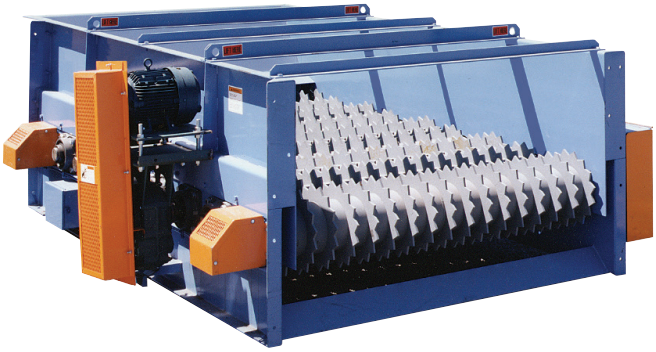
# Jeffrey Rader® Disc Screen (RDS)

## A Heavy-Duty Scalping Screen for Wood Chips, Hog Fuel, and Bark.



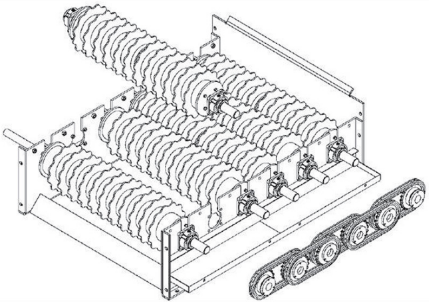
## Features/Advantages

### The Industry's #1 Scalping Screen

The Jeffrey Rader® Disc Screen (RDS) sets the industry standard for removing oversized material from unscreened wood chips, hog fuel, or bark. Having more units in operation than all other suppliers combined, it delivers proven performance—and the right fit for your operation.

### Engineered and Manufactured to Your Specific Requirements

The Jeffrey Rader® Disc Screen is never a standard, off-the-shelf solution. Our engineers tailor the disc profile, interface openings, and screen size to deliver maximum screening efficiency* for every application.



Each RDS unit is precision-built in our facility using premium materials and high-performance components, ensuring uncompromising quality and reliability.

* Materials samples can be sent to our test lab for proper screen optimization.

### Field-Ready Reconfiguration

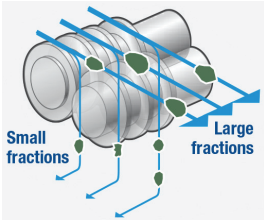
RDS shafts feature a modular—not welded—design, enabling fast, easy field reconfiguration and on-site modifications.

### Designed for Long Service Life and Ease of Maintenance

Wood chip and fuel processing runs around the clock— demanding reliable equipment. The RDS is engineered for continuous, heavy-duty operation with minimal routine maintenance. When scheduled maintenance is needed, all service points and components are designed for fast, easy access—keeping downtime to a minimum.

### Separation That Moves Performance Forward

Efficiency begins with maximizing material separation. Disc screens accomplish this in many locations across the processing cycle.




The disc screens separate material particles by letting smaller fractions fall through controlled openings while rotating, multi-toothed discs move larger material forward. Our Jeffrey Rader® disc screens outperform static screening—shaking loose and separating the smaller particles while advancing overs.

Adjustable disc geometry targets glass, grit, ceramics, aluminum, and fibrous materials. The result: high efficiency, compact design, and low power demand—ideal for resource recovery.

### Maximum Material Liberation

As material moves across the disc screen, rotating discs churn and toss it—freeing trapped fibrous material and maximizing separation efficiency.

## Features/Advantages (Cont.)

**Self-Cleaning.**
**High Volume.**
**Minimal Downtime.**

Jeffrey Rader® disc screens keep openings clear as rotating discs move oversize forward—delivering consistent separation without stopping flow. Rarely is there any need to halt the machine to clear the unit.

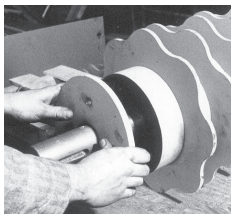
By conveying and containing the large fraction, the discs deliver significantly higher throughput than other screening systems.

WATCH ON YouTube

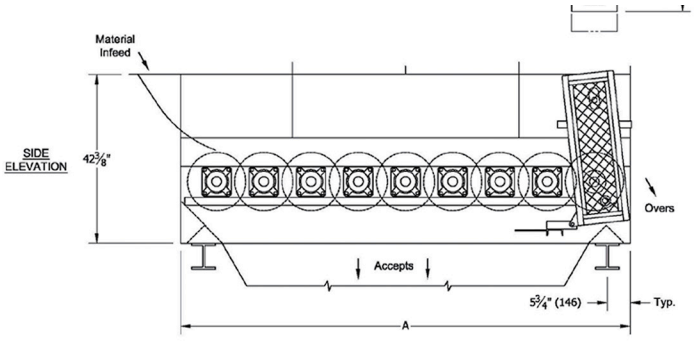
**Check out the Jeffrey Rader® Disc Screen in action!**

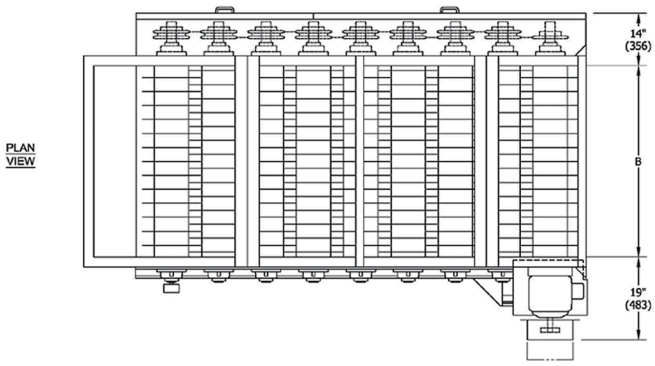
**Discrete Separation Through Variable Openings**

The disc screen separates radically varying materials by selecting the proper disc profile and interface spacing. Configurations can isolate glass, grit, ceramics, metals, and oversize fiber. Removable discs and spacers allow quick field changes—on-site performance can be easily adjusted by installing spacers of varying lengths.



## Dimensions and Weights




| Rader Disc Screen (RDS) Approximate Specifications | | | | | |
|---|---|---|---|---|---|
| **Size** | **No. of Shafts** | **A** Minimum** | **A** Maximum** | **B** | **LBS (KG)** |
| 25 | 5 – 12 | 65-1/2" (1664) | 148-5/8" (3775) | 30" (762) | 4,000 to 9,000 (1,814 to 4,082) |
| 40 | 5 – 12 | 65-1/2" (1664) | 148-5/8" (3775) | 30" (762) | 4,000 to 9,000 (1,814 to 4,082) |
| 50 | 6 – 15 | 77-3/8" (1965) | 184-1/4" (4680) | 30" (762) | 4,000 to 9,000 (1,814 to 4,082) |

* Certified drawings will be furnished for installation. Installation supervision is available.
* * Dimension based on number of shafts. HP ranges from 3 to Z5.
* * * Weight dependent on number of shafts and other variables.