

ROCK BREAKER & SYSTEMS



CX SERIES HYDRAULIC BREAKERS

Designed for optimum performance in concrete breaking and soft rock applications, the CX series small hydraulic breakers will get your job done easily and efficiently. Our high-strength alloy plate steel construction gives producers the highest quality breaker for continuous use in harsh environments.





1 Easy-to-Service

With fewer parts integrated into the design, servicing the breaker is both easy and less expensive.

2 Low Operating Cost

High flow rates and low operating pressures minimize heat generation and hydraulic shock loading for smooth operation and maximum service life for both the carrier and breaker.

3 Reduce Noise Levels

Boxed housing keeps the noise levels down, essential in densely populated areas.

4 Variety of Tools

The CX series rock breakers can be equipped with chisel, blunt ormoil tools.

Model	Operating Weight		Overall Length		Operating Pressure		Tool Diameter		Exposed Tool Length	
	Pound	Kilogram	Inches	Millimeters	psi	bar	Inches	Millimeters	Inches	Millimeters
CX4	396	180	53	1,334	1,710	120	2.1	53	12.6	321
CX6	493	224	55	1,408	2,000	140	2.4	62	13.5	344
CX8	734	333	64	1,635	2,000	140	2.8	70	19.7	500

BX SERIES HYDRAULIC BREAKERS

The BX series hydraulic breaker excavator attachments are built to power your productivity in both concrete and rock applications. These breakers are ideal for demolition, construction or aggregate purposes and are made to withstand continuous breaking in harsh environments.





1 Optimize Production

Breaker-mounted manual stroke selector valve optimizes power and speed, giving producers options for different applications.

2 Auto-grease Option

The auto-grease system keeps the tool lubricated without the hassle of stopping the production cycle. The system delivers just the right amount of grease when it's needed most, and the system easily installs directly on the breaker.

3 Extreme-duty and Wear Bar Kit Option

The extreme-duty and wear bar kit offers additional protection to the wear and tear of the rock breaker with a factory application of cast abrasion strips and wear resistant plate with rock claws.

Model	Operating Weight		Overall Length		Operating Pressure		Tool Diameter		Exposed Tool Length	
	Pounds	Kilograms	Inches	Millimeters	psi	bar	Inches	Millimeters	Inches	Millimeters
BX10	948	430	71	1,800	2,000	140	3.1	78	17.5	445
BX15	1,355	615	78	1,980	2,000	140	3.3	85	18.5	465
BX20	2,050	930	88	2,225	2,300	160	4.1	105	21.3	538
BX30	2,668	1,210	97	2,455	2,450	170	4.7	120	26.5	668
BX40	3,830	1,740	109	2,760	2,450	170	5.3	135	26.5	668

BXR SERIES HYDRAULIC BREAKERS

The large-size BXR series hydraulic breaker attachments are designed for both speed and strength without compromising longevity. The blow energy of the hydraulic breaker is maximized in varying rock conditions by using recoil-sensing technology with operator actuated, two-speed control and an oversized piston. This design boosts speed without the need for additional flow.





1 Exceptional Impact Energy

The extra-long stroke pressure balanced piston, oil regeneration system and button-nose piston design maximizes the blow energy needed to break hard rock.

3 Long Rock Breaker Life

A remotely-located greasing port provides a convenient interface to carrier-mounted remote greasing systems and contributes to the longevity of the breaker.

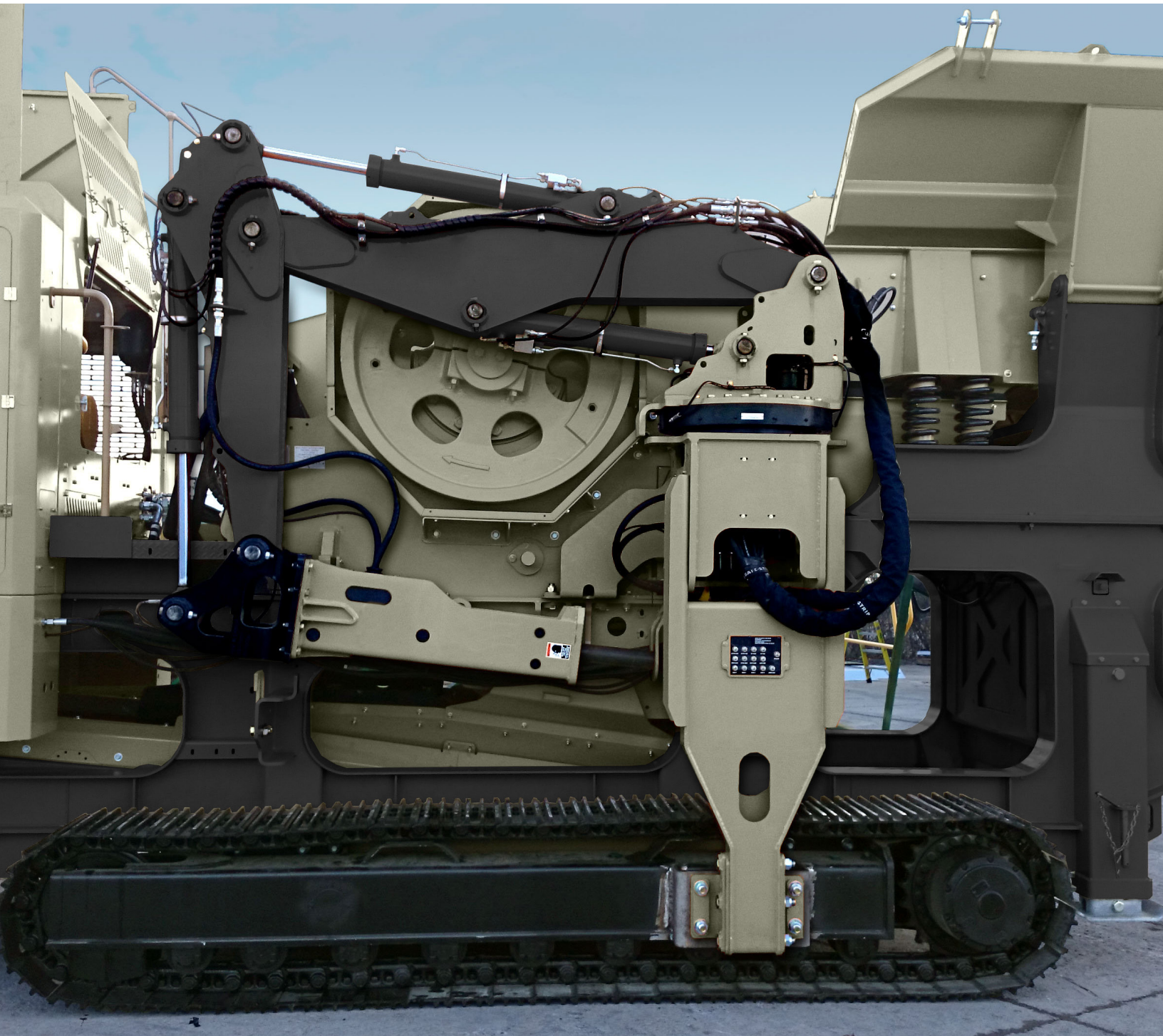
2 Durability

High-strength alloy plate steel with abrasion-resistant plate housing and heat-treated alloy pistons allow the rock breaker to withstand harsh conditions.

Model	Operating Weight		Overall Length		Operating Pressure		Tool Diameter		Exposed Tool Length	
	Pounds	Kilograms	Inches	Millimeters	psi	bar	Inches	Millimeters	Inches	Millimeters
BXR50C	4,200	1,910	103	2,622	2,700	186	5.5	140	25	635
BXR65C	4,860	2,200	112	2,863	2,700	186	6.0	150	26.2	665
BXR85C	6,500	2,950	128	3,241	2,700	186	6.3	160	29.3	745
BXR100C	7,800	3,540	134	3,400	2,700	186	6.7	170	30.3	770
BXR120C	9,200	4,170	138	3,500	2,700	186	7.1	180	31.9	810
BXR160C	12,100	5,490	155	3,943	2,700	186	7.9	200	36.6	930
BXR185D	15,660	7,100	181	4,590	2,700	186	8.7	221	36	913

ROCK BREAKER SYSTEMS

Astec has a variety of rock breaker system models for breaking oversized material at large gyratories, grizzlies and both primary and secondary crushing applications. Designed to integrate into mobile, portable or stationary crushing plants, or at grizzly ore-pass sites, these breaker systems include boom-mounting configurations, automatic greasing packages, motor starter panels, joystick controls and easy plant integration.





1 Rock Breaker System Design

Astec rock breaker systems are equipped with alloy pins, aluminum bronze bushings and thrust washers that deliver maximum service life under adverse conditions. The induction-hardened chrome cylinder rods resist damage from fly rock for reduced maintenance. Four plate variable cross-section booms are specifically designed to minimize stress concentrations that typically lead to fatigue cracks.

2 Pedestal Design

Two pedestal designs are available: swing post or turntable. The cost-effective swing-post design provides 170-degrees of swivel action. Select models are equipped with a hybrid, 170-degree slew bearing with cylinder drive for maximum service life. 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.

3 Longer Life Span

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 cylinders' self-aligning spherical ball bushings keep the equipment properly aligned and flexible during production throughout its lifespan.

4 System Controls

Astec rock breakers are equipped with either, non-programmable PLC controls or the premium smart controls, Breaker Intel. Both control systems have a variety of optional features for additional safety and equipment monitoring.

Model	Applications
MBS Series	Mobile Plant, Jaw/Impact Crusher
NTE Series	Jaw/Impact Crusher, Grizzly
MRH Series	Jaw/Impact Crusher, Grizzly, Gyratory
MRHT Series	Jaw/Impact Crusher, Grizzly, Gyratory
MRST Series	Grizzly, Gyratory
TTX Series	Gyratory



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