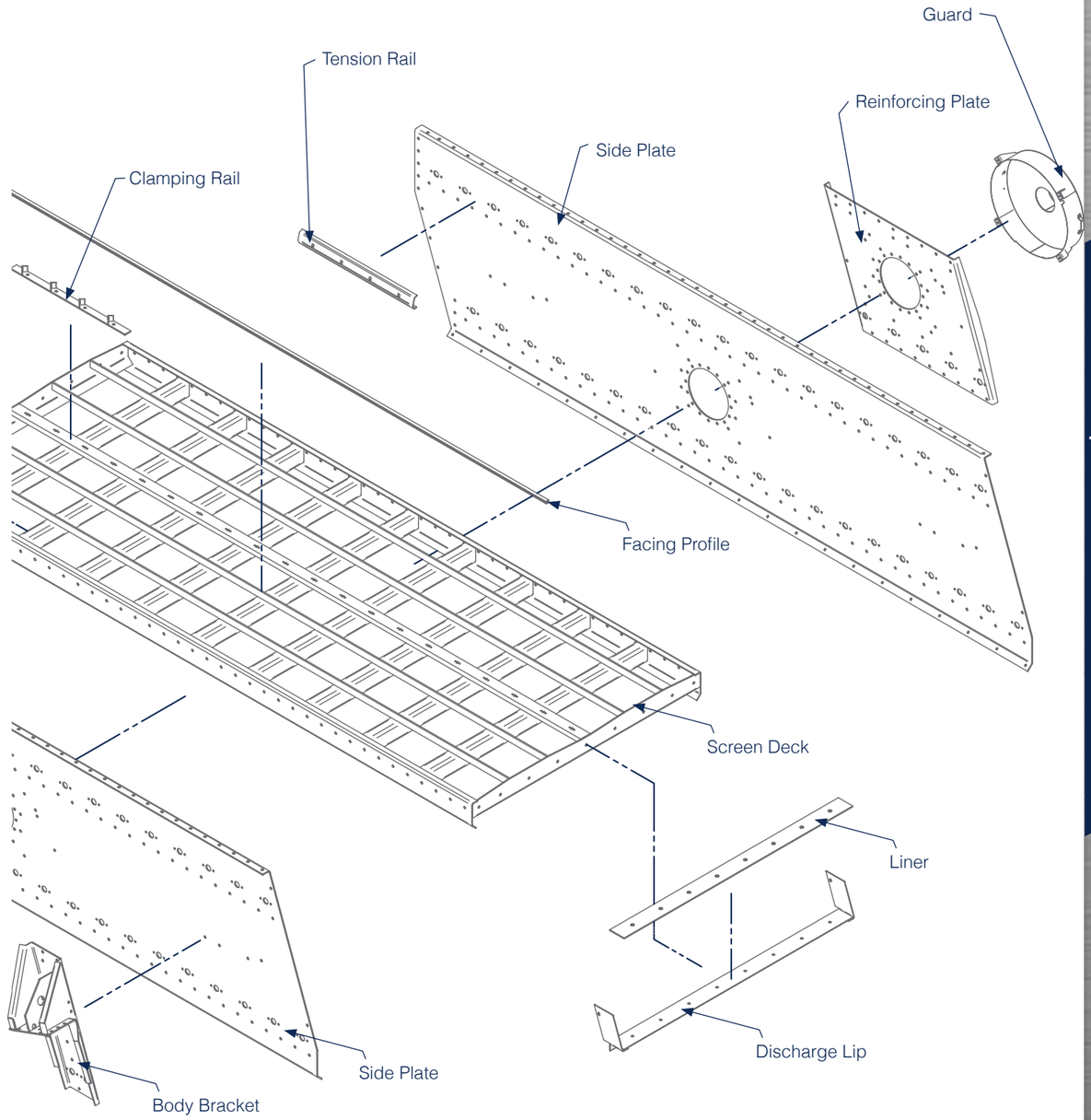
T-Class / Ty-Rocket Body Components





HOW DO I ORDER?

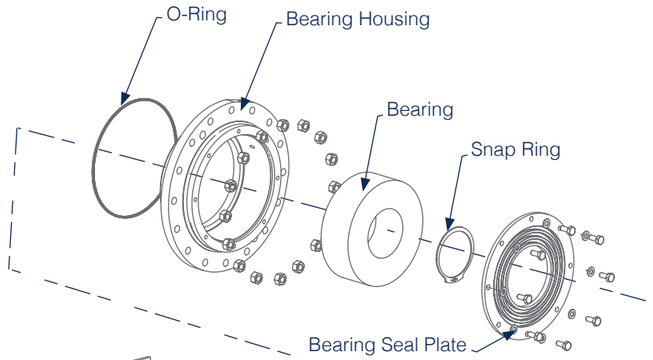
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

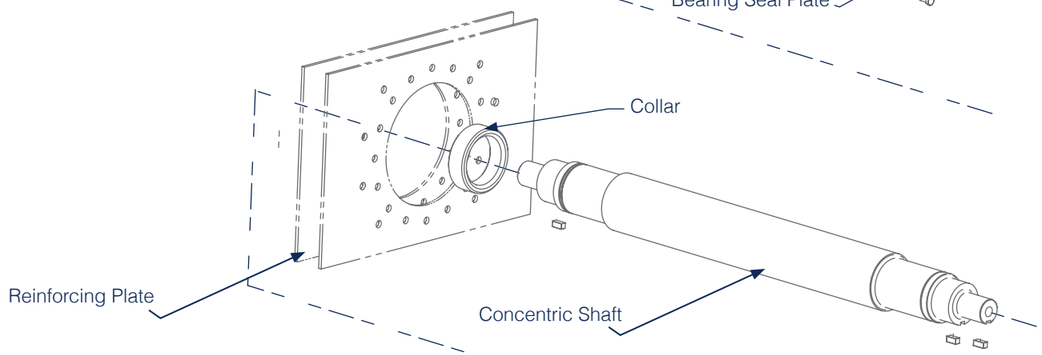


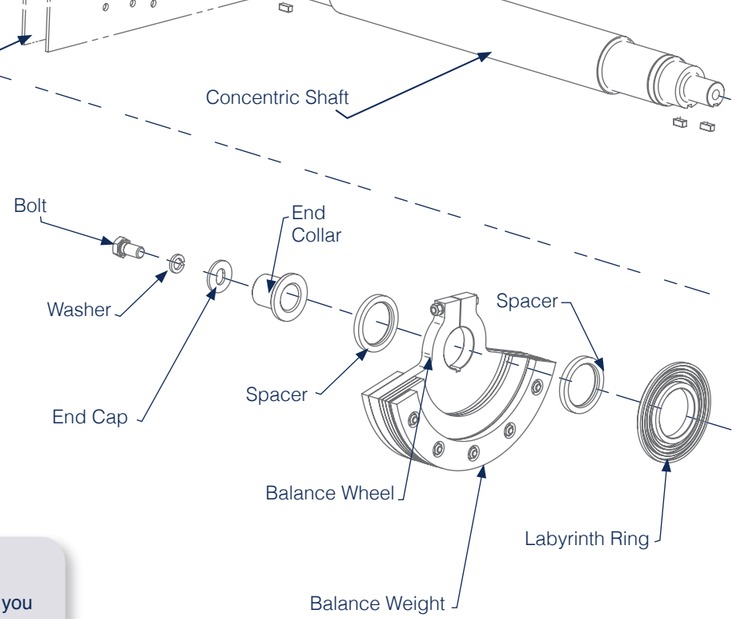
Components • Parts

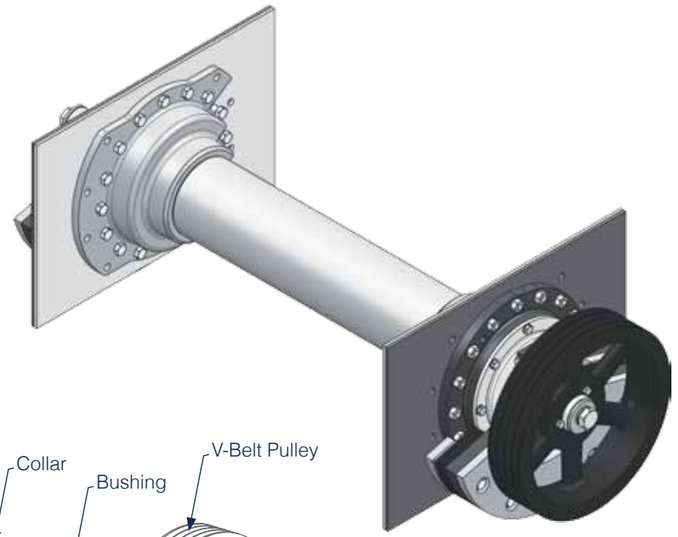
HAVER & TYLER

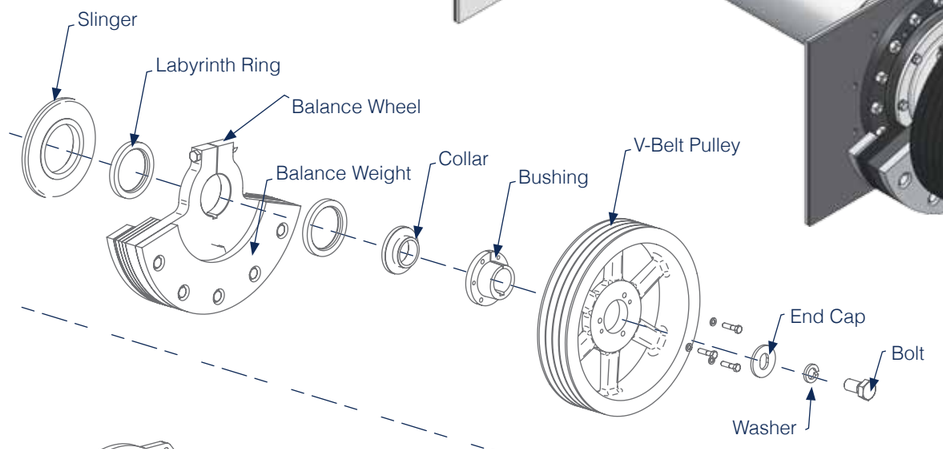
T-Class / Ty-Rocket Shaft Components

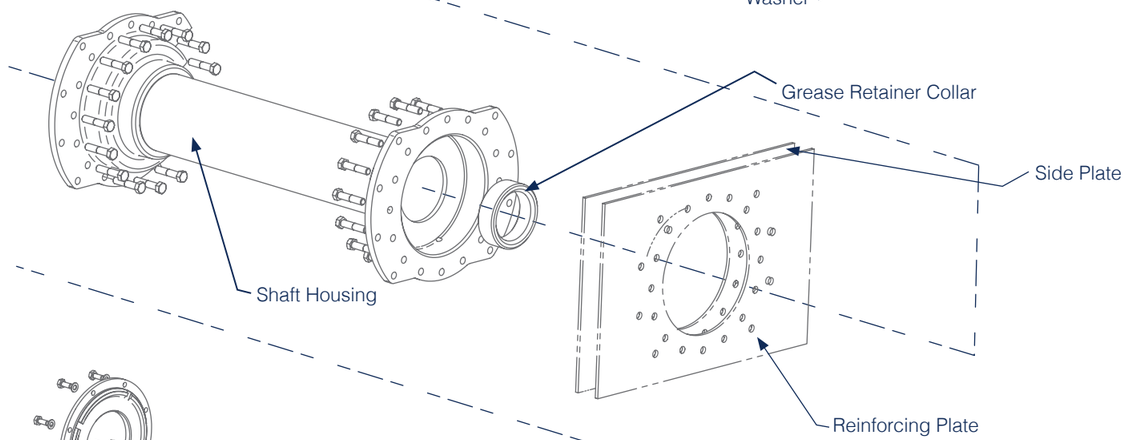


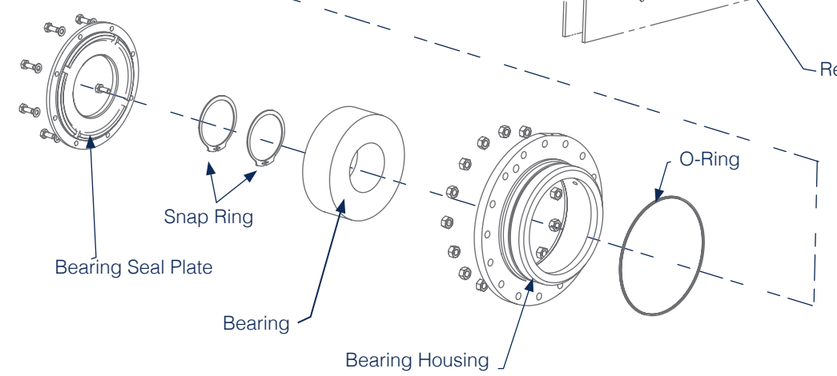












HOW DO I ORDER?

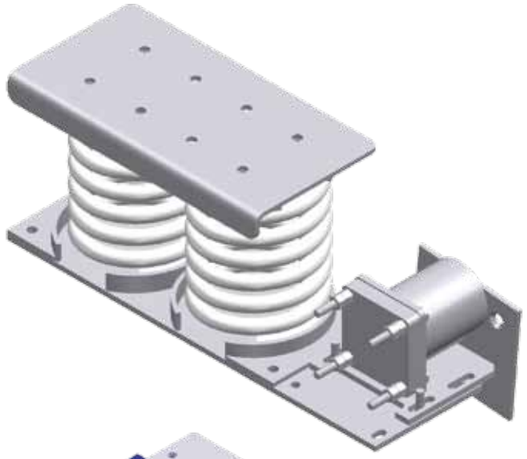
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

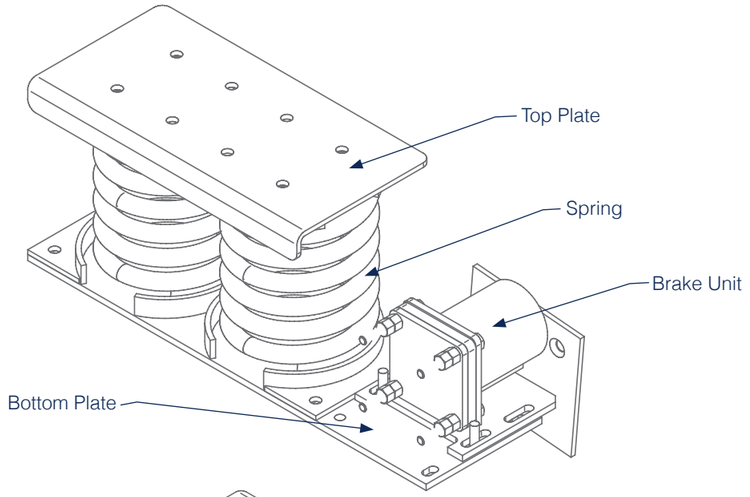
Components • Parts

HAVER & TYLER

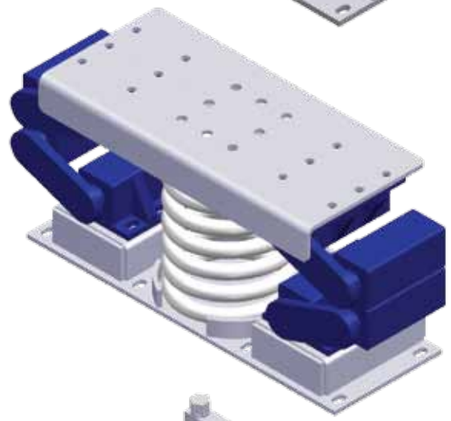
T-Class / Ty-Rocket Mounting Components

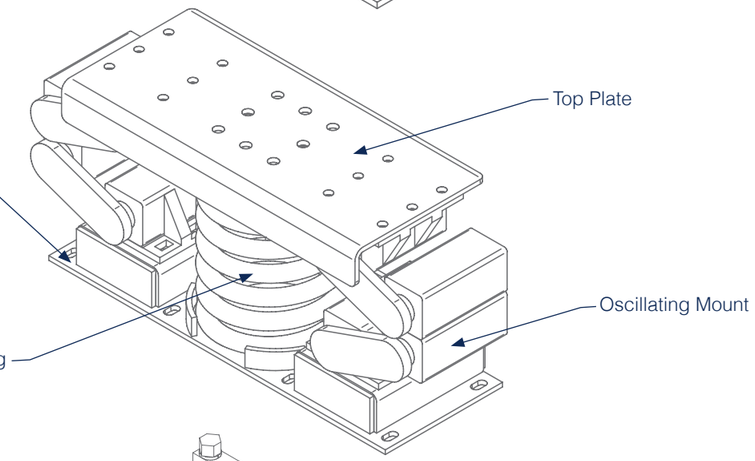
SPRING MOUNT



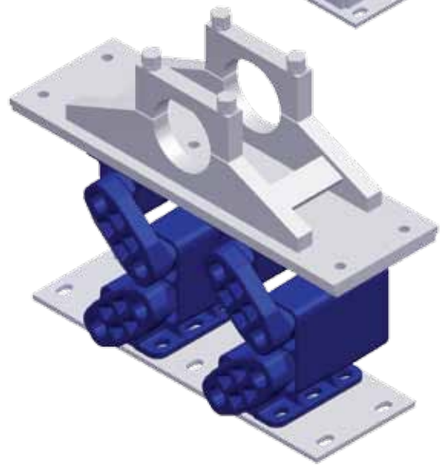


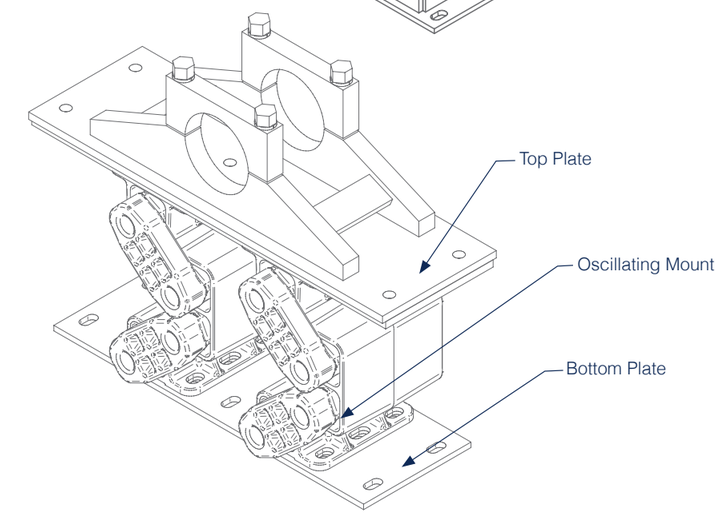
COMBINATION SPRING OSCILLATING MOUNT





OSCILLATING MOUNT





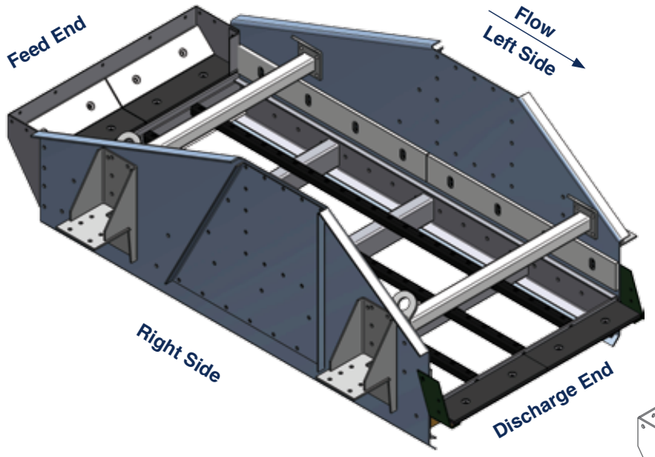
HOW DO I ORDER?

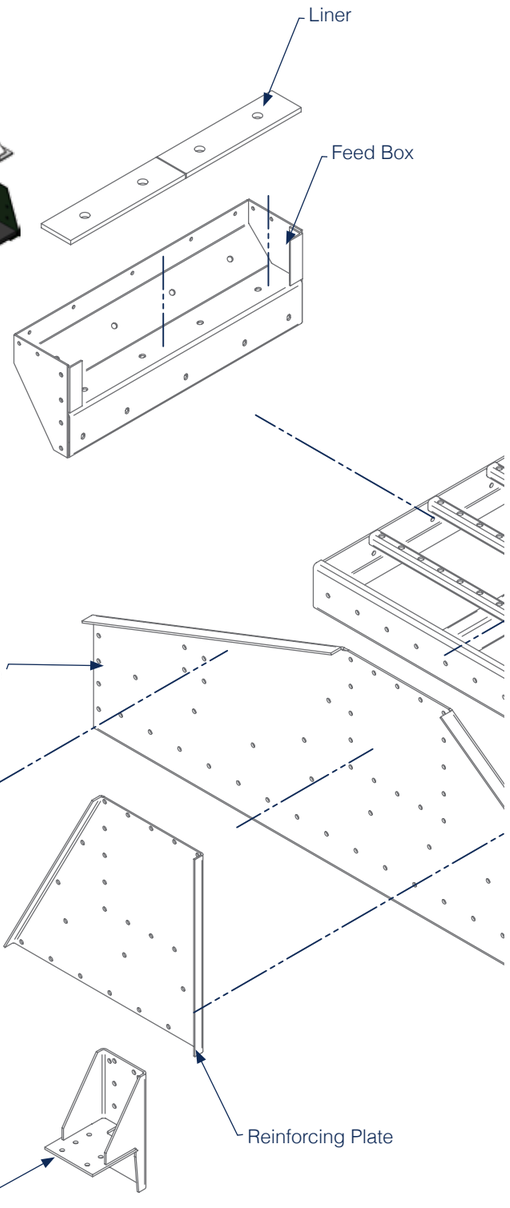
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

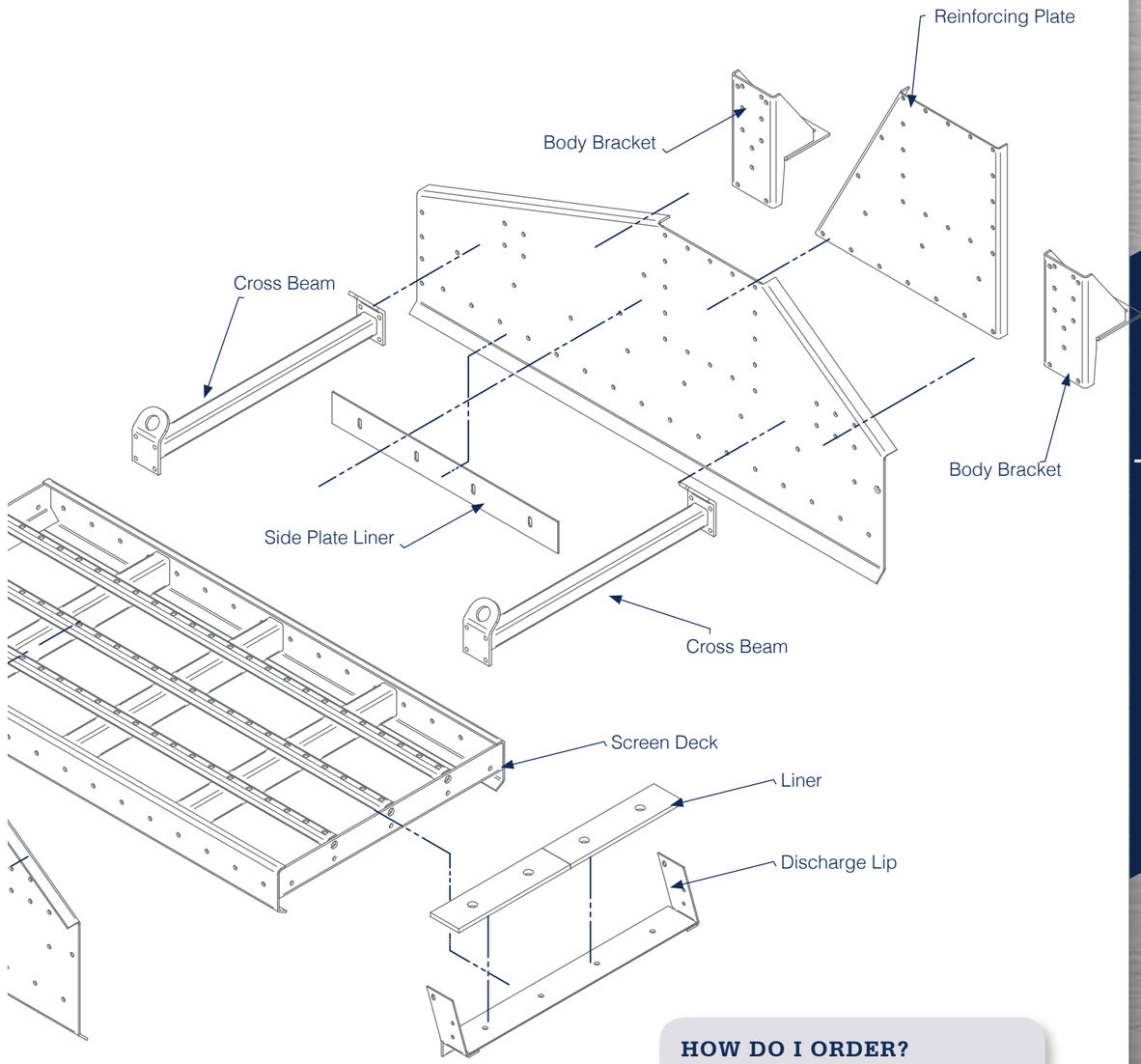
Components • Parts

HAVER & TYLER

UML-Class Body Components







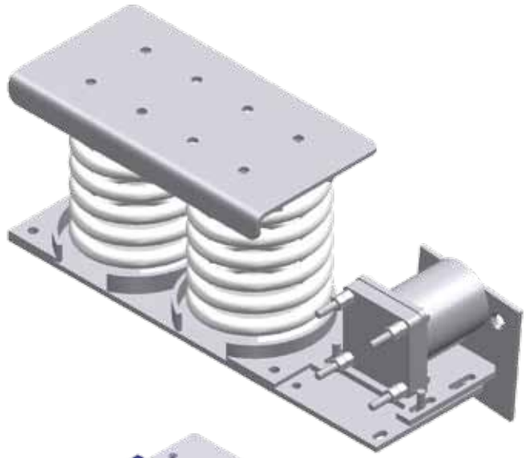
HOW DO I ORDER?

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.

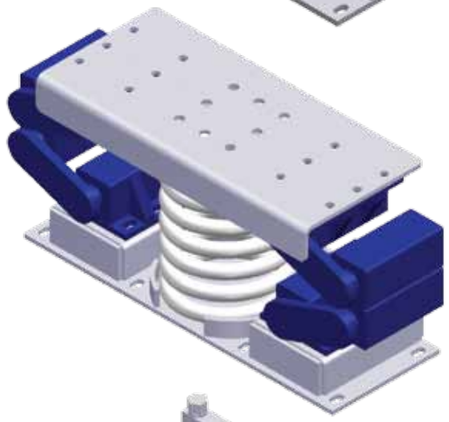
Components • Parts

UML-Class Mounting Components

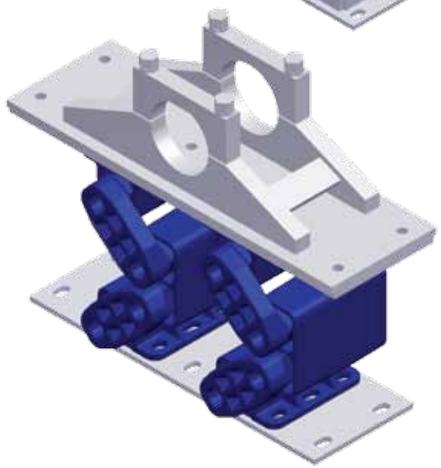
SPRING MOUNT



COMBINATION SPRING OSCILLATING MOUNT



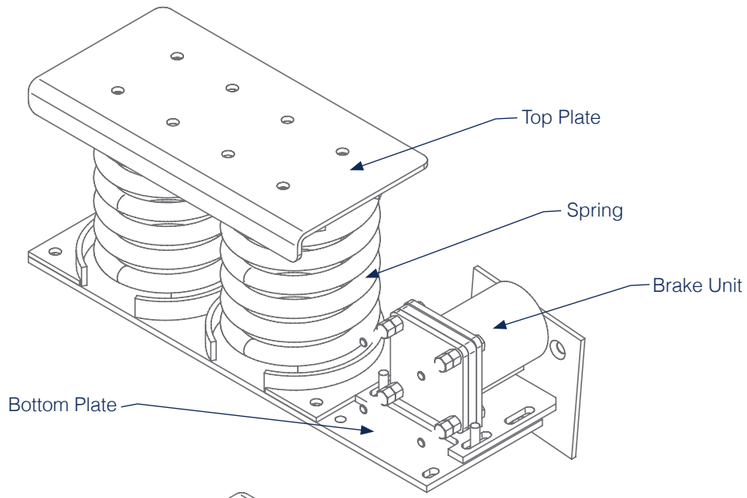
OSCILLATING MOUNT

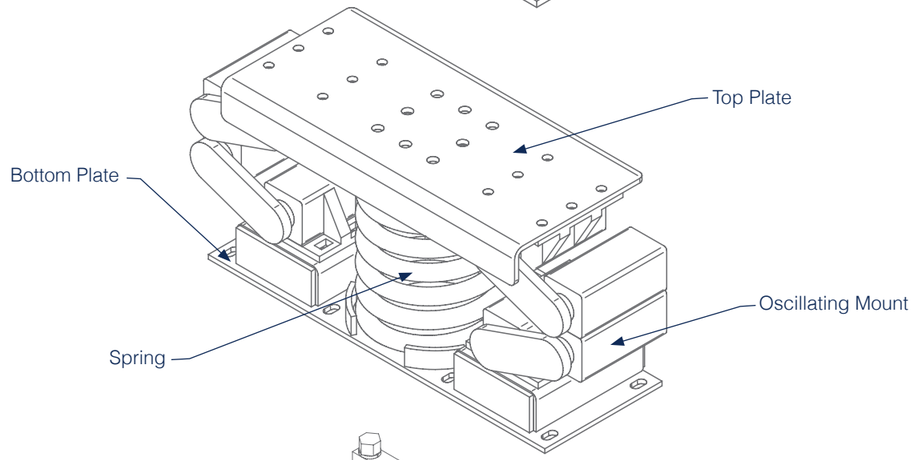


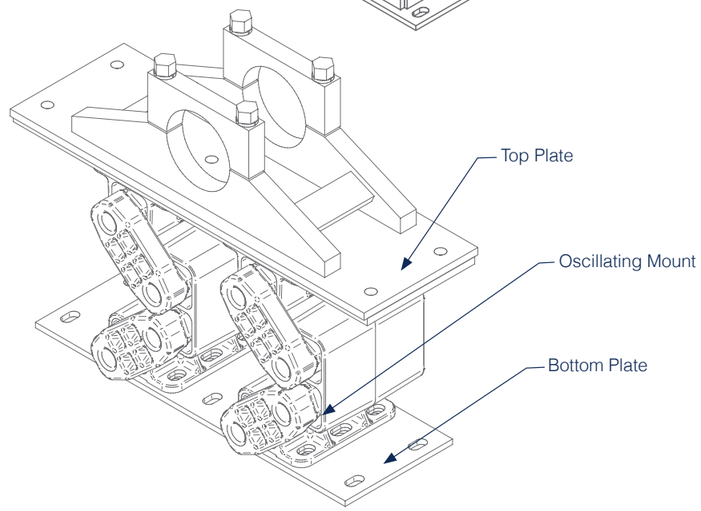
HOW DO I ORDER?

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.

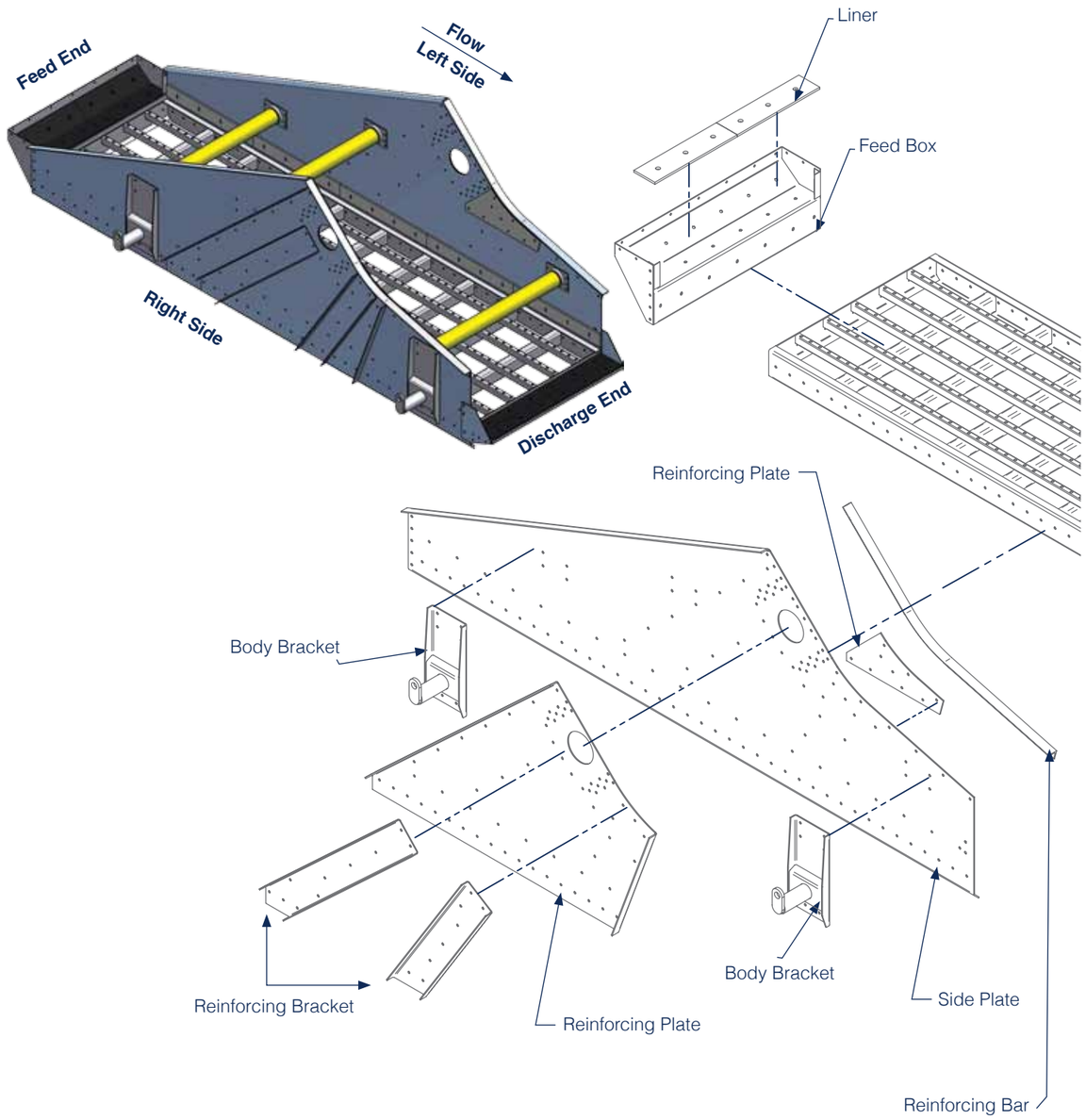
HAVER & TYLER

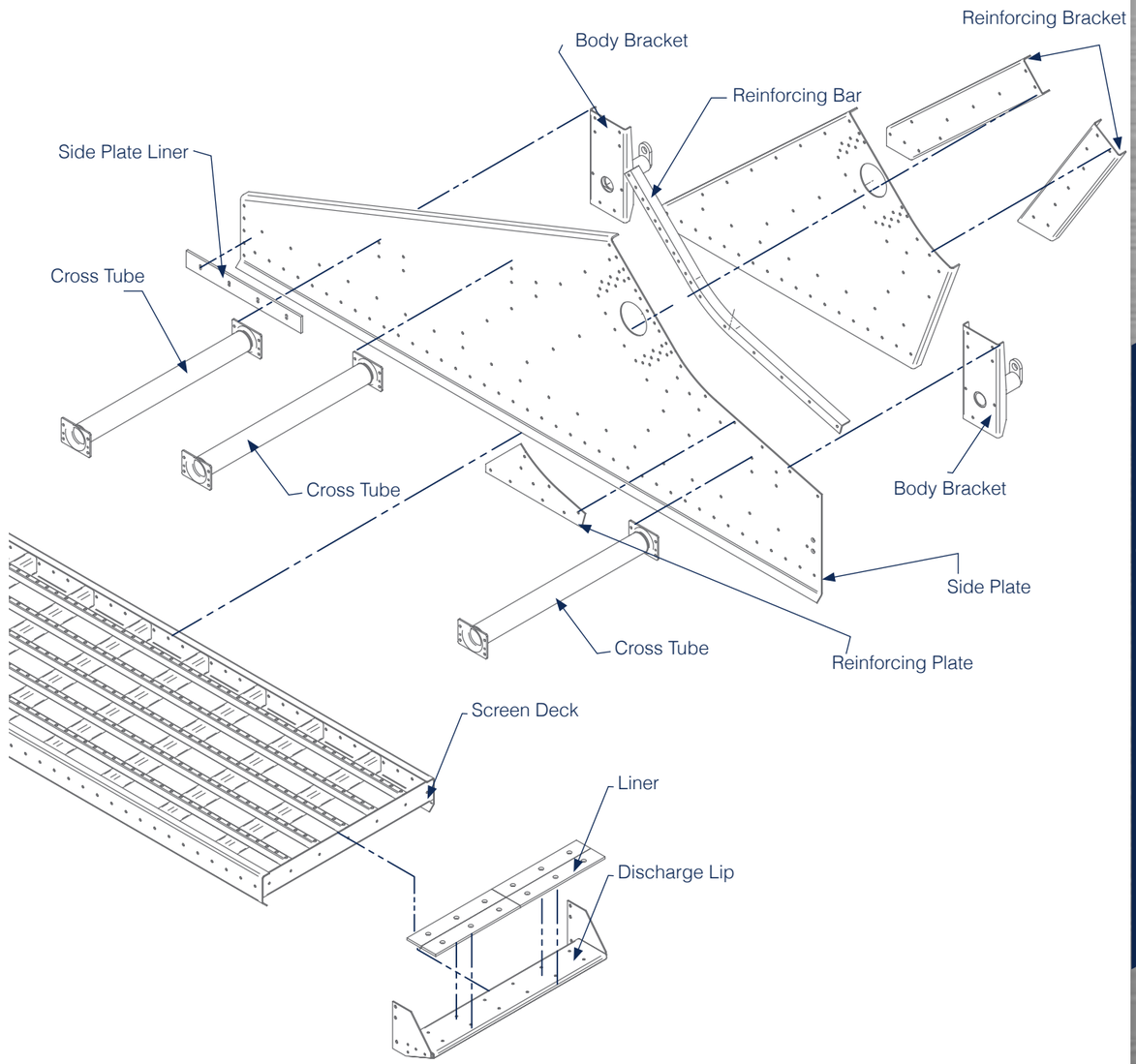






XL-Class Body Components



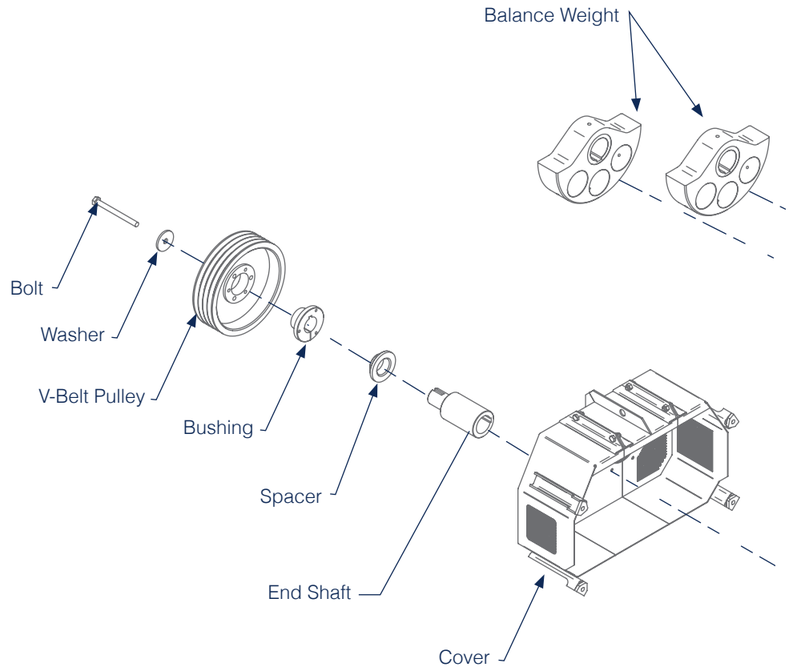


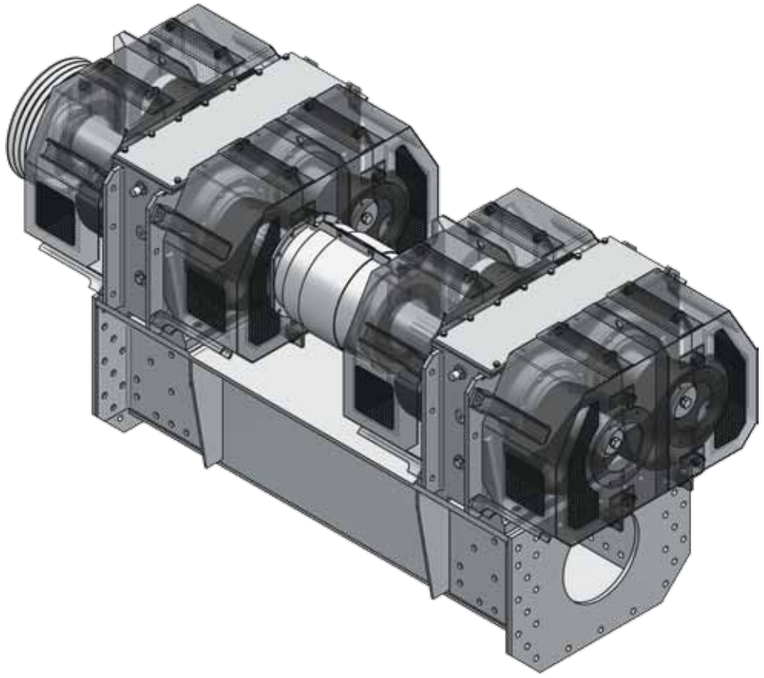
HOW DO I ORDER?

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.

HAVER & TYLER

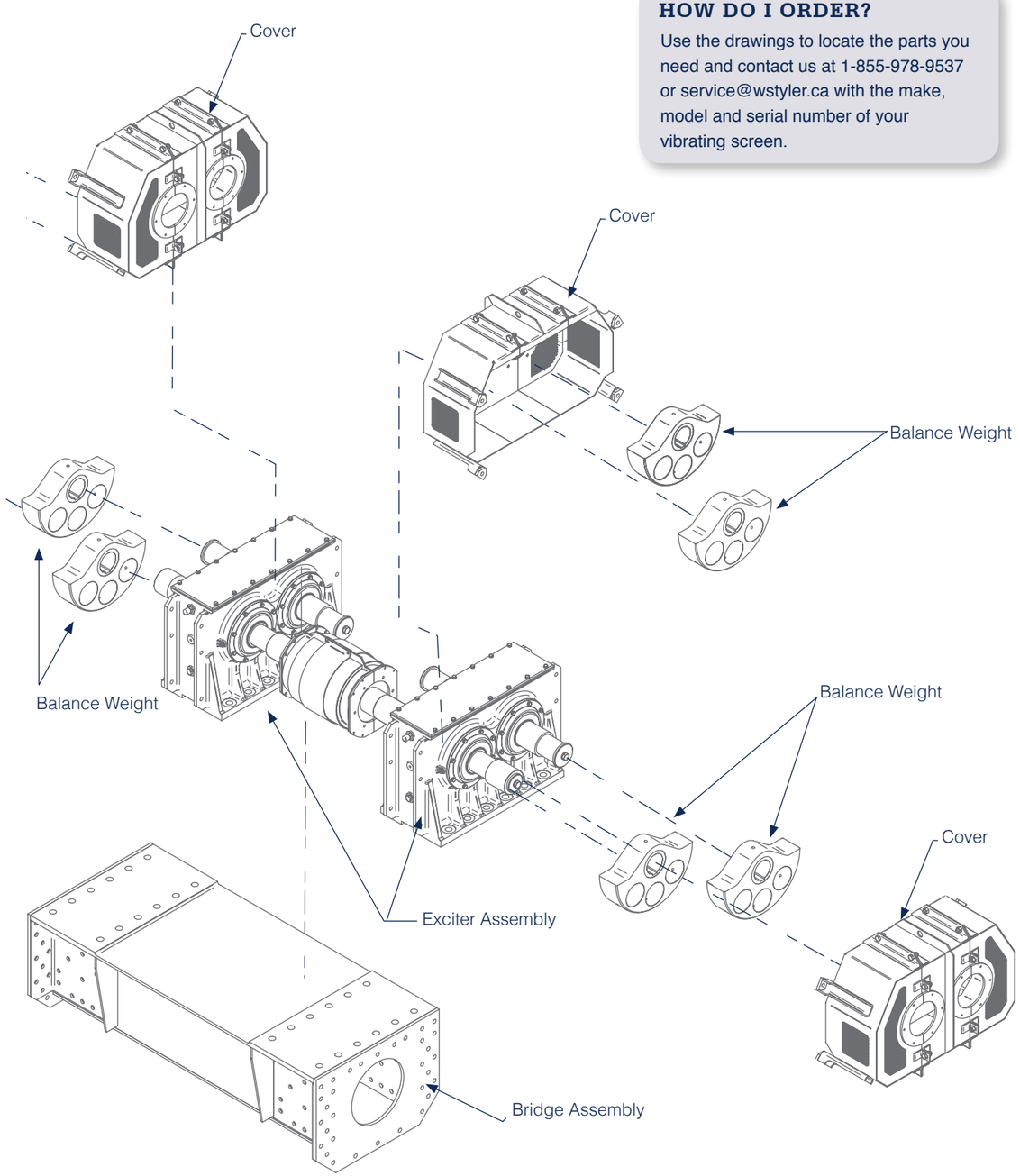
XL-Class Shaft Components





HOW DO I ORDER?

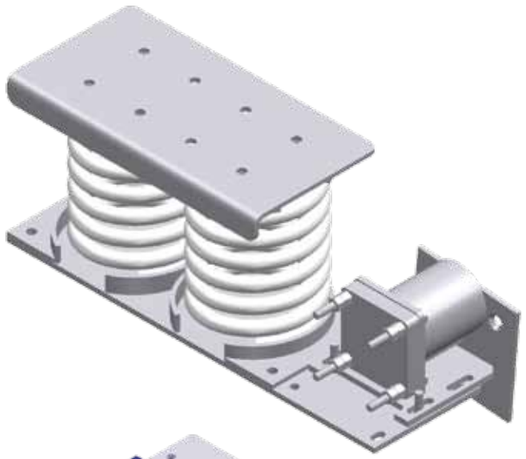
Use the drawings to locate the parts you need and contact us at 1-855-978-9537 or service@wstyler.ca with the make, model and serial number of your vibrating screen.

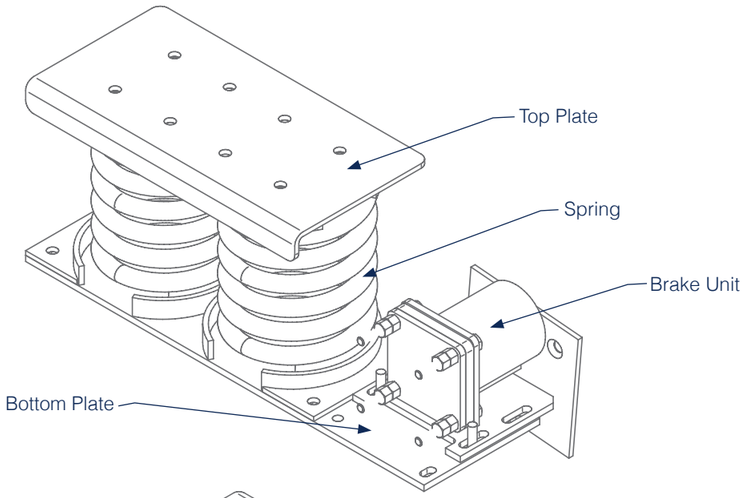


Components • Parts

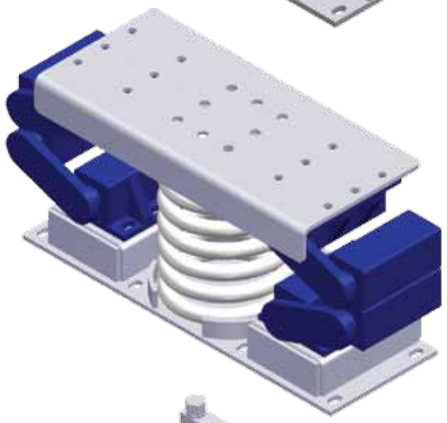
XL-Class Mounting Components

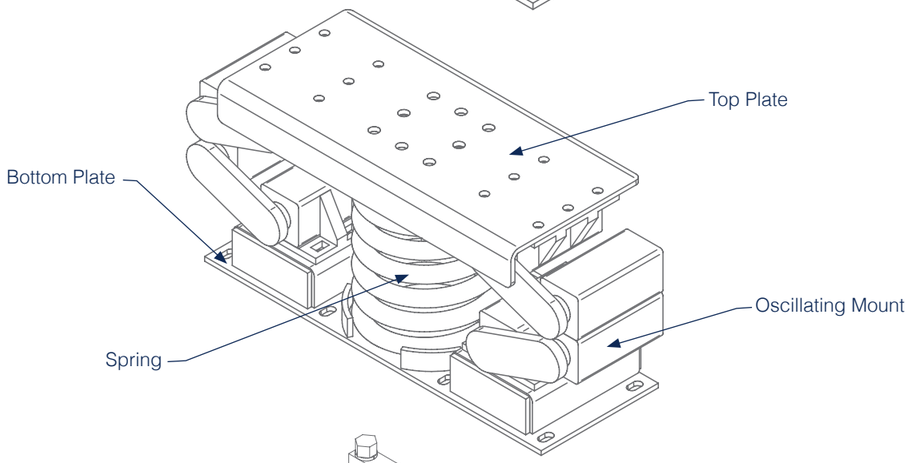
SPRING MOUNT



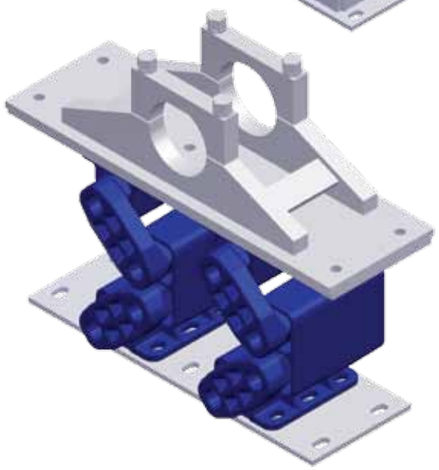


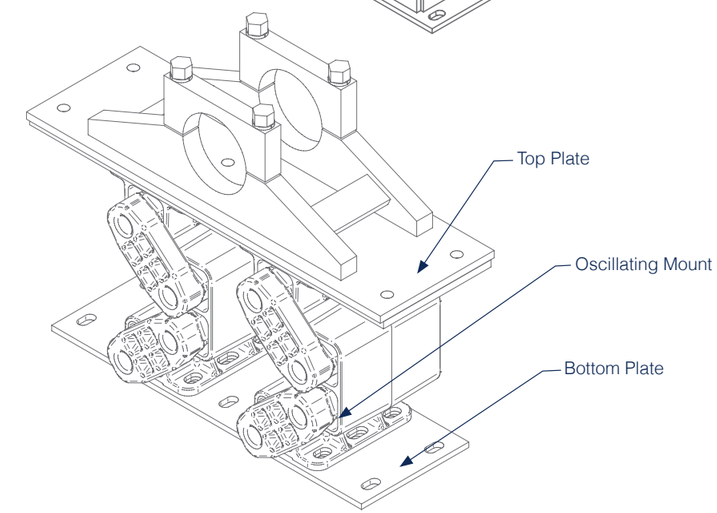
COMBINATION SPRING OSCILLATING MOUNT





OSCILLATING MOUNT





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.

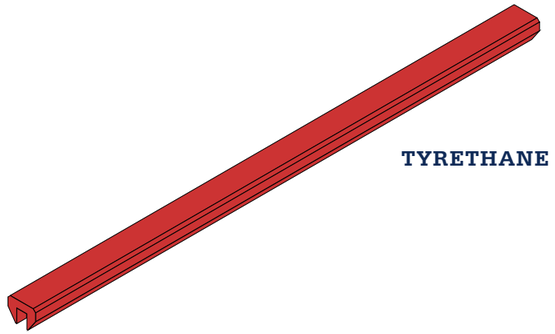
HAVER & TYLER

Components • Parts

HAVER & TYLER

Bar Rail Liners

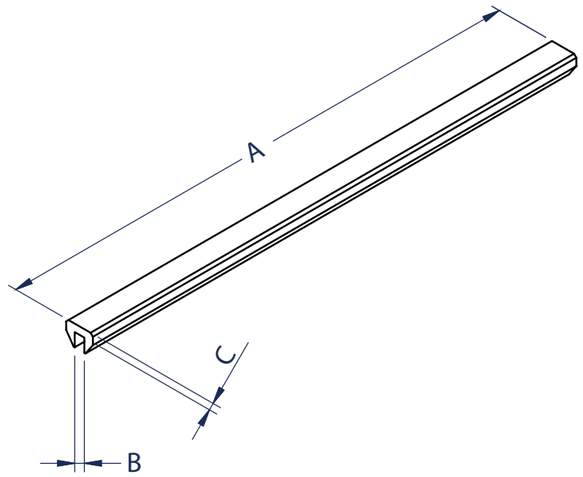
Bar rail liners protect your screen media from sharp edges and provide support. Available in rubber and polyurethane for superior wear resistance.



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

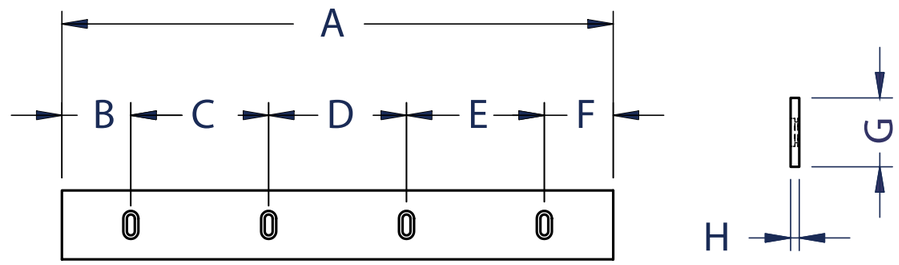
- Available for feedbox, side plate and discharge lip.
- Wear resistant materials protect vibrating screens from premature wear and prevent major repair work.
- Easy installation minimizes maintenance shutdown times.

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:

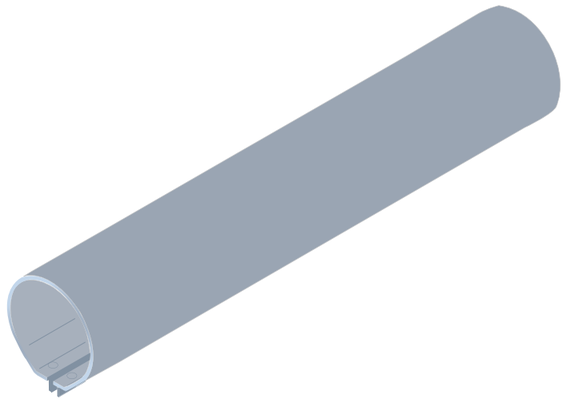
A – Length
B – Distance from end to first hole
C – Distance from first hole to second hole
D – Distance from second hole to third hole
E – Distance from third hole to fourth hole
F – Distance from fourth hole to end
G – Height
H – Thickness

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.



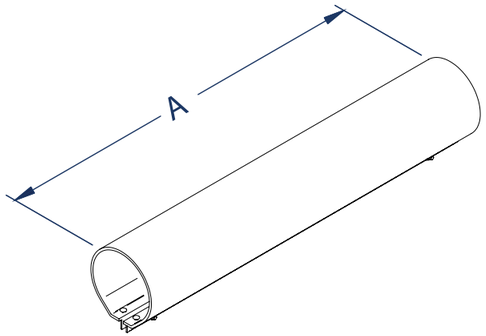
ACCESSORIES

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



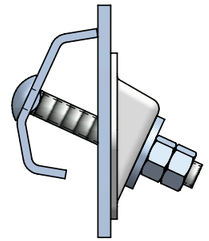
Please Provide:
A – Length of liner
B – Diameter

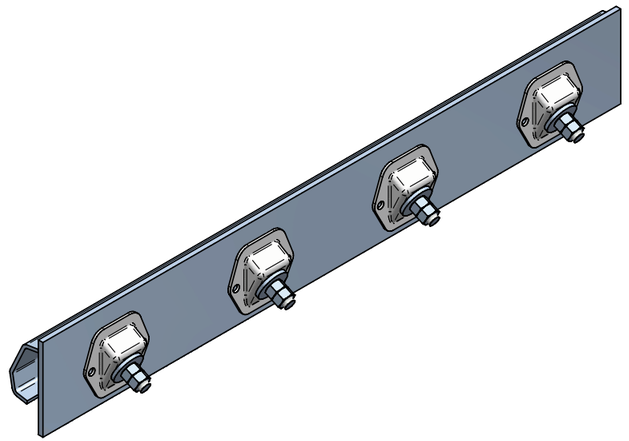
Part Number *	Nominal Width of Vibrating Screen	Liner Material
200014067	6'	Rubber 1/4"
200016108	8'	
200005478	6'	Wear Resistant Steel
200001289	8'	

*** 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*

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*

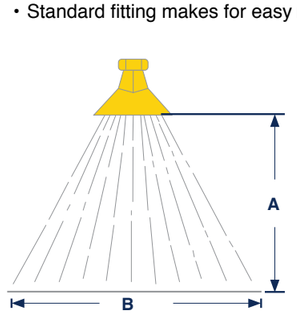
Discharge Lip Liners I *see page 112-113*

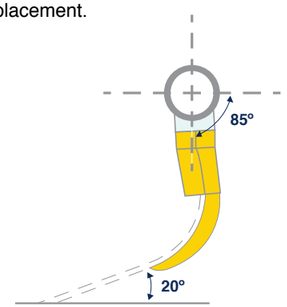
Side Plate Liners I *see page 112-113*

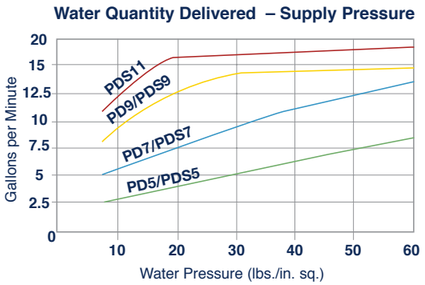
Shaft Housing Liners I *see page 114*

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

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

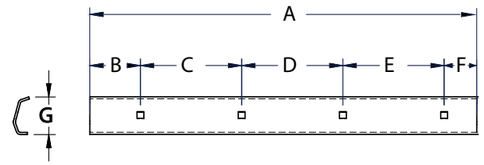
- Three-bend design ensures perfect installation position of tensioned screens on cambered deck frames.
- Increased stiffness evenly distributes tension forces across the full length of screen hook, minimizing premature failure.
- For additional wear resistance, tension rails are also available lined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

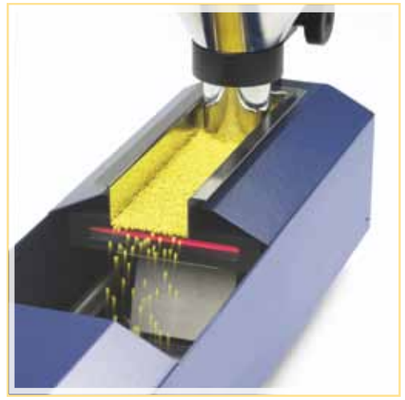
For the Perfect Fit

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: 2 CMPT CTU Transmitters 1 Enclosure Plus CMPT DCL's for Vibration Monitoring and temperature
200166100	SKF COPPERHEAD SYSTEM
	CPHD 2 EC
	Fault Detection Kit consisting of: 2 accelerometers with temperature sensor 2 CTU 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

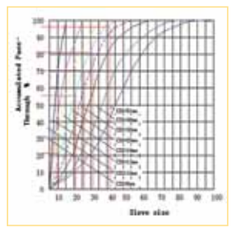
- The high resolution, digital line camera analyzes the size and shape of up to 10,000 particles per second as small as 10 microns.
- The easy-to-use software provides particle size distribution and numerous calculations immediately with ensured repeatability.
- Full automation minimizes quality assurance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

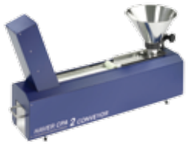
WHAT DO I NEED TO KNOW?

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 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'								
		24'						4 (160mm)		

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' 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		

HAVER & TYLER

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

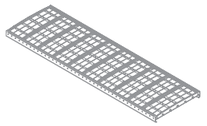
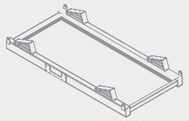
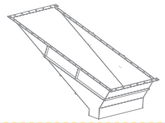
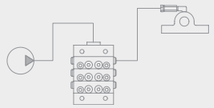
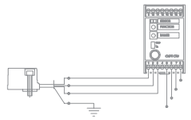
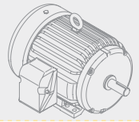
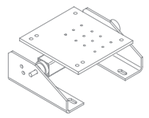
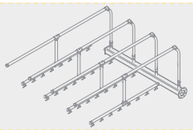
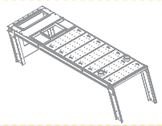
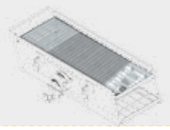
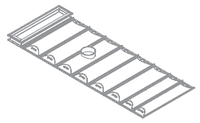
HOW DOES IT WORK?

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.

HAVER & TYLER

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 | *see page 149*

Maintenance Service | *see page 148*

Rebuild Programs | *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.

HAVER & TYLER

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

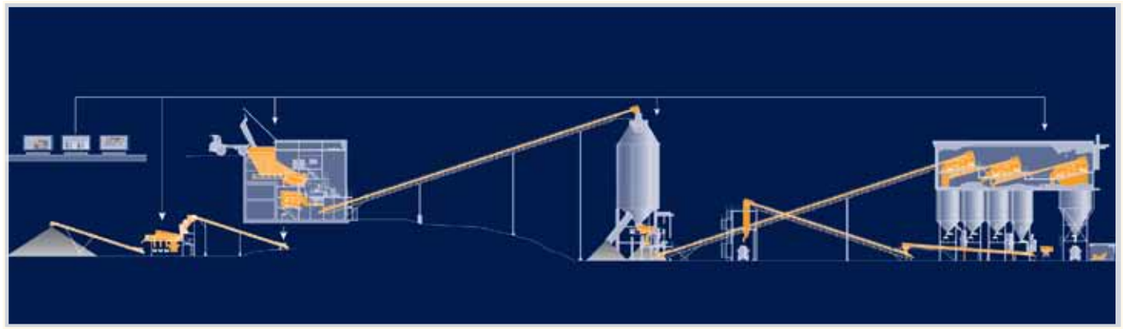
- Certified W.S. Tyler technicians rebuild your vibrating screen in a timely and economical manner to meet OEM factory specifications.
- This service is backed by a one year warranty, providing assurance.

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.

HAVER & TYLER

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

HAVER & TYLER

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%

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%

HAVER & TYLER

Resources • Screening Tables

HAVER & TYLER

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

HAVER & TYLER

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%

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		
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%

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
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%

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		
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%
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%

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		
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%

HAVER & TYLER

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%

HAVER & TYLER

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%

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		
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%

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%

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		
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%

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%

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		
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%
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

HAVER & TYLER

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

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	–	–	–	–	–

HAVER & TYLER

Resources • Screening Tables

HAVER & TYLER

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%

Resources • Screening Tables

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.

Resources • Wire Alloys

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

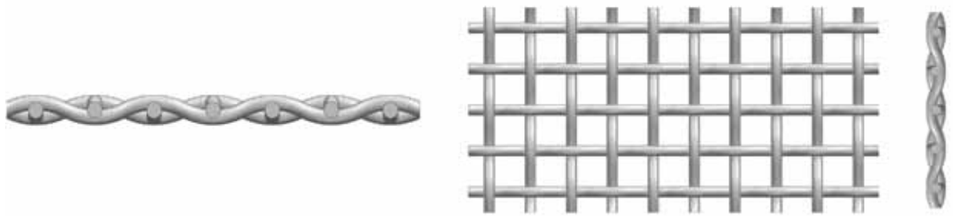
Materials			Advantages	Disadvantages	Applications	
	High Carbon Wire	Ty-Pro Ty-Loy 77 Ty-Loy 88 Ty-Ger	• High tensile strength • Resistant to abrasion and vibration • Resistant to impact (not Ty-Loy 88)	• Corrosion • Porous surface (blinding)	• Aggregate industry • Production of abrasives • Plansifters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

HAVER & TYLER

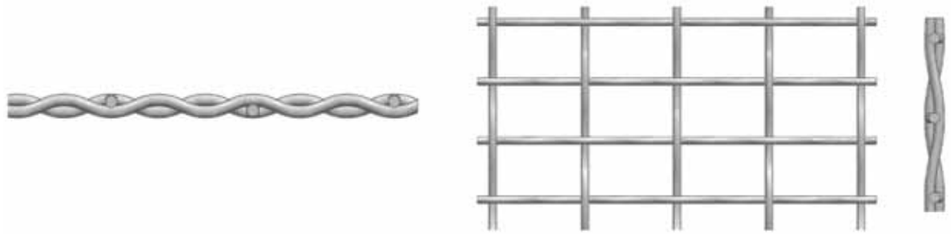
Resources • Wire Alloys

Types of Crimps for Wire Cloth

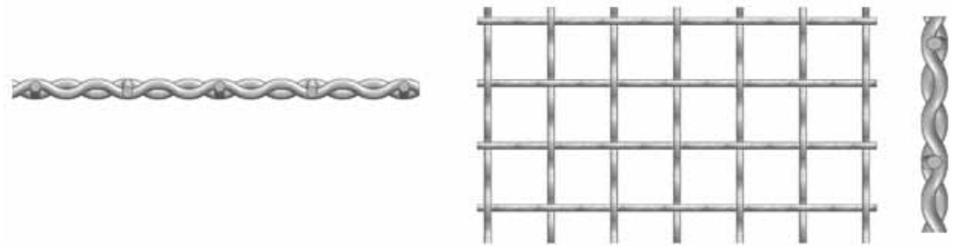
DOUBLE CRIMP



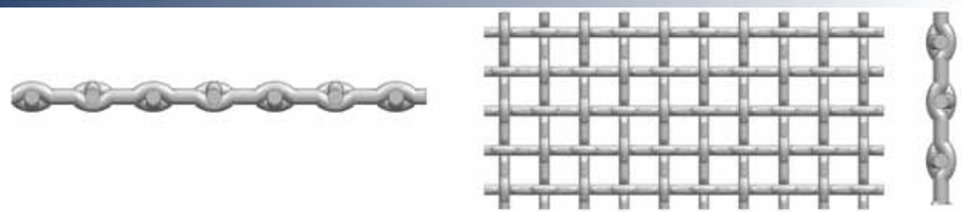
SINGLE INTERMEDIATE CRIMP



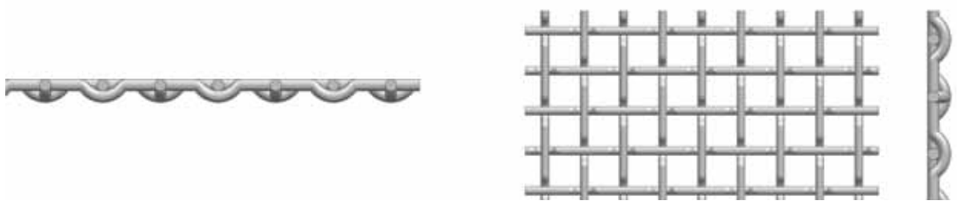
INTERMEDIATE CRIMP



PRESS LOCK

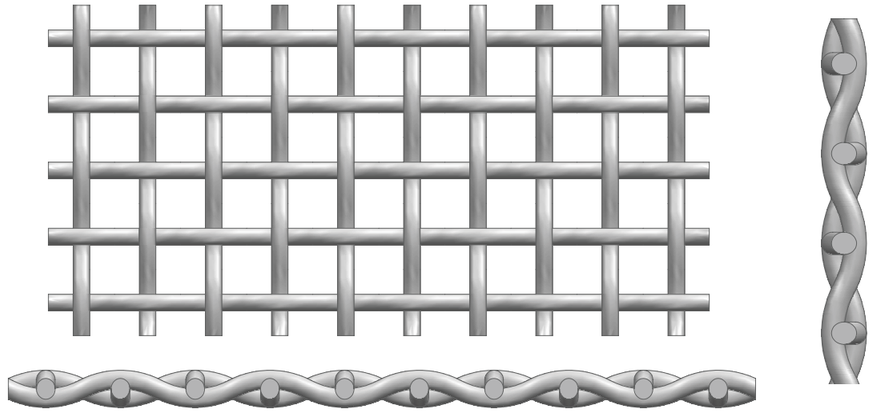


FLAT TOP

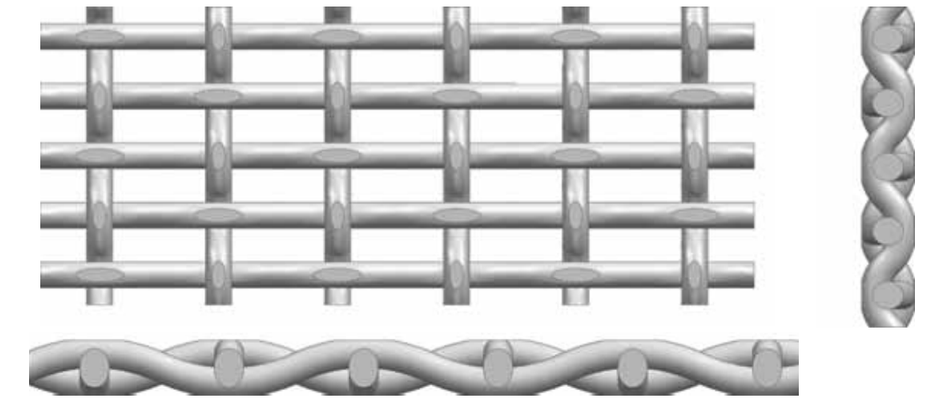


Types of Openings for Wire Cloth

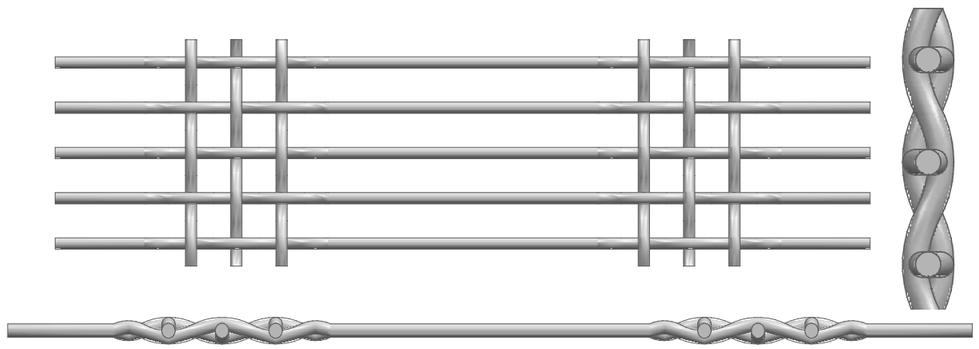
SQUARE OPENING



TON-CAP



TY-ROD



Resources • Crimps & Openings

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?

HAVER & TYLER

CALCULATING OPEN AREA

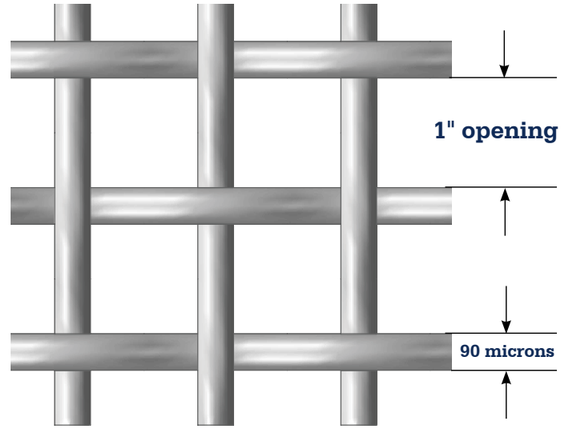
Open Area: The proportion of open space in a total screen area; expressed as a percentage.

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 0º for XL, L, UML	Application dependent

HAVER & TYLER

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.

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)	≥ 300μm	-3°	Min 40% particles > 300μm

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) Min. size to be screened 0.1mm	34° for H Variable for Fine Line 0° for XL, L, UML	Application dependent

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 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.

HAVER & TYLER

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.

HAVER & TYLER

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 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 0º for XL, L, UML	> 95%

Resources • Screening Basics

HAVER & TYLER

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	15º	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.	20º for F, T, S 0º 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)

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.

HAVER & TYLER

Resources • Glossary

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.

HAVER & TYLER

Resources • Glossary

HAVER & TYLER

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.

Resources • Glossary

HAVER & TYLER

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)

Resources • Glossary

HAVER & TYLER

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.

Resources • Glossary

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.

Resources • Glossary

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.

HAVER & TYLER

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

HAVER & TYLER

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
- ☐ Metso-Owned Brands
- ☐ Terex Simplicity
- ☐ JCI
- ☐ Elrus
- ☐ TYCAN
- ☐ Deister
- ☐ Terex Cedar Rapids
- ☐ Pioneer
- ☐ El Jay

Other: _____

3. Industry

- ☐ Mining
- ☐ Industrial Minerals
- ☐ Aggregate
- ☐ Other

Resources • Tyler Cash

HAVER & TYLER

Index

Resources • Index

HAVER & TYLER

Index

Resources • 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.

HAVER & TYLER

AFRICA	> HAVER SOUTHERN AFRICA, Johannesburg
AUSTRALIA	> HAVER AUSTRALIA, Perth - Opening 2013
BRAZIL	> HAVER & BOECKER Latinoamericana, Monte Mor
CANADA	> W.S. TYLER, St. Catharines, ON
CHILE	> HAVER & BOECKER ANDINA, Santiago
GERMANY	> HAVER ENGINEERING, Meißen
	> HAVER NIAGARA, Münster
MEXICO	> HAVER & BOECKER MEXICANA, Mexico City

HAVER GROUP

BELARUS	> HAVER BY, Lida
BELGIUM	> HAVER BELGIUM, Herve-Battice
BRAZIL	> VER BOR PROJETOS E SERVICOS, São Paulo
CHINA	> HAVER FILLING TECHNOLOGY, Beijing
	> HAVER IBAU SHENZHEN, Shenzhen
FRANCE	> HAVER FRANCE, Achères
GERMANY	> HAVER & BOECKER, Oelde
	> BEHN + BATES, Münster
	> IBAU HAMBURG, Hamburg
	> FEIGE FILLING, Bad Oldesloe
	> SOMMER, Düsseldorf
	> RAGUHNER Metallgewebemanufaktur, Raguhn
GREAT BRITAIN	> HAVER CONTINENTAL, Farnborough
	> H&B WIRE FABRICATORS, Warrington
INDIA	> HAVER IBAU INDIA, Vadodara
	> HAVER STANDARD INDIA, Mumbai
POLAND	> HAVER TRADING, Kobiercyze
RUSSIA	> HAVER & BOECKER, Moscow
SPAIN	> HAVER & BOECKER IBERICA, Barcelona
U.A.E.	> HAVER MIDDLE EAST, Rash-Al Khaimah
U.S.A.	> HAVER FILLING SYSTEMS, Conyers, GA
	> W.S. TYLER, Mentor, OH

HAVER & TYLER

AFRICA

HAVER SOUTHERN AFRICA
Unit 4
Sunpark
178 Smit Street
Fairland
Johannesburg 2195
SOUTH AFRICA

AUSTRALIA

HAVER AUSTRALIA
Opening 2013

BRAZIL

HAVER & BOECKER LATINOAMERICANA
Industria e Comercio de Maquinas Ltda.
Rod. Campinas a Monte Mor km 20
13190 MONTE MOR S.P.
BRAZIL

CANADA

W.S. TYLER CANADA
225 Ontario Street
P.O. 3006
ST. Catharines, Ontario L2R 7B6
CANADA

CHILE

HAVER ANDINA
Marchant Pereira, 150 Oficina 401 - 402 Providencia
C.P. 7500523; Santiago
CHILE

GERMANY

HAVER ENGINEERING GmbH
Poststrasse 1
01662 Meissen
GERMANY

HAVER NIAGARA
Robert-Bosch-Strasse 6
48153 Muenster
GERMANY

MEXICO

HAVER & BOECKER MEXICANA
Av. Paseo de la Reforma no. 195 piso 7, Oficina 13-B.
CP. 06500 Mexico, D.F.
MEXICO

HAVER GROUP

BELGIUM

HAVER BELGIUM S.A.
Rue des Gaillettes 9
B-4651 Battice
BELGIUM

CHINA

HAVER IBAU SHENZHEN LIMITED
1st Floor, L BuildingJingtie Technological & Industrial
Zone No. 49 Changjiangpu Road Heao Village
Henggang Town Longgang District SHENZHEN 518115
CHINA

HAVER FILLING TECHNOLOGY (BEIJING)
Huateng Tower, Unit 1510,
Jia 302, 3rd Area of Jinsong,
Chaoyang District
Beijing 100021
CHINA

FRANCE

HAVER & BOECKER Toiles Métalliques
7, Rue Sainte Catherine
F-24100 Bergerae
FRANCE

GERMANY

HAVER & BOECKER
WIRE WEAVING AND MACHINERY DIVISION
Ennigerloher Straße 64
D-59302 OELDE
GERMANY

BEHN + BATES
Machine Engineering GmbH & Co. KG
Robert-Bosch-Strasse 6
48153 Muenster
GERMANY

IBAU HAMBURG
Roedingsmarkt 35
20459 Hamburg
GERMANY

GERMANY

Feige GmbH, Filling Systems
Roegen 6a
Gewerbegebiet West
23831 Bad Oldesloe
GERMANY

RAGUHNER Metallgewebemanufaktur
Gewerbegebiet Köthener Straße
D-06776 RAGUHN
GERMANY

GREAT BRITAIN

HAVER CONTINENTAL Limited
24 B Invincible Road
Famborough
GU14 7QU
Hampshire
UNITED KINGDOM

H&B Wire Fabrications Ltd.
30-32 Tatton Court
Kingsland Grange, Woolston
GB-WARRINGTON, Cheshire WA1
4RR
UNITED KINGDOM

INDIA

HAVER IBAU INDIA Pvt. Ltd.
Vadodara - Halol Road
Khandiwada, Post Asoj
District Vadodara – 391 510
INDIA

HAVER STANDARD INDIA Pvt. Ltd.
Standard House,
83, Maharshi Karve Marg,
Mumbai - 400 002
INDIA

POLAND

HAVER TRADING Sp. z o.o.
Ul. Kolejowa 3
Bielany Wroclawskie
55-040 Kobierzyce
POLAND

RUSSIA

HAVER & BOECKER Russia
Gostinichny Proezd, 8,
bld.1, office 46
127106
Moscow
RUSSIA

SPAIN

HAVER & BOECKER IBERICA
Gran Vía Corts Catalanes, 701 - 3º 1a B
08013 Barcelona
SPAIN

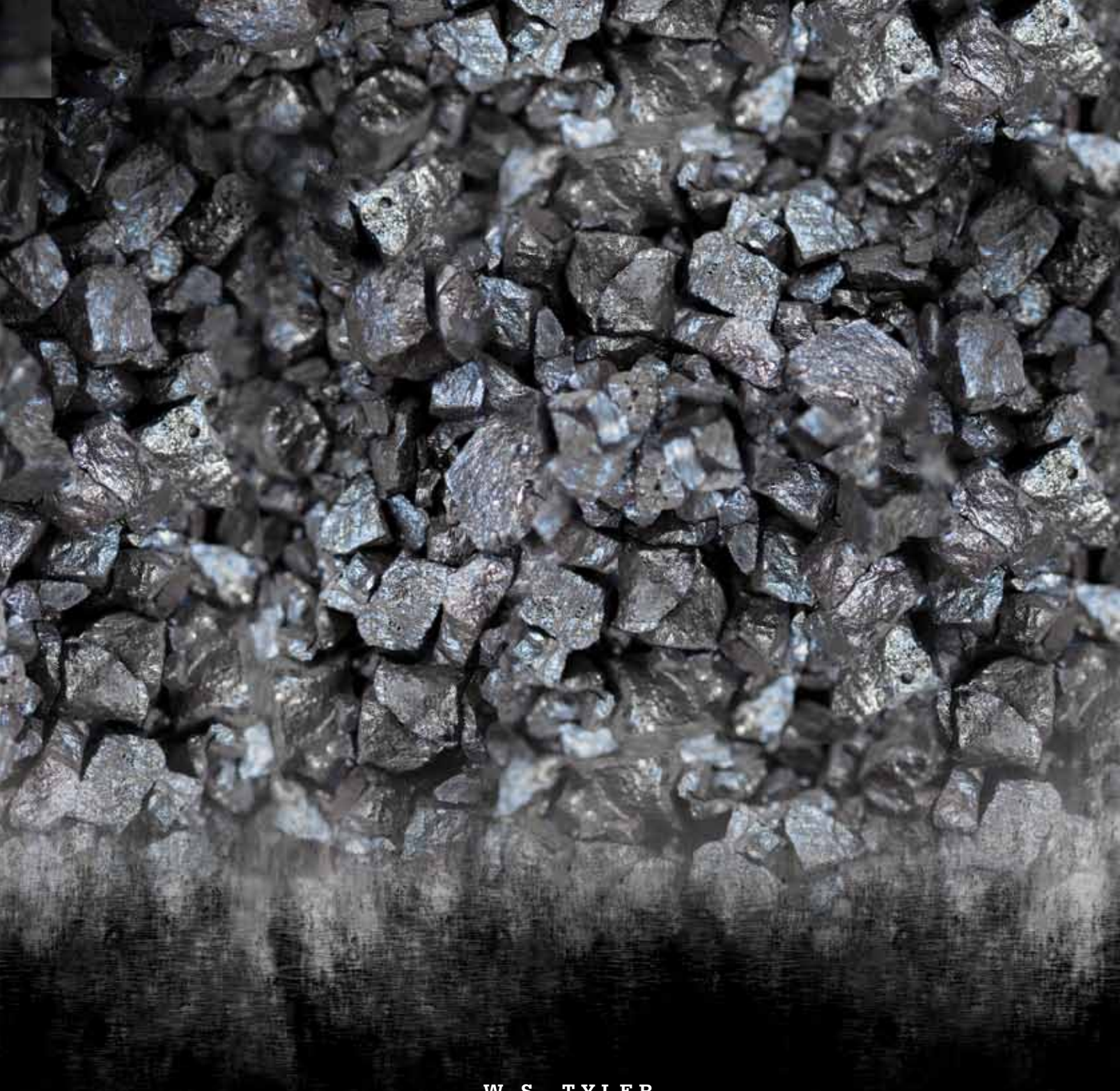
U.A.E

HAVER MIDDLE EAST FZE
Amenity tower 2 - Office 8F - 03
Al Jazeera Al Hamra
P.O.Box 34098
Ras Al Khaimah
U.A.E.

U.S.A

HAVER Filling Systems, Inc.
P.O. Box 80937
460 Gees Mill Business Court
CONYERS, GA 30013
U.S.A.

W.S.TYLER - Wire Cloth Products
8570 Tyler Boulevard
Mentor, OH 44060
U.S.A.



W.S. TYLER

225 Ontario Street
St. Catharines, ON, L2R 7B6

Office: 1-905-688-2644
Fax: 1-905-688-4733

1-855-WSTYLER
sales@wstyler.ca

6716-59 Street
Edmonton, AB, T6B 3N6

Office: 1-780-447-1528
Fax: 1-780-447-1925

1-800-661-0362
edmonton@wstyler.ca

WWW.WSTYLER.CA