

MULTOTEC
CANADA

WEDGE WIRE SCREENS

WEDGE WIRE CYLINDERS

INTERSTAGE SCREENING & KEMIX PARTS

General Features

Custom-made for your process with respect to aperture size, wire profile as well as diameter, height and flange specifications.

Key Features

- ◇ No air required to clean screening surface during operation
- ◇ Manufactured with abrasion and corrosion-resistant wedge wire
- ◇ Custom made to specific requirements
- ◇ Proud KEMIX-certified partner

Diameter up to 2100 mm and length of up to 4000 mm

13 different wedge wire profiles available

Custom made to specific requirements - range of cylinder sizes, aperture sizes, wedge wire profiles and flange configurations

304 or 316 stainless steel for applications subject to corrosion

430 stainless steel for areas requiring abrasion resistance



Wedge wire cylinders

Wedge wire cylinders from Multotec are manufactured for all types of mechanically and air-swept cylindrical interstage screens. Standard diameter cylinders are seamless and flanged together in 2 or 3 sections in case preferential wear occurs at different levels in the tank. Cylinders are custom-made for specific applications taking the aperture size and wedge wire profile as well as diameter, height and flange details into account.



Our cylinders can be fabricated using different profiles specifically designed for the carbon recovery process. In the gold mining industry, the 28 cp profile is mainly used and can provide even longer life. 304 or 316 stainless steel is used for applications subject to corrosion, while 430 stainless steel is used in areas that require abrasion resistance properties only. Multotec is also an official screen distributor for Kemix's equipment.

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Apertures and Materials

The aperture size of the screen is dictated by the carbon or resin size range. All standard aperture sizes are available and the cylindrical welding machine can manufacture any intermediate aperture size.

Advanced measurement and control instrumentation ensures close tolerances on apertures.

Cylinders can be fabricated using different profiles. The specially developed CIP profile is designed for the gold mining industry. The CIP profile has a high release angle to reduce blinding and an improved open area to increase throughput. The 28 sb profile, also used in the gold mining industry, can provide even longer life.

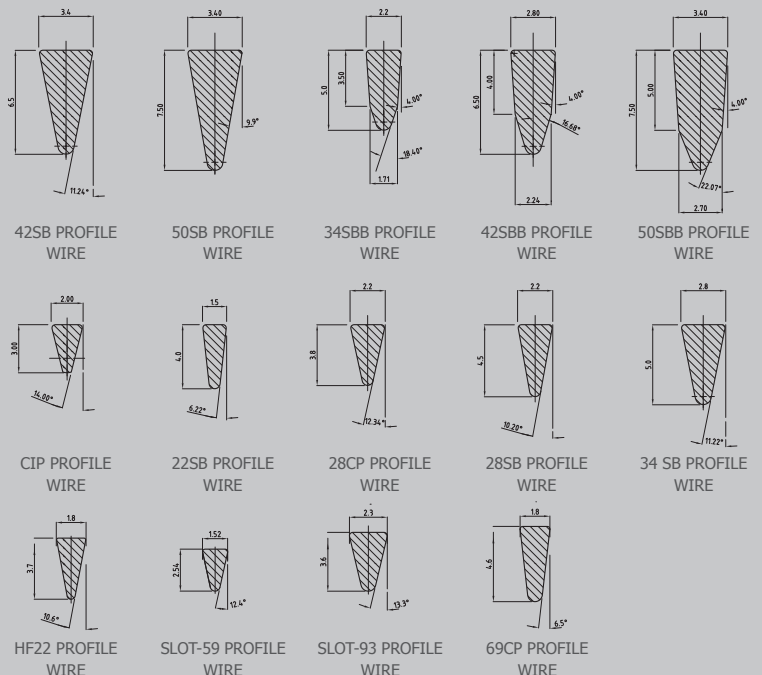
304 Stainless steel is used for applications subject to corrosion, while 430 stainless steel is used in areas that require abrasion resistance properties only.

Open Area Calculation

To calculate the open area of a screen, use this simplified formula:

$$\text{Open area (\%)} = \frac{\text{Slot size} * 100}{\text{Slot size} + \text{Wire width}}$$

Wedge Wire Profile

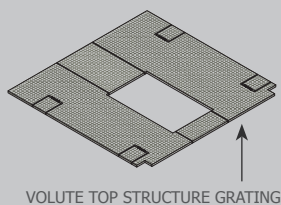
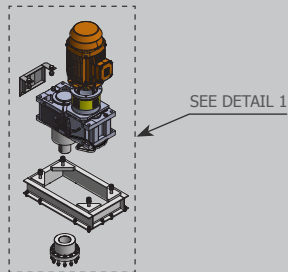


The open area percentage is an estimation, please ask your sales representative for the exact calculations.

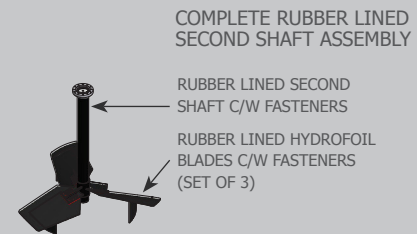
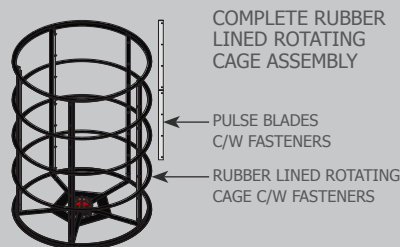
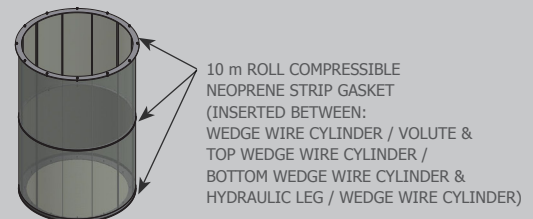
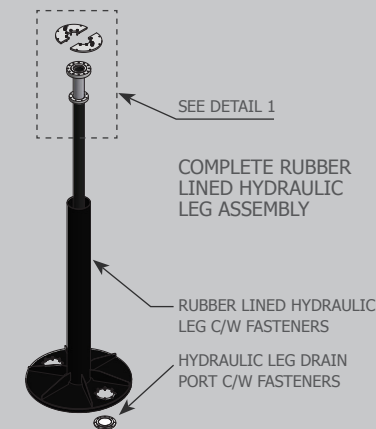
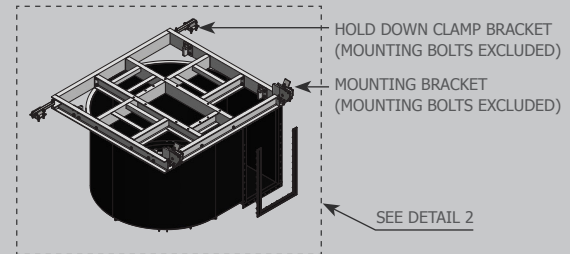
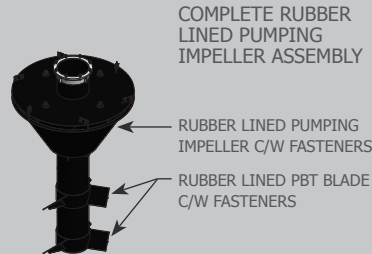


Pumpcell Mechanism

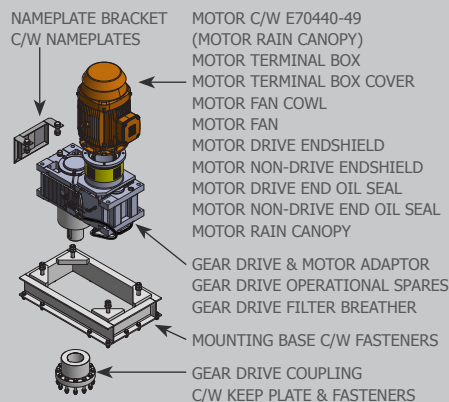
DRY-END FASTENER REGION



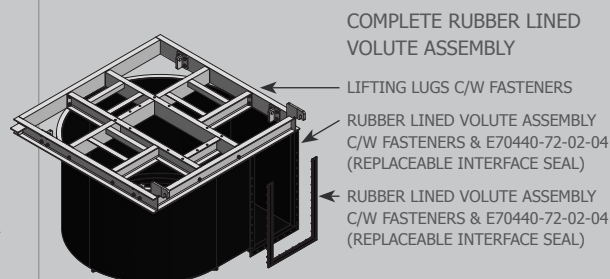
WET-END FASTENER REGION



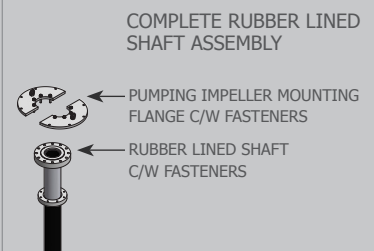
Detail 1 MOUNTING BASE & COUPLING DETAILS

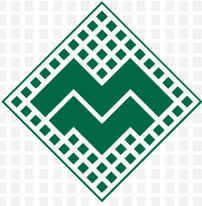


Detail 2 VOLUTE ASSEMBLY DETAIL



Detail 3 FIRST SHAFT DETAIL





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