DEMOLISH OPERATING COSTS

One 90-cfm compressor + two R TEX breakers = less cost, more productivity.

800-732-6762 | **www.atlascopco.us**

Sustainable Productivity

Atlas Copco

IT'S A R:EVOLUTION

Every once in a while an innovation comes along that turns established ideas and technologies on their heads. This is one of them.

The R TEX is built on heritage. Behind its revolutionary design, lies extensive user tests and scientific research. The technical solution is easy to understand but is a game changer, for you the customer and your industry. The R TEX changes perceptions about what a pneumatic breaker can and should do. It simply gets more work done with less energy. In fact, much more work and much less energy.

It does this by challenging existing ideas: unlike in a conventional breaker, where air is discharged each time the piston moves up or down, R TEX consumes air only on the piston's return stroke. This is made possible thanks to the innovative Constant Pressure Chamber on top of the breaker. Air from this chamber pushes the piston down without discharging any compressed air. This new principle is called Constant Pressure Control.

The Constant Pressure Control principle allowed improvements in the piston's design. Now, it is longer and heavier for optimal energy transfer from the stroke mechanism to the chisel.

Another advantage of the Constant Pressure Control principle is that it reduces vibrations at the core. The pressure on top of the acting piston is constant so it doesn't generate vibrations like those produced by conventional breakers, which eliminates the need for vibration damping. To achieve this breakthrough, the valve has been moved from the top of the breaker to the bottom - the new "Upside-Down" concept.

Paired with the equally revolutionary RHEX Power Chisel, the R TEX achieves record-breaking efficiencies. The breaker requires 50 percent less air than conventional breakers in the same weight class, yet delivers the same breaking capacity.

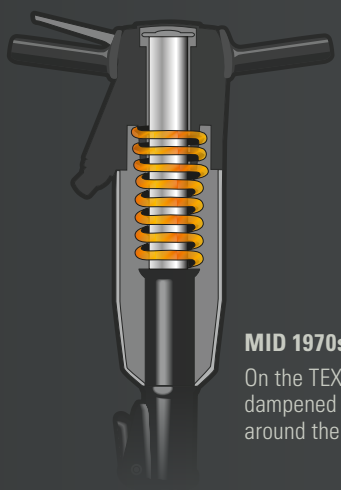
The new 55-pound R TEX will match a conventional 70- to 75- pound breaker in terms of breaking capacity AND save you money due to its lower air consumption.

The R TEX is not only about new features. It's a game changer.

A NEW ERA

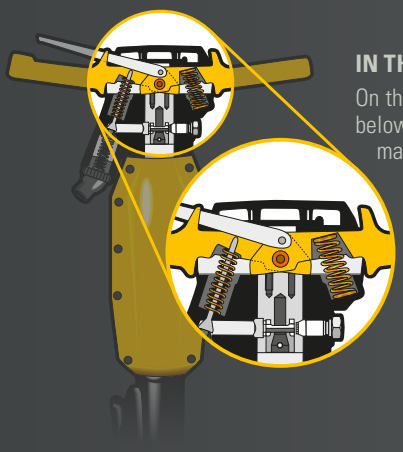
Air is the safest and most readily available source of power. Since its inception, breaker capacity has been associated with the weight of the breaker. With the R TEX, we are moving into a new era, where the relationship between weight and power will change forever. What's even better, the R TEX technology also reduces harmful vibration levels, which has been the other big challenge throughout the development of pneumatic breakers.

VIBRATION EVOLUTION OF THE ATLAS COPCO BREAKER



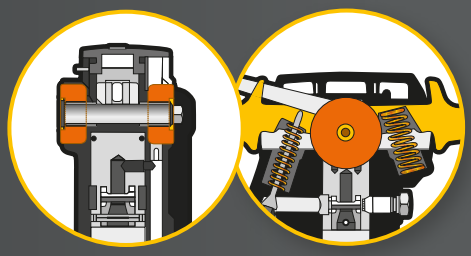
MID 1970s

On the TEX 25's handles, vibrations were dampened by one large spring mounted around the cylinder.



IN THE 1980s

On the TEX 23E, two springs were added, one below each handle, pivoting in the center of the machine.



2000s

The pivot point is suspended in a flexible construction helping to reduce vibration in all three directions. The suspension system has also been modified.

APPLICATIONS
R TEX BREAKER

With an R TEX you can cut 13 to 15 pounds of dead weight and still have more breaking capacity than conventional breakers. That means you can perform a wider range of jobs with less dead weight to carry around.

No matter what type of job you are facing – flexible or rigid highway pavement, sidewalks, or partial or full depth patching – one thing you can be assured of, is ROI.

The reason for this savings is that you will no longer be forced to choose between light and heavy breakers, or to look for compatible compressors – there is only one technology required for all options – R TEX.

What does the R TEX mean for you? Half the air consumption, and the impact power of a 66 pound or heavier breaker from a 55-pound breaker. And with the lowest vibration levels available today from a rigid-handled breaker.

The R TEX has double the breaking capacity per cfm of compressed air than a conventional breaker. This means you need a compressor half the size as previously, or you can double up your breakers from the same power source at no additional cost.

DOWNSIZE YOUR COMPRESSOR FOR SAVINGS

RUN TWO BREAKERS ON SAME COMPRESSOR

A WINNER ON SITE

R TEX saves money and time. It also makes your job easier. Here's how:

PERFORMANCE - *R TEX PAYS FOR ITSELF*

In this weight class a 90-cfm compressor is the standard size for operating one breaker. But due to the low air consumption of the R TEX, you can run as many as two breakers off of a 90-cfm compressor. That means your R TEX breakers can practically pay for themselves.

ON TARGET - *WITH MINIMAL VIBRATIONS*

Stiff handles give you full control over the machine. And thanks to an efficient stroke mechanism with a Constant Pressure Chamber, you will still experience very low vibration. Air cushions protect both you and the machine during extreme use.

BACKSAVER - LOW ON LB, HIGH ON PRODUCTIVITY

Now you can get the same job done using a 55-pound R TEX as with a 66-pound heavy breaker. That means less to transport, less to carry and a healthier back.

MAINTENANCE - *MORE UPTIME*

Stiff handles mean less wear and fewer parts to replace. For you that means fewer spare parts to stock and more productivity.

RHEX THE POWER CHISEL

LESS WEIGHT AND VIBRATION

The RHEX chisel is specially designed for the R TEX breaker. It maximizes the power from the piston to the ground and it's lighter than a conventional chisel, which makes handling easier. The concave design facilitates transport of broken material to increase effectiveness, since broken material acts as a dampener. The design also reduces the risk of jamming.

Shank	*1 1/8" x 6"*
Length	17 in
Part Number	9753242209

HOW THE 0R TEX CAN CHANGE YOUR BUSINESS

The R TEX will change your ideas about what a pneumatic breaker can and should do.
This is how.

POWER

MAKE MONEY ON MILLISECONDS

To break concrete effectively your tool needs to be in contact with the material for as long as possible. Thanks to its new piston design, the R TEX doubles interaction time from 50 to 100 milliseconds.

STAY ON TARGET

Thanks to stiff handles and the improved SOFSTART™ function you are always in full control of the R TEX. With the SOFSTART you can apply just a few blows at a time to make a perfect first cut. Stiff handles put you in direct control of the tool's tip.

THE PERFECT FORMULA

The R TEX will change your idea about how a breaker should perform. With a 55-pound R TEX you can achieve the same, or better, effect than with a 66-pound breaker thanks to its ground breaking technology.

SAVINGS

DOWNSIZE FOR SAVINGS

The R TEX has more breaking capacity per cfm of air than comparable breakers. That means you can either downsize or run several breakers on the same compressor. The air consumption of the R TEX is only 37 cfm, compared to 76 cfm for the comparable TEX P60.

PISTON OF PROFIT

The design of the R TEX piston lets you do the same job much faster than a conventional breaker in the same weight class. That means you can save hours every day. The long piston stroke means doubled interaction time and higher impact energy per blow.

LESS MAINTENANCE

R TEX technology reduces vibration within the breaker, i.e. at the source. As a result, there is less stress on machine parts. Low vibration values can be achieved without additional anti-vibration systems. That means fewer spare parts and less maintenance.

ERGONOMICS

CONSTANT PRESSURE CHAMBER

The piston turns at the top of the cylinder on a Constant Pressure Chamber. Due to the combination of the Constant Pressure Chamber and a sophisticated main valve, you don't need additional vibration dampening systems. Vibration values are still comparable to conventional machines fitted with flexible anti-vibration handles.

LOW VIBRATION TECHNOLOGY

In an ordinary breaker, pressure above and below the piston is constantly shifting because air is ventilated. With the R TEX, only the area below the piston is ventilated. This helps to minimize the vibration you are exposed to and reduces air consumption.

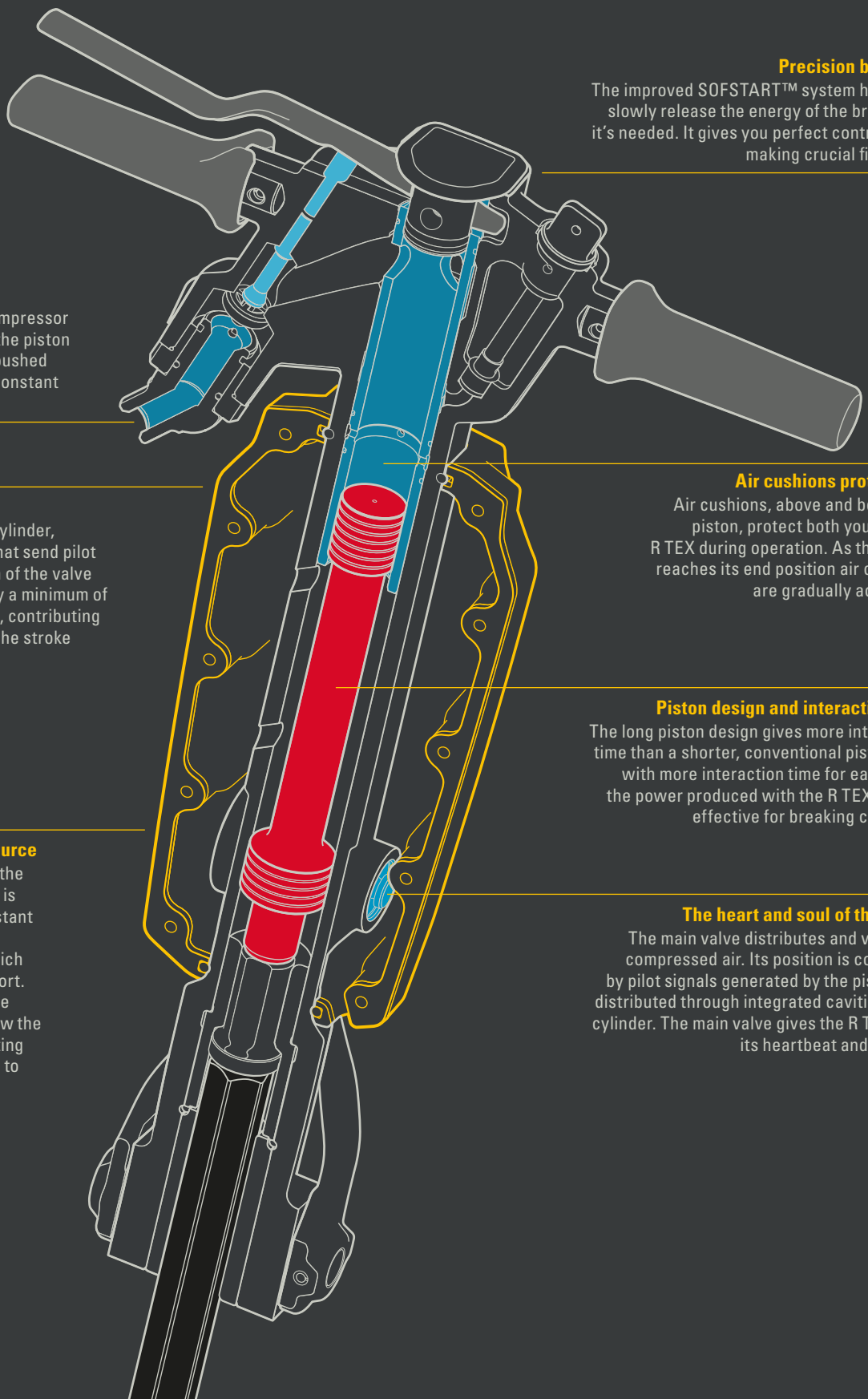
SAVE YOUR BACK

The R TEX saves more than just compressed air and fuel. It saves your back as well. You carry around less weight and get more done thanks to the R TEX game-changing technology.

THE CHAMBER OF SECRETS

THIS IS HOW OUR MOST ADVANCED BREAKER WORKS

The R TEX challenges conventions: a new piston design doubles interaction time, vibrations are reduced at the source, no additional anti-vibration systems are needed and fuel savings are significant. These are the secrets.



Precision breaking
The improved SOFSTART™ system helps you slowly release the energy of the breaker as it's needed. It gives you perfect control when making crucial first cuts.

Where it all starts
Air pressure from the compressor is constant at the top of the piston as long as the trigger is pushed down. This creates the Constant Pressure Chamber.

Air cushions protect you
Air cushions, above and below the piston, protect both you and the R TEX during operation. As the piston reaches its end position air cushions are gradually activated.

Smartness inside
In the upper part of the cylinder, cavities are integrated that send pilot signals for the regulation of the valve position. This means only a minimum of valuable air is consumed, contributing to the high efficiency of the stroke mechanism.

Piston design and interaction time
The long piston design gives more interaction time than a shorter, conventional piston. And with more interaction time for each blow, the power produced with the R TEX is more effective for breaking concrete.

Less vibration at the source
The counter force when the piston moves downward is constant due to the Constant Pressure Chamber. This minimizes vibrations, which optimizes operator comfort. In an ordinary breaker the pressure above and below the piston is constantly shifting in both places. This adds to machine vibrations.

The heart and soul of the R TEX
The main valve distributes and vents the compressed air. Its position is controlled by pilot signals generated by the piston and distributed through integrated cavities in the cylinder. The main valve gives the R TEX both its heartbeat and its soul.

	R TEX 1 1/8"	R TEX 1 1/4"
Weight	55 lbs	55 lbs
Length (retainer extended/notched chisel)	30 in/26 in	30 in
Air Consumption	37 cfm	39 cfm
Impact Rate	845 blows/min	870 blows/min
Vibration level 3 axis (ISO 28927-10)	5 m/s^2	4.8 m/s^2
Vibration level 3 axis (spreads)	1 m/s^2	1 m/s^2
Sound power level guaranteed (2000/14/EC)	107 Lw, dB(A)	107 Lw, dB(A)
Measured power level guaranteed (2000/14/EC)	101 Lw, dB(A)	101 Lw, dB(A)
Pressure Max	100 psi	100 psi
Shank Size Hex	1 1/8 x 6 in	1 1/4 x 6 in
Part Number	8461012520	8461012530

*Important: Full details of measurements are available in the Safety and Operating Instruction of the product (part no 9800). It can be found at www.acprintshop.com