

MRHT 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

Low Profile Design

The MRHT LP series offers a low profile design, optimal for low headings in an underground mining environment or enclosed space. The MRHT LP model is available with 330-degree gearbox drive or 160-degree cylinder swing drive.

Pedestal Design

Astec offers two pedestal designs, swing post or turntable. The cost-effective MRH swing-post design provides 170-degrees of swivel action. The MRHT 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. On limited models, Astec supplies a hybrid 140-degree slew bearing with cylinder drive, for maximum service life on grizzly applications. 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	
MRHT16	16,350 - 20,800	7,416 - 9,434	16	4.8	13.08	4.2	24	7.3	BX20 to BXR85
MRHT20	16,818 - 19,648	7,629 - 8,899	20.16	6.1	16.33	4.9	27	8.3	BX20 to BXR65
MRHT21LP	20,100 - 22,910	9,117 - 10,392	22	6.7	10	3.0	24	7.3	
MRHT24LP	21,100 - 23,910	9,570 - 10,840	24	7.3	16	4.9	31.75	9.7	
MRHT20/25	17,138 - 19,968	7,774 - 9,044	21.75	6.6	18.75	5.7	28.83	8.7	BX20 to BXR50
MRHT25	17,658 - 19,808	8,010 - 8,985	24.58	7.5	19.75	6	31	9.5	BX20 to BX40
MRHT28	17,482 - 19,262	7,930 - 8,737	27	8.2	21.58	6.5	33.75	10.2	BX20 to BX30
MRHT31	19,246 - 19,864	8,730 - 9,011	31.08	9.4	24.33	7.4	37.5	11.4	

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 based on references from center of swing rotation
 ** Dimensions nominal and subject to change based on final breaker selection

