



Horizontal Screens



Standard Sizes – All sizes available in multi-deck

1.25m Wide	1.60m Wide	1.80m Wide	2.20m Wide	2.50m Wide	2.70m Wide
2.40m Long	3.00m Long	3.60m Long	4.20m Long	4.80m Long	6.00m Long
3.00m Long	3.60m Long	4.20m Long	4.80m Long	6.00m Long	7.20m Long
3.60m Long	4.20m Long	4.80m Long	6.00m Long	7.20m Long	7.80m Long
4.20m Long	4.80m Long	6.00m Long	7.20m Long	7.80m Long	8.40m Long
4.80m Long	6.00m Long	7.20m Long	7.80m Long	8.40m Long	9.60m Long

Note: Hewitt Robins International Ltd design screens specifically for your application, so if the size of screen you require is not listed, please contact our sales office for more information.

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MINING



AGGREGATES



FOUNDRY



IRON & STEEL

Features

- ▶ The versatile Hewitt Robins Horizontal Screen design lends itself to a broad range of configurations. Suitable for either horizontal or low angle installation, the screens can assist in reducing conveyor heights, provide space for taller feed hoppers and can be installed where existing headroom is at a premium.
- ▶ Hewitt Robins Horizontal Screens are driven by the Eliptex vibrator unit which imparts a three-way motion with horizontal, vertical and elliptical components to the screen providing high capacity, fast conveying and sharper sizing.
- ▶ The vibrator unit can be mounted above or below the machine to achieve a linear motion and to maximize the distance between the decks for easier maintenance.
- ▶ The Eliptex Vibrator unit is bolted onto the screen frame which ensures the complete vibrator unit to be un-bolted resulting in minimum downtime and easier maintenance.

Designed to suit numerous applications –

The majority of Hewitt Robins Horizontal Screens supplied are designed to suit the application. However our standard size of screens ranges from 1000mm to 3000mm in width and from 2700mm to 9600mm in length.

These screens are available in single, double, triple or quad deck configurations and can be fitted with various kinds of screening media such as wire mesh, polyurethane, rubber punched plate and even grizzly bars.

Maintenance :- The Eliptex vibrator has a worldwide reputation for unmatched reliability and durability (long life) yet requires only minimal servicing. Their simple design and use of the highest quality materials ensures that the horizontal screens keep working productively through years of continuous use with minimum downtime. The Eliptex Vibrator Unit can come with either 2, 4 or even 8 eccentric shafts depending on the application.

Hewitt Robins Horizontal Screens are completely bolted together using high strength friction grip bolts. This allows

easy replacement of items/components without having to burn out welded parts and guarantees the reliability of the connections.

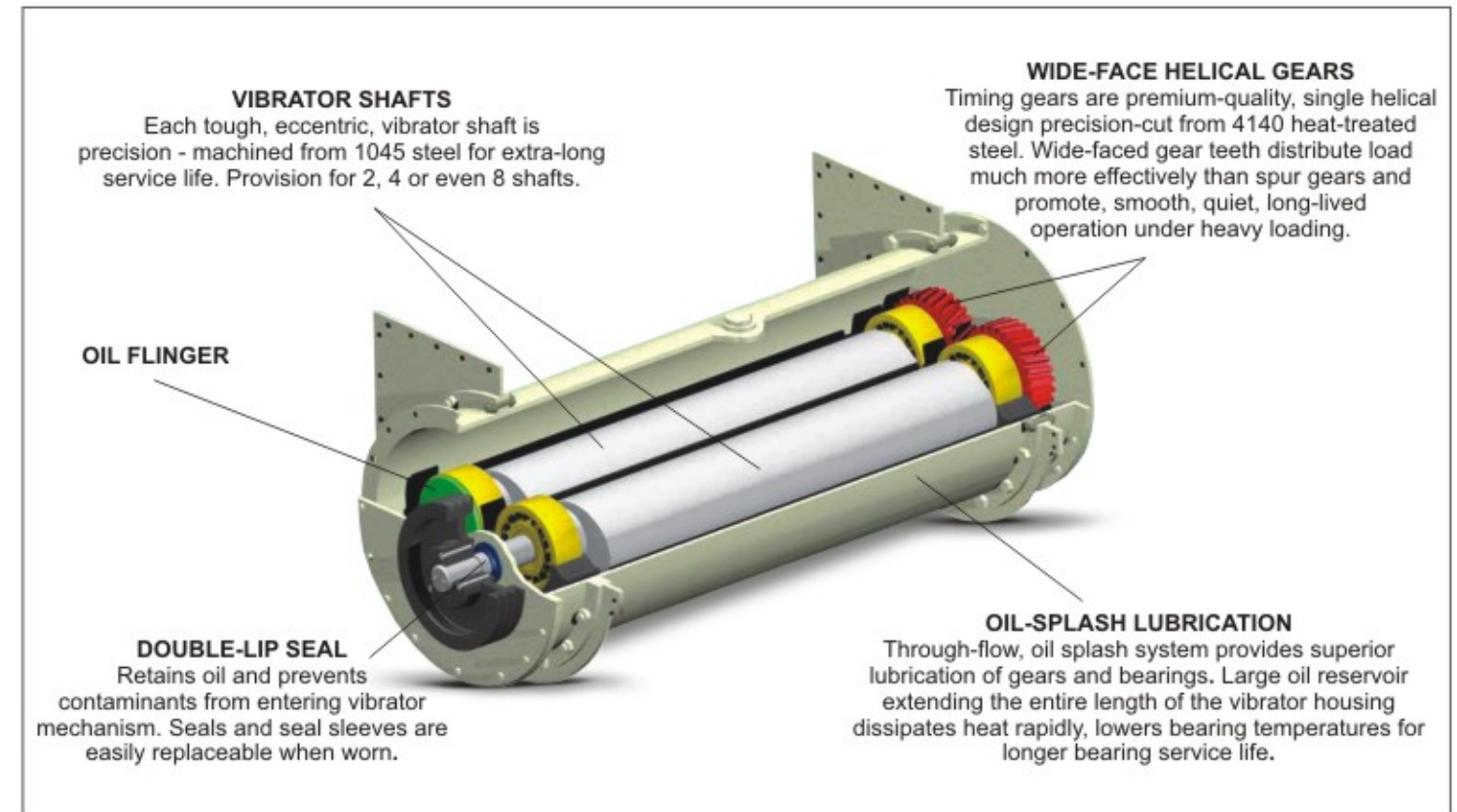
Wear Protection :- Rubber lagging on cross members is optional depending on the application. Feed-boxes and discharge lips are lined as standard but further wear protection on side-plates and tension plates can be provided for handling highly abrasive materials.

Easy Access :- Access between decks is becoming critical on multi deck screens and can be classed as a confined space. Hewitt Robins try to maximise the distance between the decks and with the vibrator unit mounted above or below the screen to make maintenance work on screen decks easier. Rubber curtains in the back-plate are provided to allow access to the rear of the screen and this can also be used as an inspection hatch.

Hewitt Robins Horizontal Screens are driven by the Eliptex vibrator unit which imparts a three-way motion to the screen.

- ▶ The Hewitt Robins Eliptex vibrator unit has a worldwide reputation for unmatched reliability, long life and minimal servicing.
- ▶ The linear motion achieved from the 2, 4 or even 8 eccentric shafts provides higher capacity screening and gives a cleaner product.
- ▶ The simple construction, rugged design and high quality components assures extra long wear life.

The linear motion quickly stratifies and turns material so that all sides of a particle are exposed to the deck openings. The result is a thorough screening, washing, dewatering and more accurate sizing.



EXCLUSIVE ELLIPTICAL MOTION					
ROTATION	45 - 45	135 - 315	225 - 225	315 - 135	<p>RESULTANT ELLIPTICAL MOTION</p>
POSITION OF ECCENTRIC SHAFTS					
RESULTANT FORCES	THROW FORCE	COUPLE EFFECT	DOWNWARD FORCE	COUPLE EFFECT	
					<p>SHAFTS MOUNTED IN HORIZONTAL PLANE</p>