

Product Line Extension

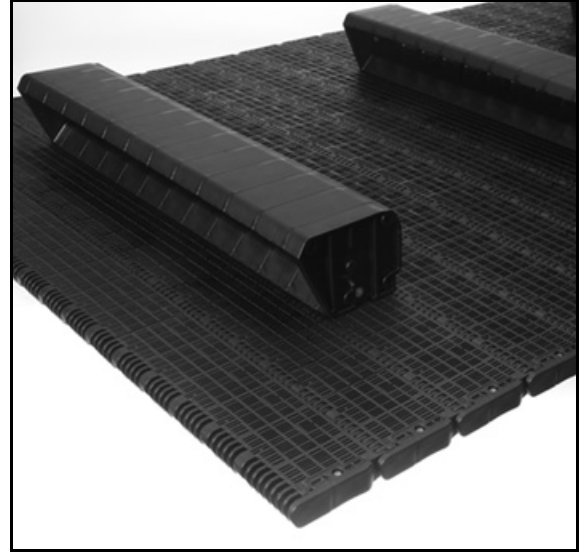
Series 6000 Mesh Top 1.75 mm Engineered Polymer Screen

The Hydrolox Series 6000 Mesh Top 1.75 mm Engineered Polymer Screen was designed specifically to help customers meet stringent NOAA criteria and EPA compliance measures such as Section 316(b) of the Clean Water Act. A maximum slot width of 1.75 mm provides advanced fish protection from both impingement and entrainment in large water intake systems.

The combination of fine mesh screening and a robust base module gives this solution exceptional strength and resistance to abrasion. Installation is simple as the screen fits into the slots made for traditional steel vertical traveling screens.

- Screen life in abrasive applications is at least five times longer than that of steel vertical traveling screens.
- Capable of starting with 5.0 ft (1.5 m) of differential pressure.
- Slot-opening design and smooth screen surface facilitate efficient cleaning.
- Reduced labor costs and improved worker safety due to low maintenance requirements and a lighter screen weight.
- Available with 3-piece Ristroph-style fish bucket or 3-piece debris flight.

Contact us today for a sample of this new product or for more information.



Engineered Polymer Screen

	in.	mm
Pitch	3.5	88.9
Minimum Width	10	254
Width Increments	2.0	50.8
Min. Opening Size (approx)	0.07 x 0.30	1.75 x 7.62
Max. Opening Size (approx)	0.07 x 0.88	1.75 x 22.35
Open Area	30%	
Hinge Style	Closed	
Drive Method	Hinge-Driven	



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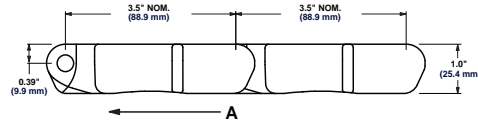
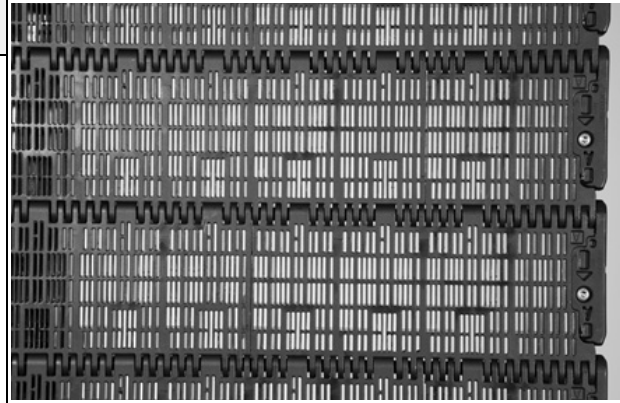


Product Line Extension

Engineered Polymer Screen

Product Notes

- Always check with customer service for precise screen width measurement and stock status before designing a screen or ordering a belt.
- Contact Hydrolox technical support for strength requirements, frame guidelines, etc.
- Flush edges with recessed rods prevent edge damage and rod migration.
- Made of corrosion-resistant polymer.
- A T20 Torx driver is needed to remove the screw that holds the endcap to the belt edge.
- Minimum sprocket spacing distance is 2 in. (50.8 mm) and is recommended for an adjusted belt pull greater than 1500 lb/ft (2232 kg/m). Maximum sprocket spacing distance is 6 in. (152.4 mm).



A - Run Direction

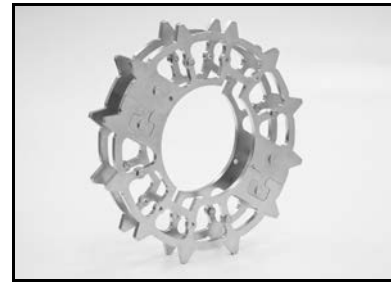
Belt Data

Belt Material	Standard Rod Material Ø 0.31 in. (7.9 mm)	BS Belt Strength ^a		Temperature Range (continuous)		W Belt Weight	
		lb/ft	kg/m	°F	°C	lb/ft ²	kg/m ²
Engineered Polymer	Engineered Polymer	2700	4018	-50 to 240	-46 to 116	2.6	12.7

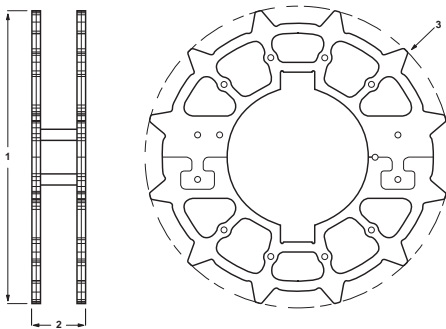
^a Belt strength of 4000 lbs/ft (5953 kg/m) for spike loads.

Metal Sprocket Assembly Data

No. of Teeth (Chordal Action)	Nom. Pitch Dia. in.	Nom. Pitch Dia. mm	Nom. Outer Dia. in.	Nom. Outer Dia. mm	Nom. Hub Width in.	Nom. Hub Width mm	Available Bore Sizes			
							U.S. Sizes		Metric Sizes	
							Round in.	Square in.	Round mm	Square mm
12 (3.412%)	13.5	342.9	13.6	345.4	2.9	73.7	5, 6.25	3.5	127, 158.8	88.9



Sprocket Description		A		B		C		E		
Pitch Diameter		No. Teeth	Range (Bottom to Top)		in.	mm	in.	mm	in.	mm
in.	mm		in.	mm						
13.5	343	12	5.9	150	4.0	102	13.3	338	7.2	183



- 1 - Pitch Diameter
- 2 - Hub Width
- 3 - Outer Diameter

Sprocket Spacing as a Function of Screen Strength Utilized

