

MRST SERIES

Rock Breaker System



Maximum Strength

Oversized hardened alloy pins, aluminum-bronze bushings, and thrust washers deliver maximum service under adverse conditions. Our induction-hardened chrome cylinder rods resist damage from fly rock. Four plate variable cross-section booms are specifically designed to minimize stress concentrations that typically lead to fatigue cracks.

Longer Lifespan

Astec implements many design features that contribute to the overall life of the rock breaker. Clevis-type, high-pressure hydraulic cylinders equipped with high tensile steel-cast cylinder lugs provide maximum strength in rock breaking applications. The cylinder's self-aligning spherical ball bushings keep the equipment properly aligned and flexible during production hours throughout its lifespan.

High Production

For high production applications, Astec combines enhanced motion control and boom position feedback for continuous speed giving the highest level of controllability while minimizing cycle times, improving operator fatigue and production.

Pedestal Design

The turntable design offers a 330-degree full rotation with a hydraulic-driven slew-bearing drive producing a constant swing torque for consistent force during operation. All models are fitted with relief functions and back drive capability to absorb shock loading from the crusher without damaging the rock breaker system.

Premium Controls

Astec offers a wide range of controls for all rock breaker systems. The breaker intel control system, Astec's premium controls, provides long-distance controls for single or multiple rock breaker operations, enhanced motion control and position feedback with collision avoidance, programmable ramp generation and flow sharing that easily integrate into your current plant. The system also provides monitoring and diagnostics. Our standard proportional control comes with your choice of game-style or joysticks controller.

Physical/Operating Characteristics

Model	Operating Weight Range *		Vertical Breaker Reach Forward **		Vertical Breaker Reach Down **		Maximum Reach Forward **		Recommended Breaker Range
	lb	kg	ft	m	ft	m	ft	m	
MRST25	28,830 - 31,500	13,080 - 14,288	24.75	7.5	15.75	4.8	34	10.3	BX40 to BXR85
MRST30	29,330 - 32,000	13,307 - 14,515	29.66	9	18.91	5.7	38.5	11.7	
MRST35	29,830 - 30,880	13,533 - 13,993	34.83	10.6	21.41	6.5	43.25	13.1	BX40 to BXR65

All specifications are subject to change without notice. All results may vary.

* Operating weight is dependent on final breaker size, power pack configuration and optional equipment

** Dimensions nominal (based on BX15 breaker) and subject to change based on final breaker selection for MBS12S & MBS14S

** Dimensions nominal (based on BX20 breaker) and subject to change based on final breaker selection for MBS12H, MBS13H & MBS16H