The genuine Joy seal stands for quality and performance. For longwall mining operations looking to enhance safety and improve system productivity, the genuine Joy super duty radial cutting system is the preferred option.

Limit block cracking and dust particles with our improved block and pick system, designed for Joy machines. This new product provides better material sizing and optimizes conveying operations.

Joy service products are engineered to meet our exacting application and design standards, ensuring optimal system performance. Genuine Joy parts, for Joy machines. They’re a perfect fit.
Understanding the system

Shearer drum
- Designed with attention to the pick location in order to optimize cutting
- Engineered for optimal conveyor loading through the vane positioning and provides 5% better material cleanup versus competitors
- Drum design includes additional picks for face cutting to improve sumping and protect the face plate

Pick holder
- Improved block strength due to 100mm width versus the standard competitor 82mm width
- Designed to minimize block cracking by matching block size to drum vane thickness, protecting the bock weld with the vane and reducing pick chatter

Radial pick
- Unique pick design results in more than 50% stiffer shank reducing the chance of bending and shanking
- Optimized contact surface area prevents bit rotation
- Reshaped heel design creates a venturi effect for the spray system
- Reshaped head allows free flow of water to the tip
- Pick retainer style provides improved pick retention reducing pick chatter with an increased bearing area

Spray system
- Spray completely protected and enclosed by the pick
- Improves dust suppression while using 33% less water than comparable systems
- Complies with ITPP regulations

A genuine Joy radial cutting system...
...uses 33% less water. Our spray design creates a venturi system through the heel of the new radial pick, thereby using much less water.

...improved productivity allows for faster haulage, approximately 5% improvement in cleanup and larger product size.

...reduces maintenance—pick design results in 50% stiffer shank, reducing chance of bending or shanking. Retention style reduces pick chatter with an increased bearing area.