

UFB-16
Underground Feeder-Breaker
Product Overview



JOYGLOBAL
Service Leader



Delivering world-class mine performance

At the core of our commitment to customers is providing world-class solutions through our unique direct service network. This allows us to **collaborate with customers**, developing innovative parts, products, consumables and systems that lower their total cost of ownership and maximize production without impacting safety.

JOY Operational Excellence
Taking us to the next level



Our commitment to quality and reliability is supported by our focus on Operational Excellence. We use Joy OpEx principles to eliminate waste, simplify the process, automate and remove people from harm's way.



Underground Feeder-Breakers

Joy underground feeder-breakers are the industry standard for providing efficient, flexible sizing and surge capacity. As the interface between batch haulage and the conveyor belt, feeder-breakers are the essential connection between the mining and material handling systems, allowing both to operate at maximum efficiency and productivity.

With a focus on solving customers' toughest mining and material handling challenges, Joy Global's product experts developed our Joy feeder-breakers to maximize productivity and drive down operating costs. Our designs are based on years of experience in providing reliable, efficient equipment built to last.

UFB-16 Specifications	
Maximum throughput	1600 mt/h
Highest operational height/discharge clearance	2251/1102 mm
Lowest operational height/discharge clearance (Wheels in lowest position)	2133/872 mm
Minimum transport height (Wheels removed/skid mounted)	1806 mm
Dimensions L x W x H (lowest position)	9444 x 3326 x 2133 mm
Dimensions L x W x H (highest position)	9409 x 3326 x 2259 mm
Installed power	180 kW
Maximum output product size	150 to 200 mm
Drum diameter	860 mm
Shark fins	Standard
Removable hopper	Standard

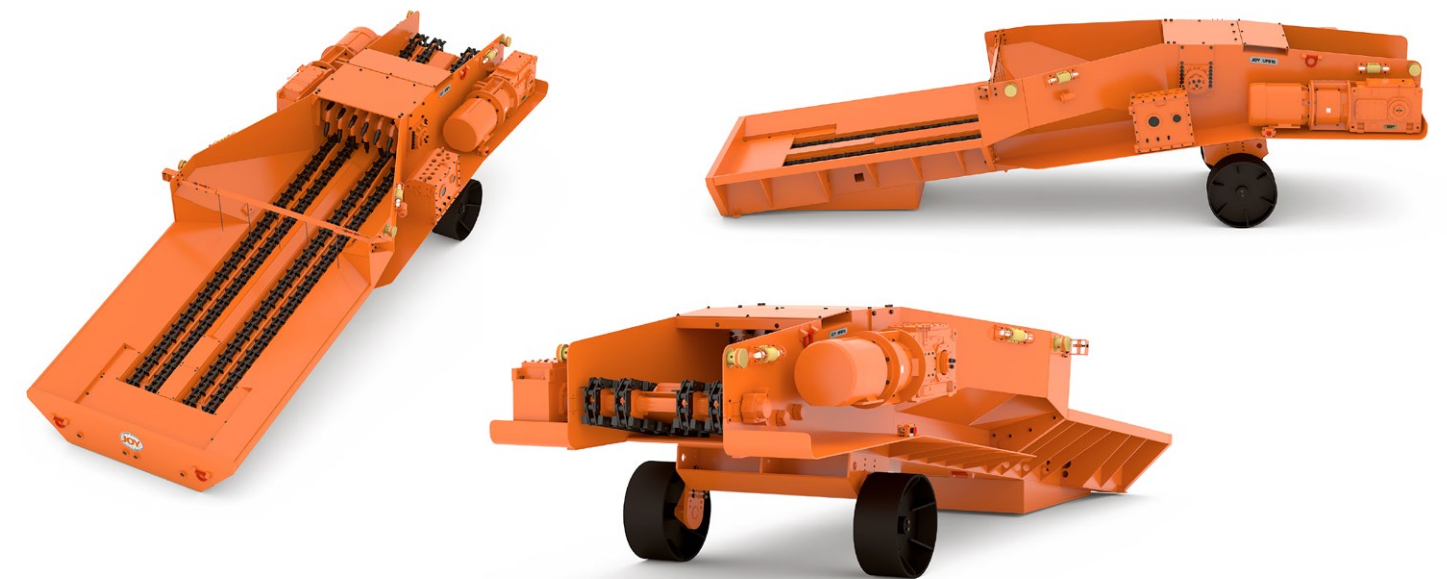
Enhanced Breaker Drum

- Critical component for machine performance
- Lasts up to three times longer than competitive designs for longer service
- Tapered roller bearing design with improved seals for increased productivity



Compared to competing offerings, the UFB-16 provides lower cost of ownership and increased productivity, all with superior Joy Global service

- High machine availability
- Simple design
- Less maintenance with our electro-mechanical design (no hydraulics)
- Mounted on wheels for mobility
- Wheels are adjustable for transports and to accommodate interfacing with 10SC32C or 10SC32AB shuttle cars and tail ends up to 1102mm
- Minimal maintenance requirements – direct gear drives
- Hopper is removable to improve underground transport
- Up to 50% longer machine life between rebuilds
- Lower operating costs
- Higher strength rated conveyor chain, larger components – 114mm pitch sprockets
- Four individual chains to reduce downtime and increase availability



UFB-16 feeder-breakers are also available with:

- VFD controls for enhanced machine performance
- Solid rubber tires for improved mobility
- Chain drive on the conveyor for simplified speed change
- Conveyor chain tensioning system for safer and quicker adjustment
- Machine monitoring via JoyConnect

Joy Global can custom design a feeder-breaker for your specific application. Consult your local Joy Global representative for more information.



Joy Global worldwide locations

JOYGLOBAL



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