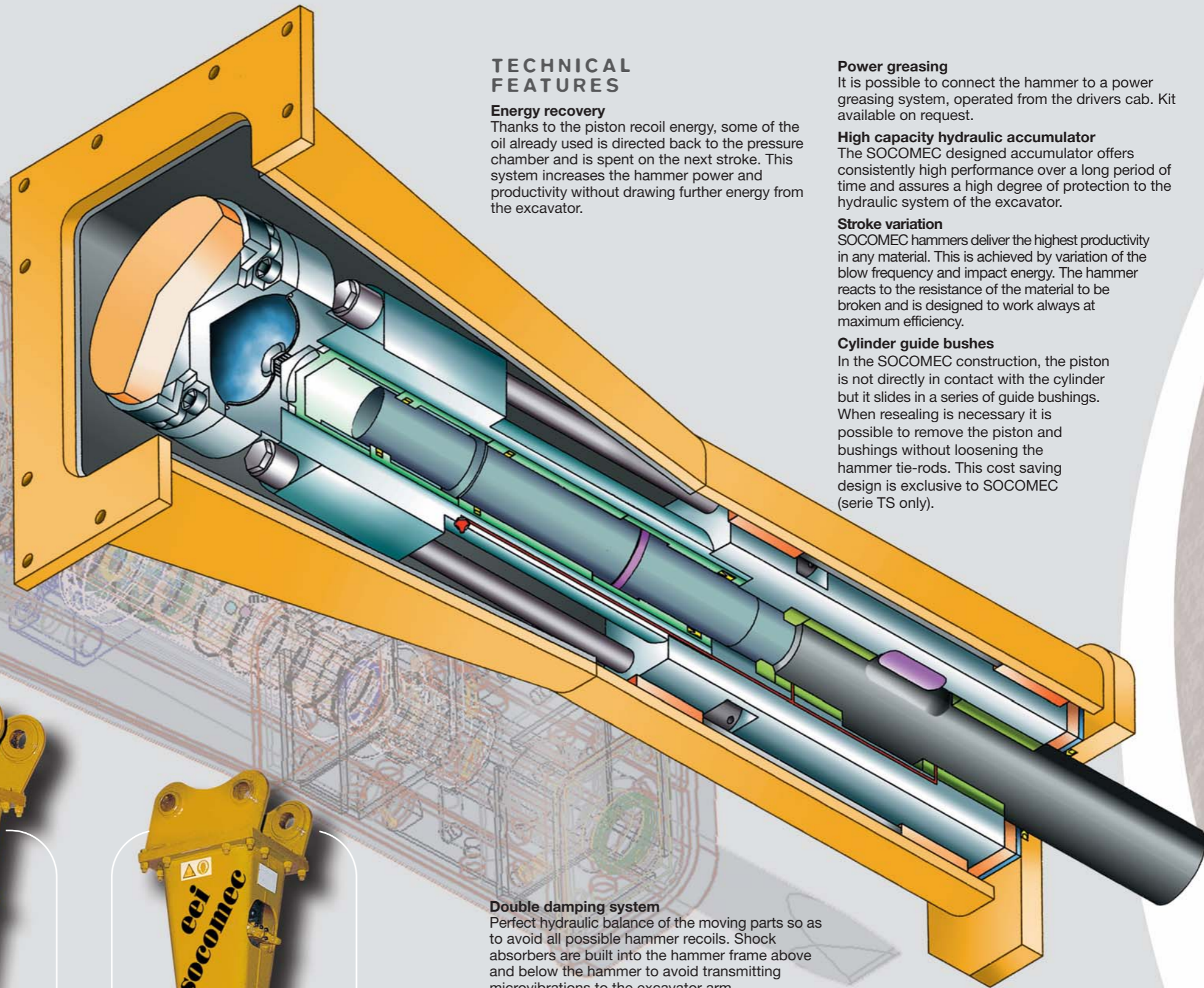


MDO SERIES

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

SOCOMECS 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

SOCOMECS 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.



