

J&L Screen Cylinder Technology: UnConventional™ Slotted Screens

Increased Open Area. Superior Structural Integrity.

Achieve maximum flow, screening efficiency and unprecedented strength with the new UnConventional™ slotted screen cylinder. The UnConventional™ is engineered to provide mills with the highest open area available for conventional type screens—resulting in increased screening performance.

The UnConventional™ outperforms standard conventional screen cylinders with significant benefits including:

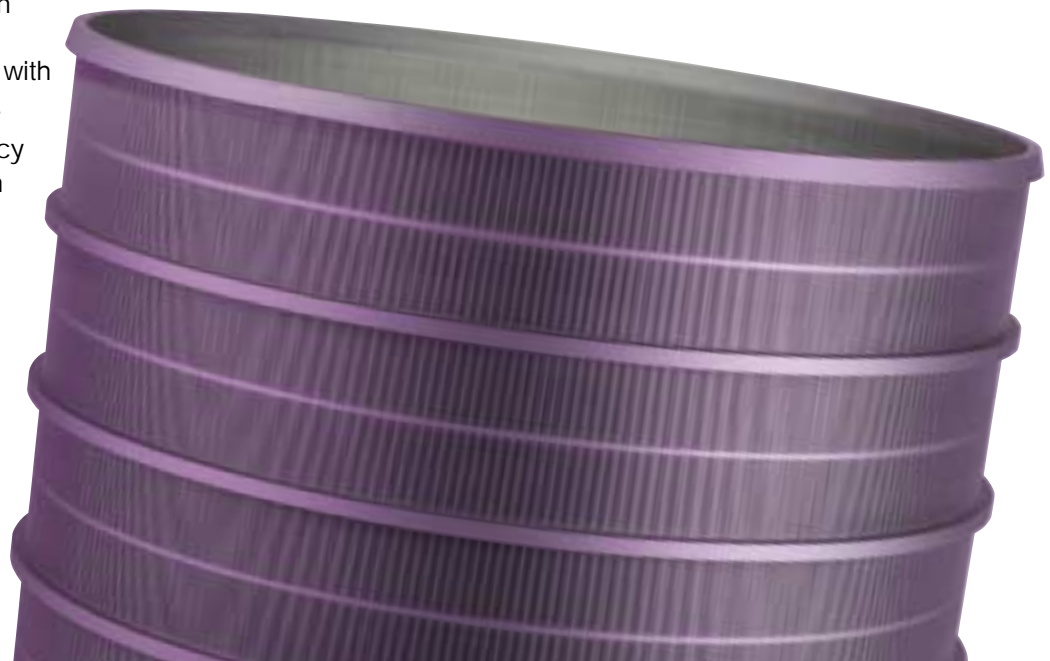
- **Increased Capacity**
The increased open area allows for increased capacity, with the same efficiency.
- **Increased Efficiency**
The increased open area allows for smaller slot size.

- **Modification Free**
Operating modifications like rotor speed reduction or rotor gap changes are NOT required. Just drop it in and RUN!
- **Increased Strength**
Brazed joint construction eliminates the need for welding. This relieves stress cracking and fatigue failure associated with standard welded cylinders. Constructed tough to last in the toughest applications.



The UnConventional™ design is an engineering breakthrough with its unique mechanical interlock joint construction. This design maximizes slot length, allowing for greater open area, while increasing mechanical integrity with its brazed joint construction.

Patent pending



UnConventional™ Features:

Increased Open Area

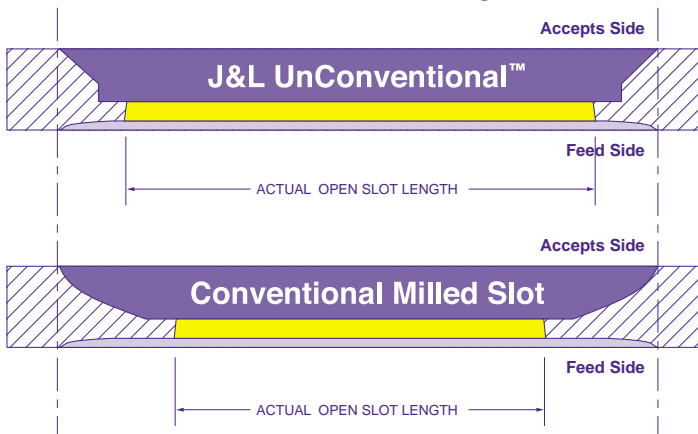
Compared to other conventional screen cylinders, the UnConventional™ provides a far greater open area than the industry standard—resulting in increased screening capacity and more efficient performance.

Slot Comparison to Industry Standard

OEM/Model	Industry Standard	J&L UnConventional™	Long Slot
BLK 24P	330	425 (+22%)	384 (+14%)
BLK UV600	540	719 (+25%)	649 (+17%)
LAM CH10	448	543 (+17%)	480 (+7%)
LAM SPM1200	564	781 (+28%)	672 (+16%)
VOI OM800	369	419 (+12%)	384 (+4%)
BRD 50 OU	440	545 (+23%)	480 (+9%)

Slot length per cylinder height in mm

Increased Slot Length



Multiple Options

The UnConventional™ is suitable for all applications and models and is available in all finishes. Re-chroming is available for extending cylinder life.

Greater Structural Integrity

Milled screen plates and large support rings are joined together mechanically, without welding, which results in excellent structural integrity, roundness and cylindrical tolerance.



The UnConventional™ offers excellent reliability in any model screen without costly rotor modifications.

Suitable for all applications and models, the UnConventional™ offers consistently precise slot width openings, a weld-free design and a wide selection of finishes.

Mills can optimize screen capacity, efficiency, fractionation and runnability with this high open area product.

Your J&L Fiber Services applications team can recommend an UnConventional™ screen cylinder to meet your mill's specific objectives. Or sign up for Newton via the J&L Fiber Services site at www.jlfiberservices.com to specify, quote and order your own screen cylinder or refiner parts online 24 hours a day, 7 days a week.