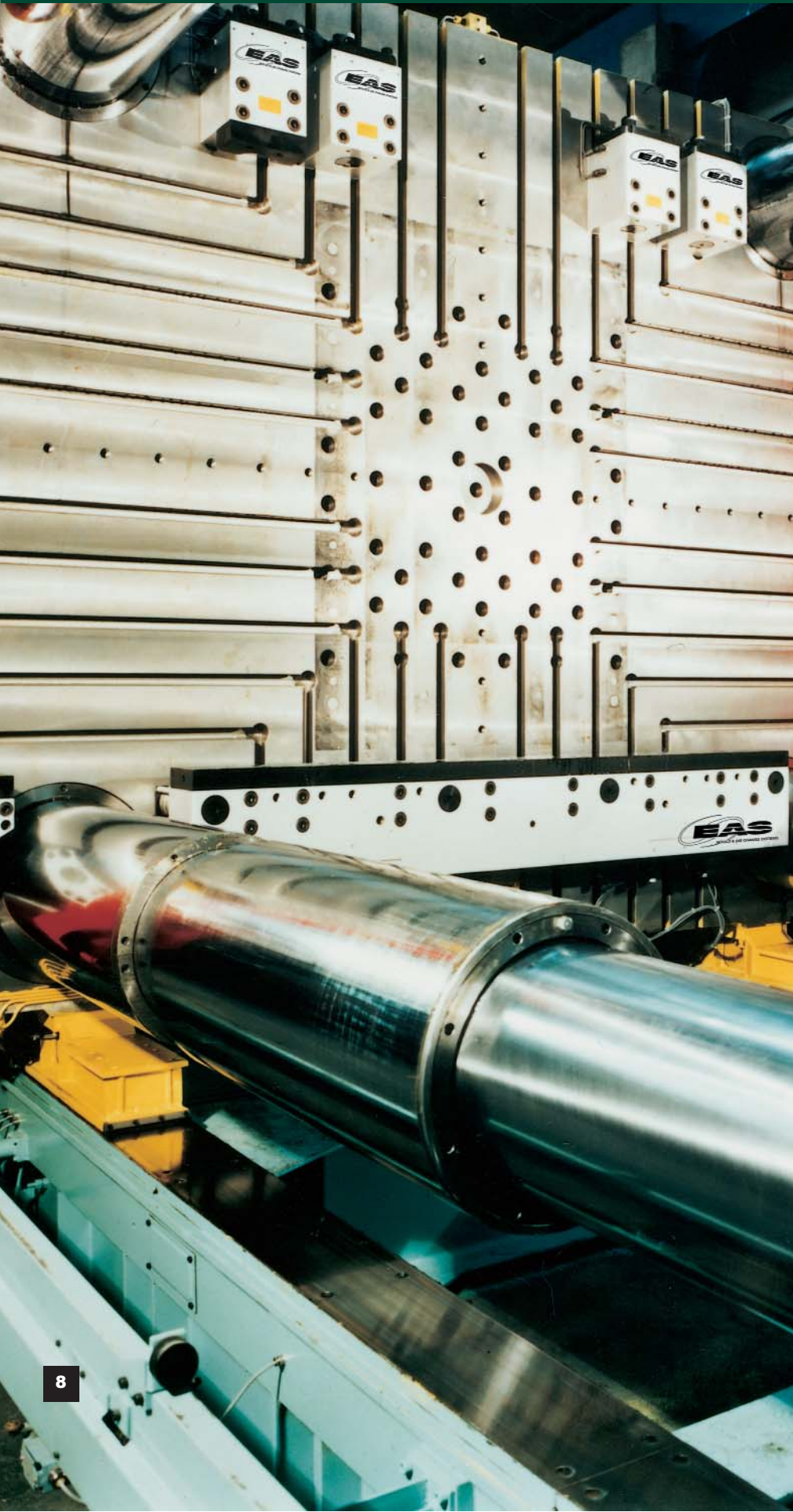


Adaptive hydraulic mould clamping systems



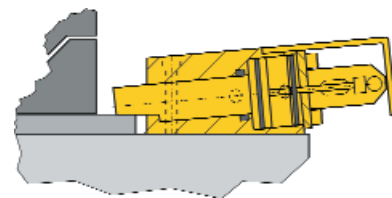
THE IDEAL SOLUTION FOR AUTOMATED QMC SYSTEMS

1.2



Hydraulic clamping is the ideal solution for more automated QMC requirements. Suitable for new or existing injection moulding machines from 50 to 10,000 tonnes capacity.

A typical quick clamping system consists of 4 or more double acting hydraulic clamps, which are mounted to both platens. The clamp plungers are angled at a 5 degrees to provide a self-locking feature. Pressure does not have to be maintained for the clamps to remain locked providing additional safety during the moulding operation.



All these cylinders can be ordered for several backplate heights and mounting screws sizes.

EAS offers two series of self-locking wedge clamps: MOD/WOD/NOD series with the 5 degrees plungers and the WS series, which uses an internal, wedging feature. Both series clamp on flat back plates and come equipped with 2 proximity switches to indicate the clamped and unclamped positions.

The MOD series is the metric version for use on Euromap standard machines and feature metric mounting patterns and BSP oil connections.

The WOD series is the imperial version for use on American SPI standard machines and feature imperial mounting patterns and SAE oil connections.

The NOD series is available for the Japanese market requirements.

The back plates of the moulds that are used with these series of clamps must be standardized because the clamps will be fixed to the platen. Clamps selection is determined by dividing the opening force of the machine by the number of clamps. Example: A machine with an opening force of 800kN (80 t) would need 4 clamps per platen, each with a 200kN (20 t) capacity or the MOD/WOD/NOD 2010.

Clamps are available in the following capacities: 15, 30, 60, 110, 200, 400 & 1200kN.

Standard temperature range: 60° C (140° F)

High temperature seals and proximity switches available on request.

MOD/WOD/NOD SERIES



The WS series clamps utilize an internal wedge system, which allows a greater tolerance on the back plate thickness.

Clamps come equipped with 2 proximity switches to indicate the clamped and unclamped positions. This series of clamp also requires standardized mould back plates.

Clamps are available in the following capacities: 80, 200 & 350 kN.

WS-SERIES

