

# J&L DynaFlo™ Curved Bar Refiner Filling

Optimized flow. Enhanced plate life. Improved feeding.

**Optimize pulp flow, enhance plate life and improve feeding capacity with the DynaFlo™ curved bar refiner filling from J&L.**

The DynaFlo™ design is based on advanced flow analysis techniques, another example of J&L's commitment to innovate plate engineering to provide superior fiber processing.

Consider the benefits of the DynaFlo™ curved bar refiner filling:

**Improved feeding capability**

The variable bar and groove design provides improved feeding capability by delivering equal fiber quality (intensity) at higher capacity or

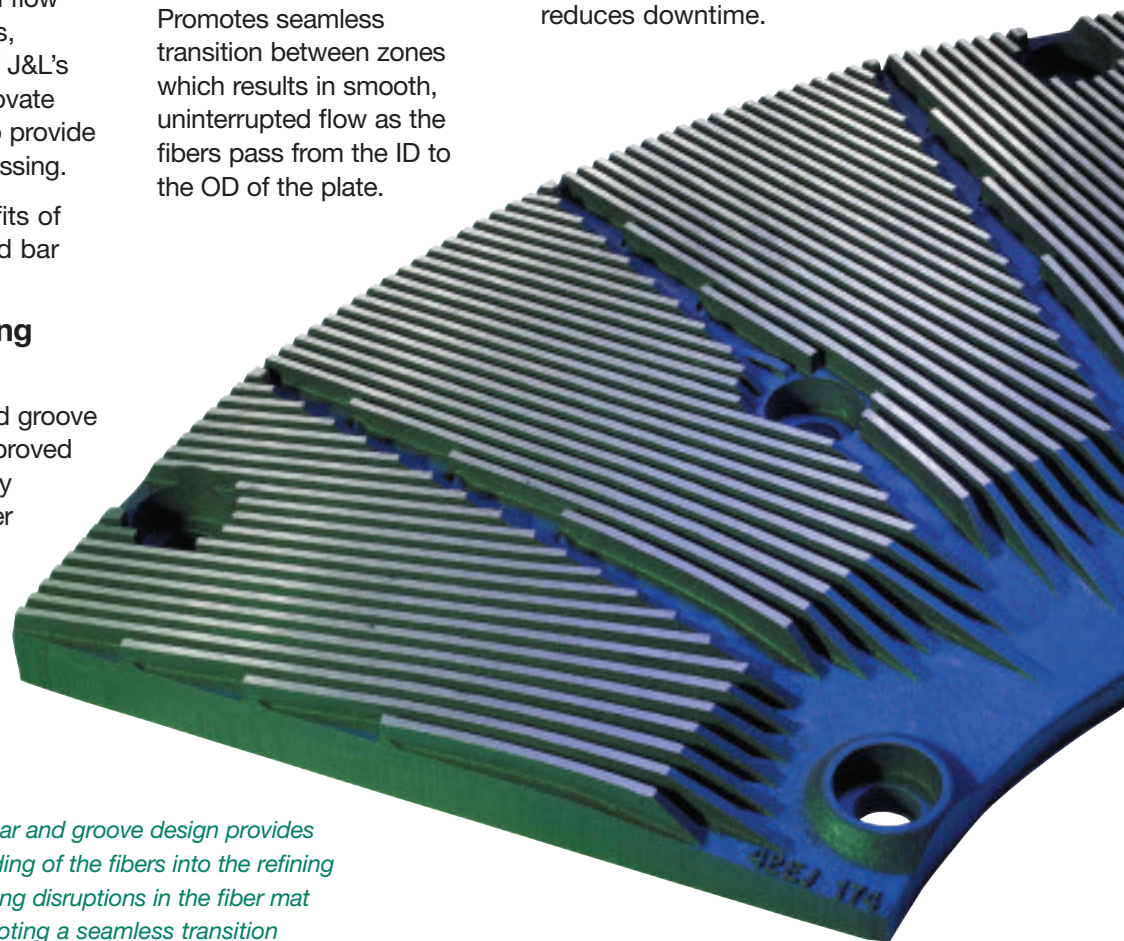
by maintaining comparable throughput capability at lower intensity.

**Uninterrupted Fiber Flow**

Promotes seamless transition between zones which results in smooth, uninterrupted flow as the fibers pass from the ID to the OD of the plate.

**Significant extension of plate life**

Less restrictive flow, a result of the DynaFlo's™ unique design, significantly extends plate life and reduces downtime.



*The variable bar and groove design provides improved feeding of the fibers into the refining zone, preventing disruptions in the fiber mat thereby promoting a seamless transition between zones for enhanced fiber quality.*

## DynaFlo™ Features:

The J&L DynaFlo™ can be engineered to deliver enhanced performance in virtually any low consistency refiner application.

### Variable bar and groove design

The DynaFlo™ curved bar refiner filling features a variable bar and groove design with deeper and wider grooves toward the plate's ID that gradually transition to narrow bars and grooves at the OD of the plate. The overall effect provides *exceptional feeding of the fiber* into the refining zone—without the physical breaks that can result in fiber mat loss and broken bars seen in other design concepts currently in use.

### Balanced open area

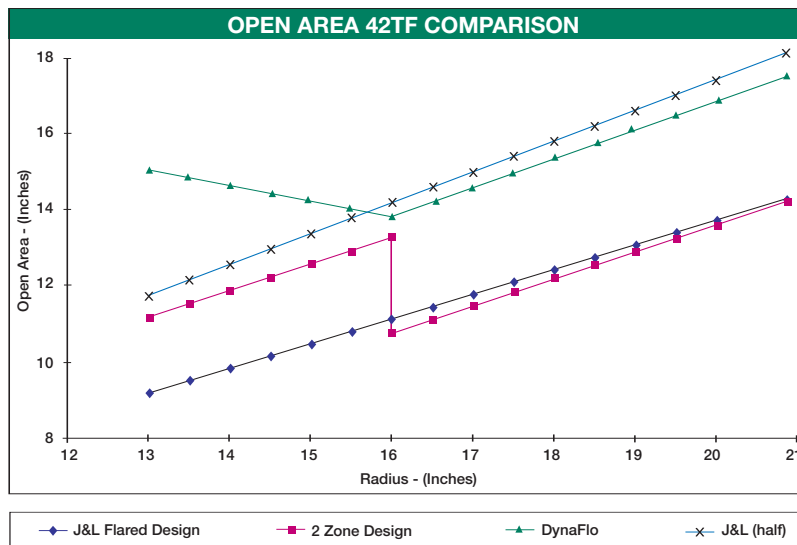
The DynaFlo's™ seamless transition zones also incorporate a balanced open area from the plate's inlet to its outlet. This combines with the deeper grooves at the plate's ID to

deliver improved flow characteristics which means the fiber mat isn't disrupted as it transitions from the feeding zone to the outer refining zones. Less restrictive flow contributes to *improved fiber quality, as well as extended plate life.*

### Seamless transition zones

The DynaFlo™ is designed to deliver superior flow capacity to low consistency applications. The variable bar and groove design prevents disruptions in the fiber mat and promotes seamless transition between zones—significantly reducing downtime.

Your J&L Fiber Services applications team can recommend a DynaFlo™ curved bar refiner filling to help boost your mill's process efficiency.



Although each of these plate designs feature the same specific edge length plot, compare DynaFlo's capacity to the other three.