

HI-RE SCREEN BALLS

FOR SHAKER/CLASSIFIER SCREENS



HOLZ
RUBBER COMPANY, INC.
 1-800-285-1600 • Quality Since 1935

CONVEYOR ACCESSORIES FROM HOLZ RUBBER

• PULLEY LAGGING • IDLER ROLLS • RUBBER PULLEYS • ROLL COVERING • BELTING ATTACHMENTS • SHAKER SCREEN PROTECTOR • SCREEN BALLS

HOLZ

HI-RE Screen Balls

**increase screen
 efficiency three ways:**

- **Reduce Blinding**

caused by fines buildup, which can coat or possibly close screen openings.

- **Reduce Plugging/Wedging**

caused by near-size particles lodging in screen openings.

- **Increase Screen Action**

by helping to break up lumps and improve particle stratification.

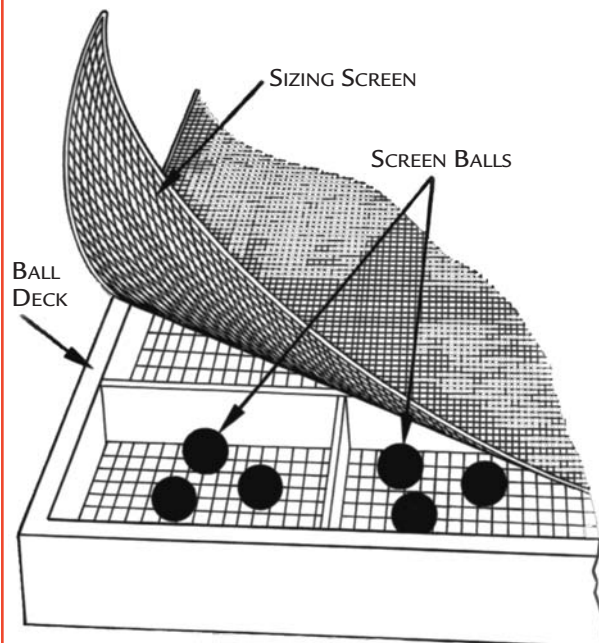
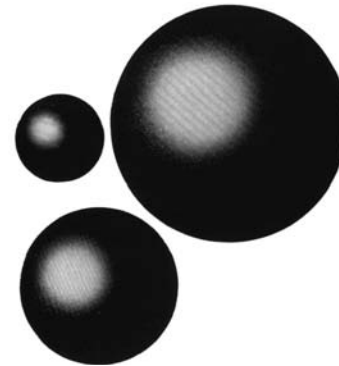


Figure 1



Reduced downtime and increased overall screen efficiency result when a ball deck is used in combination with Holz specially compounded HI-RE screen balls. Blinding and plugging, which create continual problems when screening fine, wet or sticky materials or when using slow-speed screens, can be drastically reduced to improve screen production.

Holz manufacturing processes and exclusive elastomer compounding provide superior ball service life in screen applications. Special compounds are also available to extend product life under unusual conditions.

A ball deck consists of a coarse screen or perforated plate suspended a few inches below the screen deck. The space between the decks is divided into compartments, each containing a number of Holz HI-RE screen balls (Figure 1). The gyratory action of the screen deck causes the balls to bounce against the underside of the screen, knocking wedged particles free, and creating a secondary vibration which loosens and releases fines and/or wet and sticky materials from the screen.

Although widely used in quarry and mining applications, screen balls have found acceptance in other processing operations. For example, screen balls on the top surface of vibrating screens have been used successfully to keep small electrical parts from interconnecting and blocking the screen openings. Agricultural processing also benefits from the use of Holz FDA acceptable screen balls in sizing various nuts and grains such as almonds and rice.

Standard Holz HI-RE screen balls are specially compounded from natural rubber to provide these valuable screening benefits:

- High abrasion resistance for long service life.
- Excellent rebound in any weather.
- Moisture resistance for use in screening wet or sticky materials.

Several other compounds are readily available to provide maximum service in special screening applications.

- Neoprene: For moderate heat or in the presence of certain oils.
- SBR: Used when alkalis are present.
- Buna-N: For use in the presence of aromatics or oils where neoprene is not recommended.
- Butyl: Used for high temperature, some oils and strong chemicals.

Note that natural rubber will be provided unless otherwise specified. Holz can also provide a broad range of made-to-order compounds, sizes, durometers and colors, on request, to meet most requirements. Additional information on special screen ball constructions is available from an authorized Holz representative.

PRODUCT INFORMATION

Approximate Weight Each (lbs.)

Compound ①	Durometer	Approximate Resiliency	FDA Acceptable Compound ①	Standard Color ①	SCREEN BALLS		
					1 3/8" dia.	1 29/32" dia.	2 1/4" dia.
Natural	40	85%	Yes	Tan	.05	.13	.22
Neoprene	40	70%	Yes	Black	.06	.17	.27
SBR	40	60%	Yes	Black	.05	.15	.24
Buna-N	40	30-35%	No	Tan	.07	.17	.28
Butyl	40	20-25%	No	Tan	.06	.15	.25

Notes:

- ① Readily available. Many other compounds with different properties may be produced on special order.
- ② ASTM definition - ratio of energy released on rebound to the energy required to produce deformation.

Specify these other Holz conveyor and elevator accessories:

- Stubby-Nob Pulley Lagging
- Self-Lube Bearings
- Cleats (Bolt On)
- Rubber Lagged Pulleys
- Rubber Idler Rollers
- Cleats (Extrusions)
- Slide-Lag®
- Scrubber Matting
- Peg Flites



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