

Next Level of Starch-Fiber Separation

With the next generation of LARSSONTM High Aspect Ratio Starch Screens (HARTM), LARSSON and Veco B.V. have jointly developed a unique, high-quality screen concept for the global starch industry. A new window of opportunity for starch-fiber separation for coarse and fine granules in the low μm -range. Due to the application of the most modern etching technology, slot sizes are no longer limiting the thickness of the screens. Thick and robust plates with small slotted holes go up to a high aspect ratio* of 1:3, unprecedented and extraordinary compared to any conventional technology. Due to the accurate, sharp, tapered shaped slots an extremely effective release of starch can be secured at all times, enhancing the separation efficiency. The high-quality micro-welding fixation of the screen to the support basket, preventing fluttering and frequent tear & wear, makes this basket best-in-class in the industry.

Key Features & Specifications

- High Aspect Ratio
Thickness: 100 – 250 μm
Hole size down to 45 μm
High open area up to 25%
- Food grade Stainless Steel 316L
- Solid structure & ultra-smooth surface
- Highly accurate, taper-shaped slotted holes
- Solid fixation by micro-welding (~30,000 spots per basket)



Benefits

- Excellent starch-fiber separation
- Easy cleanability with high(er) pressure
- Easy release effect: no clogging, no screen blocking
- Robust, highly tear & wear resistant
- Longer lifetime, longer up-time
- Reduced maintenance, power & water consumption
- Lowest Total Cost of Ownership
- Design flexibility, high precision sieving for a wide variety of materials

* Slot width (W) / Plate thickness (T)

LARSSON™ Starch Screens

HAR™125 | HAR™60 | HAR™45

Technical Information

Screens

Grade: AISI 316L

Technical: ASTM A666, ASTM A420, DIN EN 10088-22

	HAR™125	HAR™60	HAR™45
Slot size (W x L)**	125µm x 1100µm	60µm x 150µm	45µm x 180µm
Thickness (T)	250µm ± 10µm	150µm ± 10µm	100µm ± 10µm
Open area	25% ± 3%	15% ± 3%	13% ± 3%

** Dimensions on the “working side” of the sieve. Due to tapering of the slotted holes, the dimensions on the back side of the sieve are larger.

Basket

Type: Standard LARSSON™ GL 1050, GL 850, GL 600
Third party labels

Grade: AISI 316L

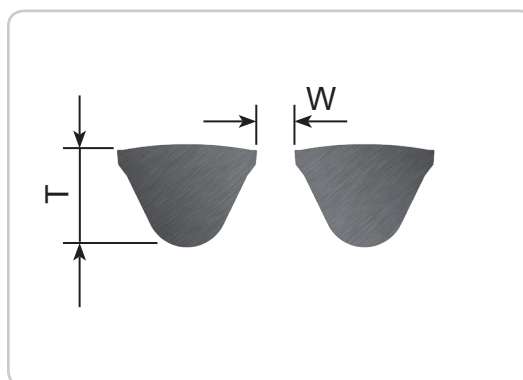
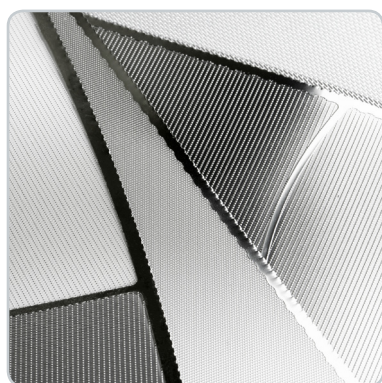
Thickness: 3 mm

Hole profile: Hexagon 10mm

Fixation: Micro-weld

After-sales maintenance & repair service

The robustness of the HAR™ will lead to a substantially lower repair and maintenance frequency, offering the opportunity and convenience to shift from reactive maintenance to scheduled maintenance. For this LARSSON offers several maintenance & repair schemes incl. a deposit system & emergency delivery service. For more info, please contact your account manager or our after sales department at LARSSON.



G. Larsson Starch Technology AB, P.O. Box 89, SE-295 21 Bromölla, Sweden.

Visiting and delivery address: Kråkeslättvägen 8, SE 295 39 Bromölla, Sweden.

Phone: +46 456 48660, Telefax +46 456 22690,

E-mail: larsson@larssonsweden.com, Website: www.larssonsweden.com