



**BREAKER
TECHNOLOGY,
INC.**

an Astec company

VZ SERIES Hydraulic Breakers

BTI's VZ Series of Hydraulic Breakers offer outstanding power to weight ratio, and exceptional efficiency with the energy regeneration system.

Features & Benefits

Long / Short Stroke Selection

Operator controlled hydraulic pilot valve or mechanical selector valve optimize impact strength and blow speed for maximum performance in varying rock conditions.

Energy Regeneration System

A unique control system harnesses the breaker recoil energy improving breaker efficiency, increasing blow rates up to 15% in hard rock conditions.

Anti-Blank Fire Selection

All VZ Series breakers can be configured for blank-fire or anti-blank-fire operation.

Underwater Application

Remote air porting at the top of the breaker allows for underwater operation with the addition of a compressed air supply.

Remote Greasing

A remote grease port for tool bushings at the top of the breaker provides trouble free connection to automatic greasing systems, supplied separately.

Hose Routing

The VZ85 and VZ120 models are equipped with heavy duty side mounted hose swivels for improved hose protection in heavy raking applications.

All VZ Series breakers are equipped with rear porting for optimum hose protection in trenching applications.

Narrow Front Head

The narrow front head allows for trenching in confined spaces. The narrow profile allows optimum visibility and access when working in tight quarters.

Exceptional Structural Integrity

Boxed section housing provides excellent strength while remaining lightweight. The suspended boxed housing design reduces noise and vibration to the carrier.

Compressed polyurethane isolators suspend the breaker body on all sides, absorbing and protecting the carrier boom from recoil energy. This feature provides the unique benefit of preventing tie rod strain during blank firing and raking.

Front head support allows minimal movement, leaving cylinder and gas head free without stressing the tie rods.



VZ Series Hydraulic Breakers



Breaker Specifications		VZ50	VZ85	VZ120	
Breaker Class	Joules	6,775	11,518	16,660	
	ft-lbs	5,000	8,500	12,000	
Operating Weight	lbs	4,520	6,710	9,157	
	kg	2,050	3,043	4,153	
Oil Flow Range	gpm	42.3-52.9	50-69	66-93	
	lpm	160-200	190-260	250-350	
Working Pressure Range	psi	2,030-2,755	2,030-2,755	2,030-2,755	
	bar	140-190	140-190	140-190	
Frequency Range	High speed*	bpm	580-720	380-530	n/a
	Low speed*	bpm	420-580	480-680	350-500
Tool Diameter	in	5.31	6.1	6.6	
	mm	135	155	168	
Recommended Carrier Weight	lbs	39,700-88,200	61,700-105,800	81,600-154,000	
	kg	18,000-40,000	28,000-48,000	37,000-70,000	

* speeds can increase by 15% with the energy regeneration system

All dimensions and specifications are approximate and subject to change without notice.



10313-ENG-0407

BREAKER TECHNOLOGY an Astec Industries Company

UNITED STATES EAST 440.248.7168 • UNITED STATES WEST 951.369.0878 • CANADA/INTERNATIONAL 519.599.2015 • rockbreaker.com

