

BXR SERIES

Hydraulic Breaker



Extreme Impact Energy

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

Continuous Duty in Harsh Conditions

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

High Operating Efficiency

The oil regeneration system increases BPMs (Beats Per Minute) without decreasing energy in hard material applications

Protection for Internal Components

Anti-blank fire on/off selector keeps the rock breaker from firing until tool force is applied, protecting your internal components from unnecessary damage

Optimize Production

Long/short stroke selector (manual or remote) optimizes power and speed, giving you options for different applications

Reduce Noise Levels

Boxed housing keeps the noise levels down, essential in high-density population areas

Physical/Operating Characteristics

Dimension	BXR50C		BXR65C		BXR85C		BXR100C		BXR120C		BXR160C		BXR185D	
	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric
Carrier Range	39,700-77,160lb	18,007-34,999kg	41,890-92,595lb	19,001-42,000kg	61,730-114,640lb	28,000-52,000kg	74,960-149,915lb	34,001-68,000kg	92,595-176,370	42,000-80,000kg	121,255-220,460lb	55,000-99,999kg	143,300-264,555lb	65,000-120,000
Operating Weight	4,200lb	1,910kg	4,850lb	2,200kg	6,500lb	2,950kg	7,800lb	3,540kg	9,200lb	4,170kg	12,100lb	5,490kg	15,660lb	7,100kg
Energy Class	5,000ft-lb	6,780 J	6,500ft-lb	8,810 J	8,500ft-lb	11,520 J	10,000 ft-lb	13,560 J	12,000 ft-lb	16,270 J	16,000 ft-lb	21,860 J	18,500 ft-lb	25,100 J
Tool Diameter	5.5in	140mm	5.9in	150mm	6.3in	160mm	6.7in	170mm	7.1in	180mm	7.9in	200mm	8.7in	220mm
Tool Working Length	25in	635mm	26.2in	665mm	29.3in	745mm	30.3in	770mm	31.9in	810mm	36.6in	930mm	35.9in	913mm
Blow Rate	440-810 bpm		400-780 bpm		340-670 bpm		360-690 bpm		330-620 bpm		260-410 bpm		290-348 bpm	
Recommended Flow Range	42-53 gpm	160-200 l/min	46-58 gpm	175-220 l/min	51-63 gpm	190-240 l/min	66-82 gpm	250-310 l/min	85-106 gpm	320-400 l/min	95-119 gpm	360-450 l/min	96-120 gpm	364-455 l/min
Relief Valve Setting	3,500psi	240bar	3,500psi	240bar	3,500psi	240bar	3,500psi	240bar	3,500psi	240bar	3,500psi	240bar	3,500psi	240bar
Hydraulic Working Pressure	2,700psi	186bar	2,700psi	186bar	2,700psi	186bar	2,700psi	186bar	2,700psi	186bar	2,700psi	186bar	2,700psi	186bar
Maximum Output	84hp	62kW	91hp	68kW	99hp	74kW	129hp	96kW	167hp	124kW	188hp	140kW	189hp	141kW
Nitrogen Pressure, Head	160psi	11 bar	160psi	11 bar	160psi	11 bar	160psi	11 bar	160psi	11 bar	160psi	11 bar	160psi	11 bar
Nitrogen Pressure, Accumulator	900psi	62bar	900psi	62bar	900psi	62bar	900psi	62bar	900psi	62bar	900psi	62bar	900psi	62bar
Anti-Blank Fire Selector	Yes		Yes		Yes		Yes		Yes		Yes		Yes	
Two Stroke Selector	Manual/Hydraulic		Manual/Hydraulic		Manual/Hydraulic		Manual/Hydraulic		Manual/Hydraulic		Manual/Hydraulic		Manual/Hydraulic	
Oil Regeneration System	Yes		Yes		Yes		Yes		Yes		Yes		Yes	
Remote Grease Connection	¼" NPT		¼" NPT		¼" NPT		¼" NPT		¼" NPT		¼" NPT		¼" NPT	
Remote Air Connection	PT ½"		PT ½"		PT ½"		PT ½"		PT ½"		PT ½"		PT ½"	
Hydraulic Hose Connection	#16 JIC		#16 JIC		#20 JIC		#20 JIC		#20 JIC		#20 JIC		#24 ORS	
Automatic Lubrication System	Optional		Optional		Optional		Optional		Optional		Optional		Optional	