

AST HYDRAULIC BREAKERS



ADAPTIVE STROKE TECHNOLOGY



Enhanced Productivity - Intelligent sensing adjusts power and speed in real time to optimize performance.



High Power Output - New hydraulic circuit design delivers higher output for stronger performance.



Extended Durability - Smart sensor limits excessive power output that can lead to component wear.



Ease of Use - Auto-stroke system reduces operator workload and simplifies stroke control.



HARD ROCK



MODERATE ROCK



SOFT ROCK

HARD ROCK



LEVEL 1 LONG STROKE

SOFT ROCK



LEVEL 2 SHORT STROKE

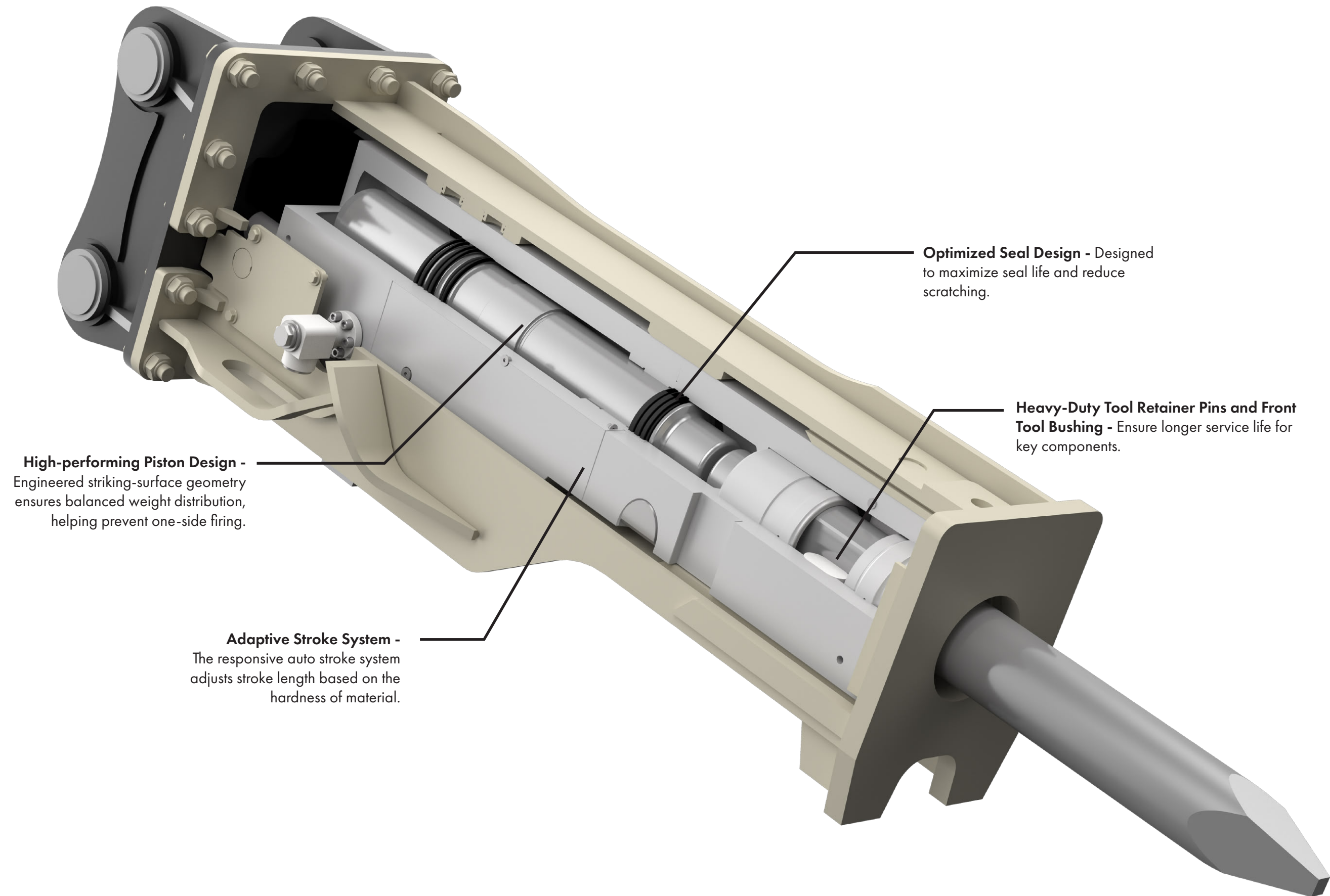
PHYSICAL/OPERATING CHARACTERISTICS

Dimension	Specification	Model					
		AST50	AST70	AST90	AST110	AST130	AST160
Carrier Weight Class	lb	39,700 - 66,140	55,115 - 83,775	61,700 - 92,595	77,160 - 121,255	105,820 - 165,350	121,300 - 220,500
	tonne	18 - 30	25 - 38	28 - 42	35 - 55	48 - 75	55 - 100
Working Weight	lb	3925	6170	6855	8310	9920	13755
	kg	1780	2799	3110	3770	4500	6240
Tool Diameter	in	5.5	5.9	6.3	6.9	7.1	7.9
	mm	140	150	160	175	180	200
Exposed Tool Length	in	27.8	29.5	30.4	31.7	32.2	36.6
	mm	706	750	772	805	818	930
Hydraulic Oil Flow Range	gpm	34 - 45	45 - 63	51 - 69	58-74	66 - 87	79 - 106
	lpm	130 - 170	170 - 240	190 - 260	220 - 280	250 - 330	300 - 400
Hydraulic Operating Pressure Range	psi	1885 - 2610	2175 - 2610	2175 - 2610	2175 - 2610	2175 - 2610	2175 - 2610
	bar	130 - 180	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180
Blow Rate	bpm	250 - 650	270 - 650	260 - 650	250 - 600	220 - 550	200 - 480
Sound Level (measured)	dB	116	121	121	124	130	135
Stroke Control	---	2-Speed Adaptive	2-Speed Adaptive	2-Speed Adaptive	2-Speed Adaptive	2-Speed Adaptive	2-Speed Adaptive
Anti-Blank Fire	---	Standard	Standard	Standard	Standard	Standard	Standard
Breaker Mounted Lube System	---	Standard	Standard	Standard	Standard	Standard	Standard
SignalSense Telematics	---	Standard	Standard	Standard	Standard	Standard	Standard
Remote Air Breather	---	Standard	Standard	Standard	Standard	Standard	Standard
Swivel Fittings	---	Standard	Standard	Standard	Standard	Standard	Standard
Extreme Duty Wear Kit	---	Optional	Optional	Optional	Optional	Optional	N/A

CHOOSING THE RIGHT TOOL FOR DIFFERENT ROCK TYPES

Description	Shape	Application	Rock Types
Moil		Concrete, Asphalt, Rock, Slopes	Basanite, Granite, Diabase
Chisel		Trenching, Slopes, Finishing	Basanite, Granite, Diabase, Sandstone Limestone, Coal
Blunt		Quarry Secondary Breaking	Basanite, Granite, Diabase, Sandstone Limestone, Coal

AST HYDRAULIC BREAKER



High-performing Piston Design -
Engineered striking-surface geometry ensures balanced weight distribution, helping prevent one-side firing.

Adaptive Stroke System -
The responsive auto stroke system adjusts stroke length based on the hardness of material.

Optimized Seal Design - Designed to maximize seal life and reduce scratching.

Heavy-Duty Tool Retainer Pins and Front Tool Bushing - Ensure longer service life for key components.

SIGNAL SENSE



With Signal Sense, you can become an expert in breaker maintenance. PC, Smart devices

You'll monitor the data of your breaker and get notifications for service via PC, smart phone and tablet PC. The data includes location, operating hours and service intervals.

By having Signal Sense, there is no need to worry about breaker maintenance and service intervals. Signal Sense will monitor your breaker for you.



GPS



DATA
VISUALIZATION



OPERATING HOURS



SERVICE
INTERVAL



ALARMS



DATA LOGGER



PC AND
SMART DEVICES





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