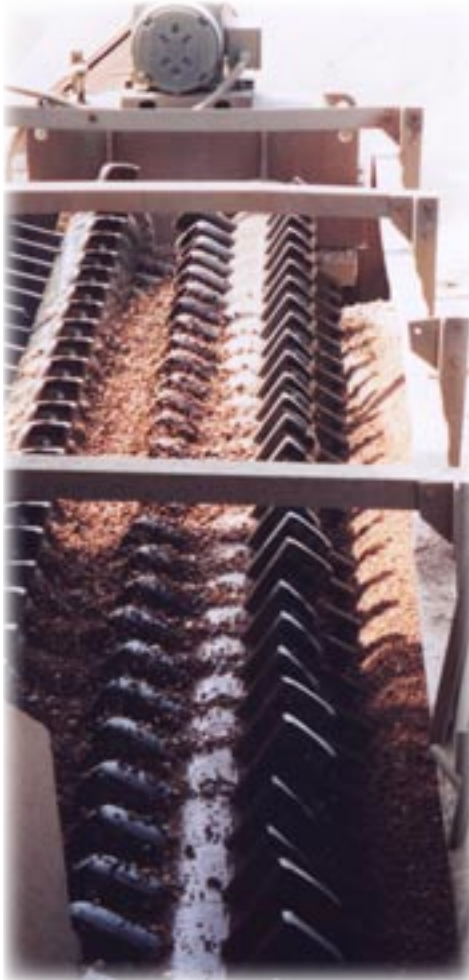


# Eagle Iron Works

THE LEADER IN AGGREGATE PROCESSING EQUIPMENT

## Log Washers



Producers know the consequences and expenses associated with silt and/or clay laden coarse material products. The costs of replacing poured concrete or asphalt type products due to deleterious materials have driven producers to trust only one brand of log washers for their tough washing applications. The Eagle Log Washer is widely known in the aggregate industry as the leader of Log Washers because it was designed for one thing – heavy-duty scrubbing. Due to its oversized massive paddles, long tub, and heavy-duty construction – the Eagle Log Washer is your solution for removing tough insoluble plastic clays.

Eagle Log Washers come equipped with replaceable Ni-Hard wear shoes. Each wear shoe is mounted on steel supports which are submerged arc welded to thick, high grade, one piece tubular shafts. The Eagle wear shoe provides long lasting protection to the welded paddle spuds by incorporating a wrap-around design. The massive Eagle Ni-Hard wear shoes are built with a corrugated surface to rotate stone particles for total surface area scrubbing.

Water can be added to the manifold in the rear of the machine to aid in the removal of foreign materials. Soft soluble clays require more water than tough plastic insoluble clays. Depth of the tub overflow is controlled by side overflow gates. Product from the Log Washer should be followed by a rinsing screen to remove film and residual matter from the product.



**Eagle Iron Works**  
129 East Holcomb Ave.  
Des Moines, Iowa 50313  
Ph: (515) 243-1123  
Fx: (515) 243-8214  
[www.eagleironworks.com](http://www.eagleironworks.com)



## Log Washers

### Eagle Log Washer Features



#### Eagle Gear Reducer

- Designed & built at Eagle facilities
- Fabricated steel gear case
- Heavy-duty design with heat-treated helical gears
- 100% of the shaft's thrust load carried by the output shafts
- Compound drive divides load over multiple gears for long service life
- Oil bath lubrication for maintenance-free operation
- Drive guards standard equipment

#### Conveyor Shaft

- Intermeshing shafts provide maximum rock on rock scrubbing
- Feature thick-walled one piece tubular pipe made from high grade steel
- Paddle mounting spuds and flanged ends submerged arc welded



#### Scrubbing Paddles

- Replaceable Ni-Hard scrubbing paddles, 600 Brinell hardness
- Feature corrugated face for additional scrubbing capabilities
- "Wrap around" paddle design protects welded mounting spud
- Massive paddles provide high level of force against soft materials
- Two and one piece paddles available on most models

#### Washer Tub

- Fabricated with thick gauge steel by certified welders
- Rising Current Manifold
- Spherical-roller rear grease bearings
- Flanged overflow gates control the depth of the water in the tub
- Gates feature flanged opening for wastewater chuting
- Flanged clean-out ports for maintenance and winterization purposes



#### Optional Equipment

- Discharge Chute
- Safety Cover
- Pillow Block Rear Bearings

#### Log Washer Capacities

Log Washer Size	Capacity T.P.H.	Max. Mat'l Size	Water Req'd	Elec. Motor H.P.	Shaft R.P.M.	Machine Wt. (lb.)	Mach. Oper. Wt. (lb.)
36" Dia. x 24'	50 to 125	3"	50-500	75 to 100	32	32,500	61,500
36" Dia. x 30'	50 to 125	3"	50-500	100 to 150	32	38,800	87,500
36" Dia. x 35'	50 to 125	3"	50-500	150	32	47,100	103,800
38" Dia. x 30'	60 to 140	2 1/2"	50-500	150	32	40,500	89,100
38" Dia. x 35'	60 to 140	2 1/2"	50-500	150	32	48,500	105,100
44" Dia. x 30'	75 to 175	4"	75-750	150 to 200	26	57,800	139,000
44" Dia. x 35'	75 to 175	4"	75-750	200	26	70,800	165,500
46" Dia. x 30'	75 to 190	3 1/2"	75-750	200	26	59,400	140,500
46" Dia. x 35'	75 to 190	3 1/2"	75-750	200	26	72,300	167,000



#### Eagle Iron Works

129 East Holcomb Ave.  
Des Moines, Iowa 50313

Ph: (515) 243-1123

Fx: (515) 243-8214

[www.eagleironworks.com](http://www.eagleironworks.com)