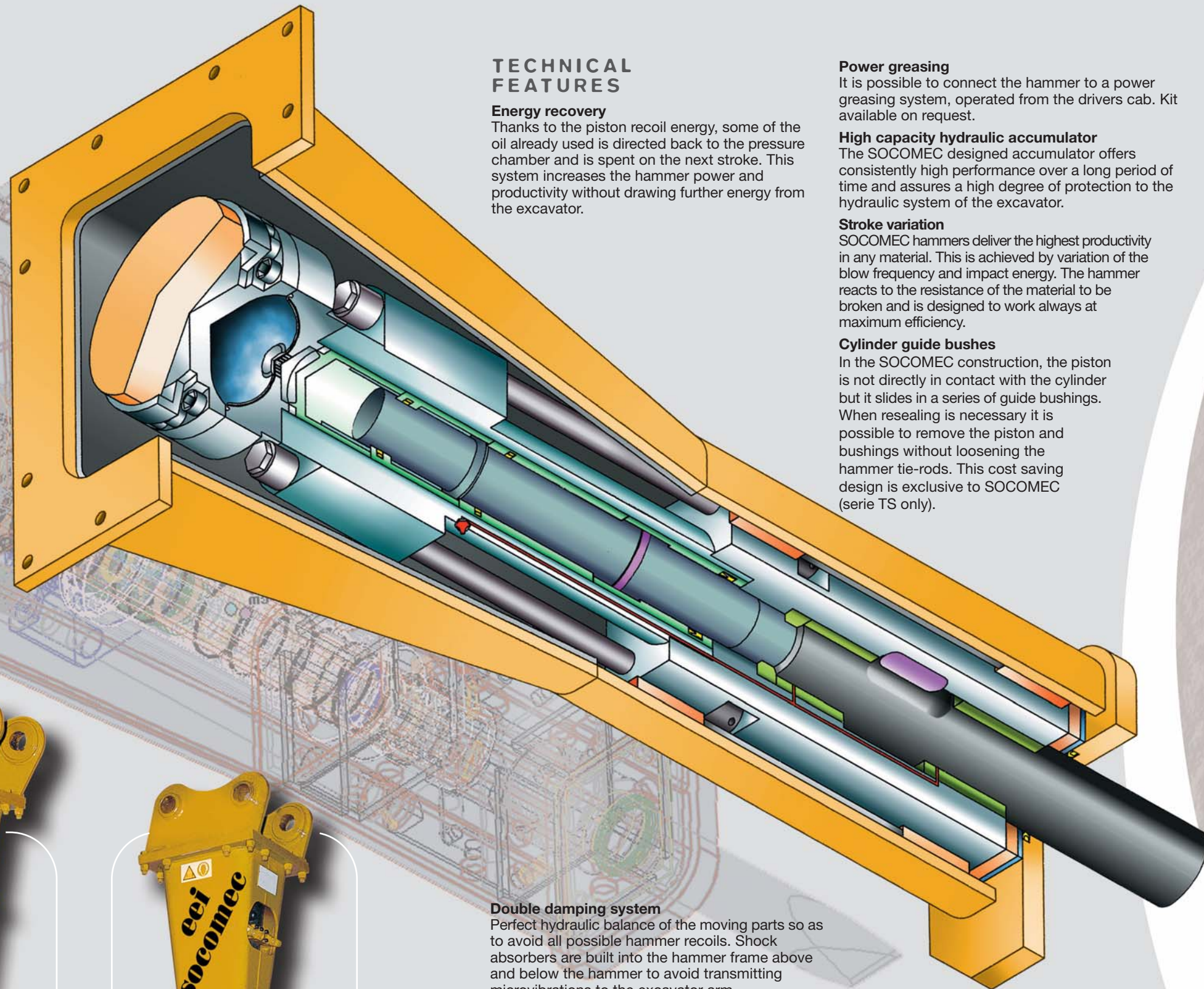


MDO SERIES

**MEDIUM-HEAVY
DEMOLITION HAMMERS
WITH ENERGY RECOVERY**



New Technology



TECHNICAL FEATURES

Energy recovery

Thanks to the piston recoil energy, some of the oil already used is directed back to the pressure chamber and is spent on the next stroke. This system increases the hammer power and productivity without drawing further energy from the excavator.

Power greasing

It is possible to connect the hammer to a power greasing system, operated from the drivers cab. Kit available on request.

High capacity hydraulic accumulator

The SOCOMEC designed accumulator offers consistently high performance over a long period of time and assures a high degree of protection to the hydraulic system of the excavator.

Stroke variation

SOCOMECE hammers deliver the highest productivity in any material. This is achieved by variation of the blow frequency and impact energy. The hammer reacts to the resistance of the material to be broken and is designed to work always at maximum efficiency.

Cylinder guide bushes

In the SOCOMEC construction, the piston is not directly in contact with the cylinder but it slides in a series of guide bushings. When resealing is necessary it is possible to remove the piston and bushings without loosening the hammer tie-rods. This cost saving design is exclusive to SOCOMEC (serie TS only).

Double damping system

Perfect hydraulic balance of the moving parts so as to avoid all possible hammer recoils. Shock absorbers are built into the hammer frame above and below the hammer to avoid transmitting microvibrations to the excavator arm.

Soundproofing

The innovative soundproofing system reduces noise by approximately 50%. This is achieved by using special guide and coating plates which completely isolate the hammer from its frame.

Sealing system

Three seal rings between the cylinder lining bushes and the piston and further seals between the lining bushes and the cylinder offer excellent protection from oil leaks. Low friction type seals are used which do not overheat and have a long service life.

Under water operation

It is possible to use the hammer under water and for under ground mining. Please consult your dealer for instructions.

Piston design

SOCOMECE has designed a long stepped section piston which delivers a very powerful impact to the tool and assures the owner of the highest productivity.

Hydraulic brake

All SOCOMEC hammers have an hydraulic braking system which helps to eliminate blank strokes.

Tool gasket

A large wiper seal on the tool keeps dust out of the lower chamber and helps to keep grease inside the hammer. It also helps to reduce noise levels.



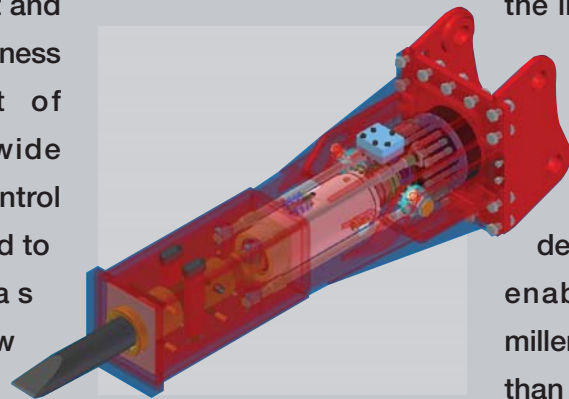
Technical Features

Hammer type	Maximum frequency	Maximum oil flow	Maximum working pressure	Hammer weight in working condition	Tool diameter	Height of hammer with tool w/o plate	Minimum width	Max exhaust back pressure	To be mounted on excavators
	b/min	gal/min	psi	lbs	inches	inches	inches	psi	lbs
MDO 550 TS	600-900	30.8	1850	1853	3.7	78.7	10.4	145	From 26450 to 33000
MDO 750 TS	600-900	37.2	1850	2510	4.5	82.6	11.4	145	From 33000 to 48500
MDO 1450 TS	450-700	43.9	1850	3162	5.0	95.6	13.4	145	From 41900 to 55100
MDO 1950 TS	450-650	53.2	1850	4252	5,5	104.7	15.1	145	From 53000 to 70500
MDO 3200 TS	450-600	72	2150	7056	6,5	18.9	19.3	145	From 77000 to 110000

TS = Stroke variation and energy recovery.

Thanks to more than 30 years of constant work, investments in research and technological developments, Socomec hydraulic breakers are now the most innovative and reliable in their own field. The standing leadership in the Italian market and markets abroad are the best witness achievements on account of ranging top in the worldwide breakers . A severe quality control manufacturing to assembly and to the customer, has challenges of the new ambitious goals. Since more the increasing acquisitions of new to technical and commercial which Socomec is today production of hydraulic of the output processes, from delivery of the finished product to enabled Socomec to take the millennium as just as many new and than four years, Socomec has been awarded the ISO 9002 certification, which is now committed to turn into the prestigious VISION 2000 certification – a further guarantee of the high quality of its product.

Socomec: great technology, yet always and above all great attention over its customers.



MEDIUM-HEAVY RANGE

