

ANTI-VIBRATION PAVING BREAKER

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ERGONOMICALLY DESIGNED, FEATURES A HINGED ANTI-VIBRATION HANDLE THAT REDUCES UP TO 60% OF VIBRATIONS TO THE OPERATOR WITHOUT LOSS OF POWER. BY ABSORBING THE SHOCK, THE ANTI-VIBRATION HANDLE REDUCES OPERATOR FATIGUE, LESSENS STRESS TO THE UPPER BACK AND SHOULDERS, AND ULTIMATELY PROMOTES PRODUCTIVITY.

Researching Breaker Vibration
This handle design is based on research conducted by Sullair's French operating unit, in association with the French government's INRS (equivalent to U.S.A.'s OSHA). Evaluating the stresses of paving breakers then in existence, the team found that the vibrations (often identified as kickback) came from pressure forces which act on both the body and the hitting piston of the machine. Research showed that breaker vibrations—at a rate of 1000 to 1500 per minute—are relayed through muscular contraction of the hands and arms to the rest of the body.

Finding the Ideal Solution
Over a period of years, the team investigated various approaches to reducing the effects of breaker vibration. Several prototypes were built and tested as the effort focused on developing a sturdier handle while providing simple and progressive start-up. The research culminated in the design of the Anti-Vibration Paving Breaker.

A Hinged Handle and Isolators
In this tool, vibrations are reduced by crossed handles that swivel on two pins on either side of the breaker head. The design provides sufficient clearance while keeping the handles compact. Two helical springs prevent direct contact between the handles and the body of the breaker. The tension of the springs not only provides sufficient thrust when the breaker is operating; it also allows the springs to act as efficient isolators.

Other Design Improvements
The new handle design led to other design improvements. For example, in order to hinge the handles correctly, the breaker's head—particularly the compressed air inlet—had to be completely redesigned.

Power Through Simplicity
The handle suspension system is independent and has no effect on the breaker's striking power. Based on a "power through simplicity" concept, the striking system uses a single piston that is guided through the entire length of the stroke.

No Tappet System
Unlike conventional breakers, Sullair breakers have no multi-part tappet system. With fewer parts, wear is reduced and risk of air leaks is minimized. With no tappet system, which requires three independent impacts, noise is also reduced.

High Impact Energy
Tests prove that these single piston breakers deliver more impact energy, pound for pound, than conventional breakers. The heavier long stroke also reduces piston speed, thus extending the life of the tool.

Less Air Needed
The breaker's direct impact piston design, non-corrosive distribution valve and one-piece housing dramatically reduce air consumption. As a result, more Anti-Vibration Paving Breakers can be operated from a single compressor.



Anti-Vibration Handles

SULLAIR RIVET BUSTERS

POWER FOR CUTTING OFF LARGE RIVET HEADS, HEAVY-DUTY CHIPPING, CONCRETE BREAKING, APPLICATIONS INCLUDE BRIDGE JOBS, STEEL STRUCTURE MAINTENANCE, RAILROAD CAR REPAIR, SHIPYARDS, PETROCHEMICAL PLANTS AND DEMOLITION WORK.

D-Handle with Inside Trigger
Handle design provides comfort and control to the operator in demolition applications.

Variable Throttle Control
Allows variable speed control for maximum production.

Muffler and Screened Inlet Bushing Standard
Provides quieter operation and filters the inlet from contaminating particles.

Interchangeable Parts Provide Flexibility
Interchangeable parts (except cylinder) reduce inventory and increase parts versatility.

Simplified Control Valve
Allows for smoother operation in dirty conditions through precisely engineered tolerances.

90-Day Parts Warranty
This Sullair warranty covers all tool parts against manufacturing defects.

Lubrication
Rivet Busters require inline lubrication (option).



For use on concrete, Sullair offers Chisel and Mail Point Steels for its Rivet Busters. 11X Jumbo is standard.

MRB-8 & MRB-11 RIVET BUSTER DESIGN SPECIFICATIONS

Model	MRB-8	MRB-11
Net Weight	30 lbs.	33 lbs.
Length	22½"	25½"
Shipping Weight	35 lbs.	38 lbs.
Bore and Stroke	1¾" X 8"	1¾" X 11"
Blows per Minute	1140	850
Air Consumption	44 cfm	50 cfm
Air Inlet	½" NPT	½" NPT
Chuck Size	11X Jumbo	11X Jumbo



MRB-8

MRB-11