

Sandvik Breakers Large Range



Broad Operating and Application Range

Membrane type accumulator

The Sandvik Breakers Large Range of hydraulic hammers are the preferred choice among large breaker professional users across the world. And it's easy to see why.

Simple valve system

Efficient noise and vibration dampening system

LARGE & POWERFUL

The largest models in the Sandvik Breakers hammer range, the flagship Large Range unites all the key features for which Sandvik Breakers hammers are renowned into one large, powerful, durable and reliable package. A pressure control valve ensures that every blow is delivered with maximum power while an optimized piston design transfers blow energy efficiently for optimum breaking performance.

Heavy duty housing design

DESIGNED TO BE A PROFESSIONAL UNIT

Manufactured with a heavy duty housing and a HARDOX lower boot for optimum wear resistance, Large Range hammers are designed to be easily maintained and reliable, regardless of application.

Optimized piston design

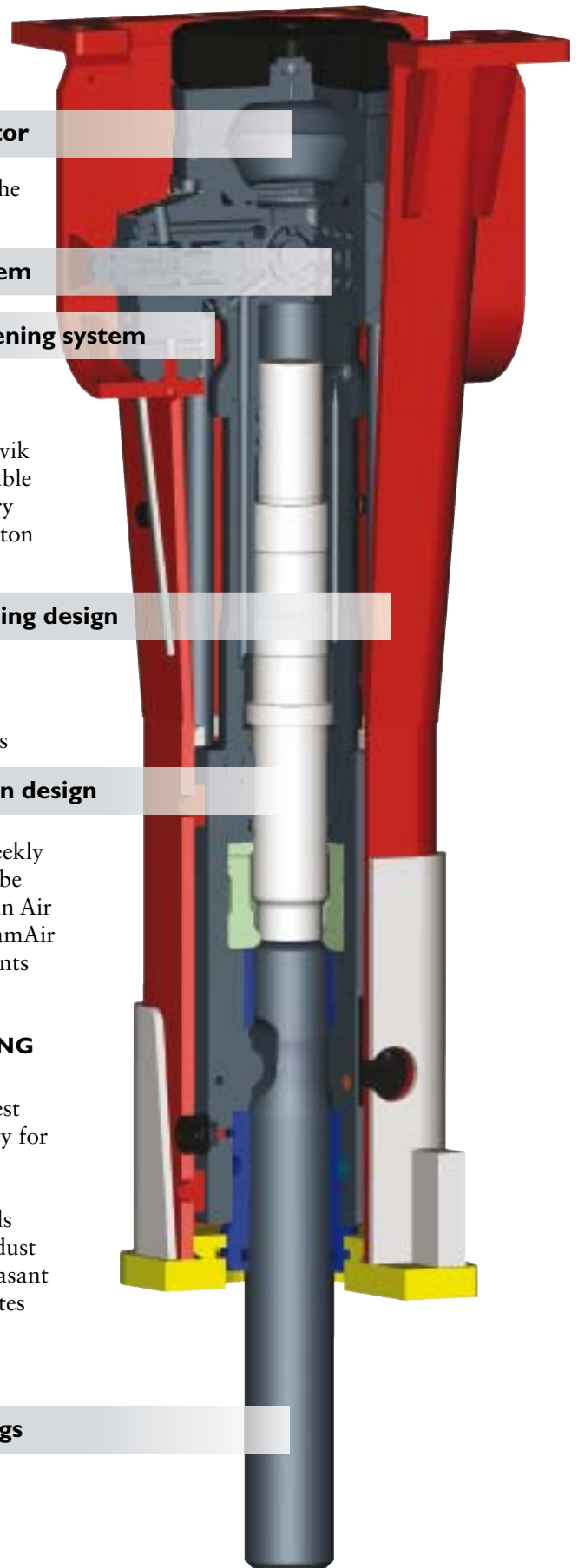
A membrane accumulator protects the carrier from hydraulic pulsation and eliminates the need for weekly maintenance. A built-in grease port and channel make Auto Lube installation easy and ensures efficient lubrication while a built-in Air port/channel enable easy underwater conversion or usage of RamAir either in tunnels or other dusty environments for longer wear item life time.

CONSIDERATION FOR THE WORKING ENVIRONMENT

Sandvik Breakers Large Range have the best vibration dampening system in the industry for enhanced operator comfort.

Pro Control allows operator to choose optimum impact force for various materials to be broken. Sandvik Breakers Water Jet dust suppression and CITY silencing ensures pleasant working environment in challenging job sites like tunnels and urbanized town centers.

Slip fit tool bushings





Primary breaking



Tunnelling



Secondary breaking



Trenching



Underwater breaking



Heavy duty demolition



Mining



Metallurgical applications

The Best Just Got Better

New strong housing, easily serviceable

New vibration dampening

Idle stroke selector

Autolube as standard increases bushing and tool life

Powercell uses state of art componetry, maximized reliability

For more than a quarter of a century, Sandvik Breakers has maintained its position at the forefront of hydraulic hammer design via a process of constant product improvement based upon experience gained in millions of operating hours in diverse applications the world over.

The latest model to emerge from this evolutionary process is the Sandvik Breakers BR 3088, a hammer that raises the standard in large hammer design and manufacturing techniques.

An enhanced housing has been designed to last longer but with reduced maintenance while a strong front head featuring fewer holes and massive bushings help extend tool and bushing life. Bushing and tool life receive a further boost with the addition of Ramlube II lubrication system as standard.

Strong front head, less holes massive bushings, longer life

Enhanced durability is also to the fore in the state-of-the-art power cell that comprises full-length piston guidance, new bolt technology and new seal package that deliver optimum blow force and shock wave with fewer components for maximum reliability.

Excavator operators will also be impressed by the BR 3088. In addition to the reduction in maintenance duties, an excellent vibration dampening system helps protect the carrier and improve operator comfort, vital when working in a quarry or large-scale demolition application.



Large Range, Providing Real Solutions for Real Productivity and Applications

RamAir

- Eliminates dust and particles from entering the piston/tool striking area
- Forces grease forward when working horizontally or vertically
- Protects piston and tool ensuring longer service life in difficult conditions

Ramona

- Monitors the hammer locally or remotely using modem technology
- Measures and records preset parameters
- Warns operator of malfunctions and improper use
- Accurately measures hammer operating hours and production rates

Ramlube II

- Efficient greasing of tool and tool bushing
- Operator does not need to leave the cabin, contributing to site safety
- Extends service life of tool and tool bushing

Pro Control

- Puts power control of hammer back in the operators hands
- Matches power to the job, reducing wear, tear and fuel consumption
- Easy touch screen for operator comfort

Tunnelling Solutions

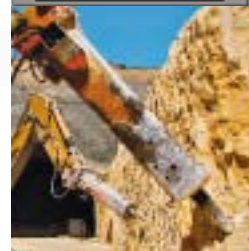
- Purpose-designed hammers to withstand the rigours of primary tunnelling duties
- Sealed housing, CITY, Jet and air ready as standard
- Enhanced vibration dampening system works in any position

Jet

- Effective control of dust during hammer operation
- Efficient and economical use of water
- Increased visibility and safer working environment during hammer operation

Application Specific Tools

- Tools designed to increase productivity
- Application-matched tool hardness and profiles
- Superior tool life in correct applications



			BR 4510 TUNNEL		BR 4511	BR 7013
	BR 3088*)	BR 3890	BR 4510			
Working weight Standard, lbs ⁽¹⁾	–	–	8378	–	–	–
Working weight CITY, lbs	5225	6945	8378	–	8378	15432
Working weight CITY-JET, lbs	5225	6945	8378	–	8378	15432
Working weight TUNNEL, lbs	–	6889	–	8157	–	–
Impact rate, bpm	300-625	300-480	350-550	350-550	300-480	350-450
Operating pressure, psi	2030-2180	2030-2180	2250-2390	2180-2320	2030-2250	2180-2470
Pressure relief min, psi	3050	3050	2970	3050	2830	3190
Pressure relief max, psi	3340	3340	3340	3340	3190	3340
Oil flow range, gal/min	42.3-60.8	55.5-81.9	58.1-92.5	58.1-92.5	58.1-84.5	79.3-105.7
Back pressure max, psi	120	120	150	150	120	150
Max input power, hp	82	105	129	125	111	152
Tool diameter, "	5.59	6.30	6.69	6.69	6.89	7.99
Connections for hoses						
- pressure line (IN) (SAE 6000 psi)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
- return line (OUT) (SAE 6000 psi)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2
- grease connection (G) (BSPP internal)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
- air connection (A) (BSPP internal)	1/2"	3/8"	1/2"	1/2"	1/2"	1/2"
- water jet connection, CITY-JET, TUNNEL (BSPP internal)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
- remote control (Y)	1/2"	3/8"	–	–	3/8"	–
Line size minimum inner diameter						
- pressure line, "	1.26	1.26	1.26	1.26	1.26	1.42
- return line, "	1.26	1.42	1.42	1.42	1.42	1.65
Optimum oil temperature, °F	104-140	104-140	104-140	104-140	104-140	104-140
Max. allowed oil temperature range, °F	-4...+176	-4...+176	-4...+176	-4...+176	-4...+176	-4...+176
Carrier weight, ton	27-40	35-55	40-70	40-70	40-70	60-100
85 dB(A) noise level at distance of ft.						
Standard	N/A	–	–	–	–	–
CITY	56-82	59-79	59-79	–	59-79	65-105
CITY-JET	56-82	59-79	59-79	–	59-79	65-105
TUNNEL	–	59-79	–	59-79	–	–

*) BR 3088 available with a Pro Kit.



3900 Kelley Avenue, Cleveland, Ohio 44114
 Tel: 216-431-2600 Fax: 216-431-2601
 e-mail: Sales@AlliedCP.com
 website: <http://www.AlliedCP.com>

For sales and service, contact your Allied Distributor:



www.sandvik.com