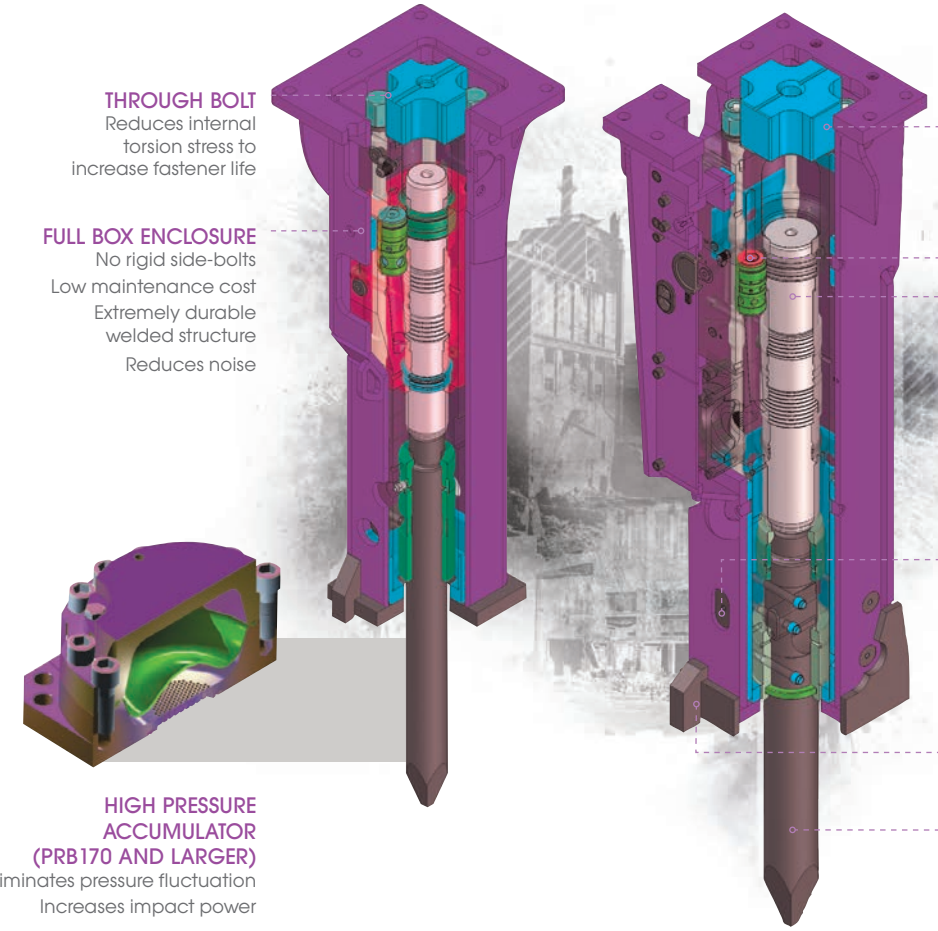
HYDRAULIC HAMMERS

THE PRODEM PRB SERIES ARE VIBRATION DAMPENED SILENCED HYDRAULIC HAMMERS WHICH HAVE BEEN DEVELOPED FOR THE TOUGHEST KINDS OF ENVIRONMENTS.



THROUGH BOLT
Reduces internal torsion stress to increase fastener life

FULL BOX ENCLOSURE
No rigid side-bolts
Low maintenance cost
Extremely durable welded structure
Reduces noise

HIGH PRESSURE ACCUMULATOR (PRB170 AND LARGER)
Eliminates pressure fluctuation
Increases impact power

PERFECT CUSHION DAMPER
Optimal damping system made of high quality elastomer
Minimizing recoil shock induced by impact
Reduces noise and vibration

UNIQUE VALVE DESIGN
Lessens pressure fluctuation
Less damage on carrier's pump

LONG PISTON STROKE
Minimizes recoil
Eliminates mechanical springs
Special heat-treated and hardened piston

EASY MAINTENANCE
Fewer components
Wide and appropriate openings

HARDENED ROCK CLAW
Resisting wear and abrasion

HIGH QUALITY WORKING TOOL
Optimized by high grade steel and heat treatment

FEWER COMPONENTS
- Around one third of its competitors

ANTI-BLANK BLOW (PRB130 AND LARGER)
- Significantly reduces blank blow induced failures
- Less downtime means more productivity

DUAL-SPEED CONTROL (PRB130 AND LARGER)
- Control blow frequency adjusting to hardness of rock
- Low power with high speed - concrete breaking, soft rock, reducing boulders
- High power with low speed - quarry, trenching

CENTRALIZED LUBRICATING SYSTEM
- Enable to utilise centralised auto grease system

OPTION
- Auto greasing kit: Automatic dispensing of lubricating paste

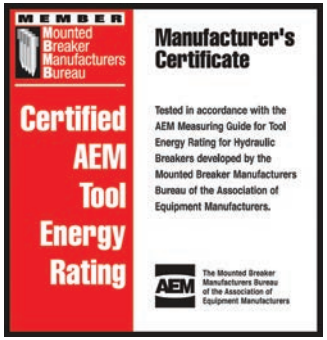
“ THIS MACHINE IS INCREDIBLE! THE PERFORMANCE AND DURABILITY IS SECOND TO NONE MAKING LIGHT WORK OF ANY HEAVY DUTY METAL STRUCTURE CHEWING IT UP IN SECONDS. ”

TOOL ENERGY RATING

WHY DEVELOP THE TOOL ENERGY RATING?

Assessing and comparing hydraulic hammers have never been easier or more accurate than the Tool Energy developed by the Mounted Breaker Manufacture Bureau (MBMB) of the AEM. The AEM is the U.S. based international trade group serving the business needs of construction equipment manufacturers and construction services providers.

The AEM Tool Energy Rating is accepted by hydraulic breaker manufacturers from Finland, France, Germany, Italy, Japan, Korea, Sweden and the United States. PRODEM has been accredited to self certify tool energy ratings obtained through test process complying with “AEM Measuring Guide.”

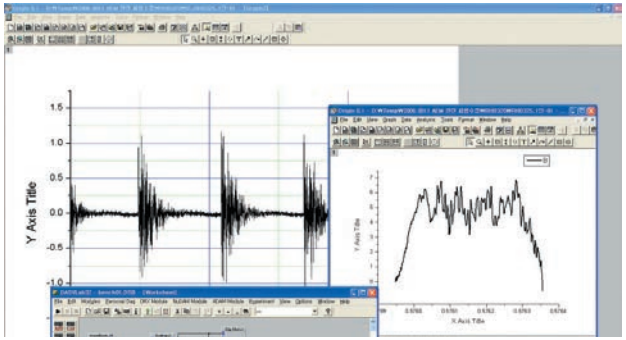


PRODUCT TESTING

HAMMER TEST BENCH

The AEM tool energy rating test bench simulates actual working conditions under controlled situations. Each hammer is tested 25 times observed by the AEM certified tester. Each impact is then measured by strain gauges on the tool bit and recorded and compared with other AEM-mbmb certified breakers.

All variables like flow, pressure, etc which affect impact energy throughout the tests, are averaged to one specific value. By having this test bench, all hammers manufactured complying with AEM-tool energy ratings, give customers a more practical and accurate standard to select a hammer. Only hammers that have been tested and certified under AEM regulation can display AEM-MBMB decal.



HYDRAULIC HAMMERS

PRB SERIES - BA

THE PRODEM PRB SERIES ARE VIBRATION DAMPENED SILENCED HYDRAULIC HAMMERS WHICH HAVE BEEN DEVELOPED FOR THE TOUGHEST KINDS OF ENVIRONMENTS.

Whilst the PRB Series are fully silenced for sound sensitive job sites they also provide impressive power for the largest of demolition sites. The PRB range provides more power through innovative durability. The PRB Series (PRB130 upwards) benefit from, "Pro-Speed" Dual Speed Control System, Anti-Blank Firing System, Auto-Stop & Auto Start, Rock Claws, and a single high pressure accumulator (PRB200 upwards). The PRB Series offer power, reliability, durability, low operating costs and ultimately, customer satisfaction.

TECHNICAL SPECIFICATION

Model	Work Weight (kg)	Required Oil Flow (lpm)	Operating Pressure (bar)	Impact Energy (max) – Low Speed (joule)	Impact Energy (max) – High Speed (joule)	Impact Frequency – Low Speed (bpm)	Impact Frequency – High Speed (bpm)	Tool Diameter (mm)	Tool Diameter (inch)	Carrier Weight (t)
PRB008	75	12-22	100-130	N/A	110	N/A	750-1300	Ø42	Ø1.65	0.7-1.5
PRB010	123	15-25	100-130	N/A	180	N/A	700-1200	Ø45	Ø1.80	0.7-3
PRB030	149	20-35	100-130	N/A	300	N/A	550-1000	Ø50	Ø2.0	1.5-4.5
PRB040	209	30-50	110-140	N/A	450	N/A	550-1000	Ø58	Ø2.3	2.5-6
PRB050	294	35-65	130-170	N/A	700	N/A	550-1000	Ø68	Ø2.7	3.5-8
PRB060	424	45-90	130-170	N/A	1000	N/A	520-1000	Ø80	Ø3.2	5-11
PRB100	537	60-110	140-180	N/A	1350	N/A	500-1000	Ø93	Ø3.7	7-15
PRB130	974	80-140	140-180	2500	2150	380-700	550-850	Ø105	Ø4.1	12-20
PRB170	1270	110-170	160-180	2800	2200	350-600	550-750	Ø117	Ø4.6	14-24
PRB200	1564	100-150	160-180	3500	2800	340-550	440-700	Ø125	Ø4.9	16-25
PRB250	1662	130-180	160-180	4300	3200	330-500	430-650	Ø135	Ø5.3	20-30
PRB300	2492	170-240	165-185	6100	4200	310-490	400-680	Ø150	Ø5.9	26-35
PRB400	3100	200-280	165-185	7600	6000	330-450	420-600	Ø165	Ø6.5	32-45
PRB500	4200	230-330	165-185	10400	7900	250-370	350-500	Ø180	Ø7.1	40-70
PRB700	6700	320-420	165-185	13000	10000	280-370	370-480	Ø205	Ø8.07	60-110
PRB1000	10,070	410-530	165-185	17,000	14,000	260-340	360-470	Ø245	Ø 9.65	85-140

HYDRAULIC HAMMERS

SL & NL

THE PRODEM SKIDSTEER AND BACKHOE SERIES ARE SPECIFICALLY DESIGNED WITH THE OPERATOR IN MIND OFFERING EASE OF MOUNTING, INCREASED VISIBILITY AND IMPROVED PERFORMANCE.

> **“ THE PRODEM HAMMER IS THE BEST I’VE EVER USED. THEY ARE VERY RELIABLE AND IF YOU NEED A SPARE PART THEY’RE READILY AVAILABLE AND INEXPENSIVE. ”**

SKIDSTEER SERIES – SL
Skidsteer series are developed for skidsteer loaders to meet the market requirement of higher impact energy and optimal performance.

BACKHOE SERIES – NL
Backhoe series hammers are developed for backhoe loaders to meet the required design for fold-away transportation by road.

Model	Work Weight (kg)	Required Oil Flow (lpm)	Operating Pressure (bar)	Blow Frequency (bpm)	Impact Energy (joule)	Tool Shank Diameter (mm)	Carrier Weight (t)
PRB040-SL	290	50-70	110-140	550-1000	450	Ø58	2.5-8.0
PRB050-NL	274	35-65	130-170	550-1000	700	Ø68	3.5-8.0
PRB060-NL	401	45-90	130-170	520-1000	1000	Ø80	5.0-11.0
PRB100-NL	485	60-110	140-180	500-1000	1400	Ø93	7.0-15.0

HYDRAULIC HAMMERS

PRIME SERIES
BA & SA

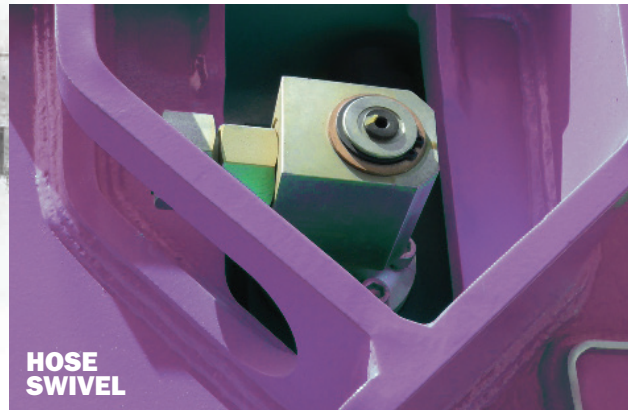
HOSE SWIVELS

- Swivel joint on main feed / return hoses
- Standard from PRB130 to PRB700
- Increased hose life
- Ease of servicing
- Hoses fully protected

PRO-LUBE AUTOMATIC GREASING SYSTEM

- Long service life
- Ease of maintenance
- Lower operating costs
- Screw type replacement cartridges
- Longer tool life

PRO-LUBE AUTOMATIC GREASING SYSTEM



HOSE SWIVEL