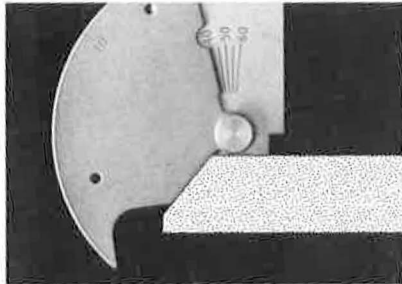


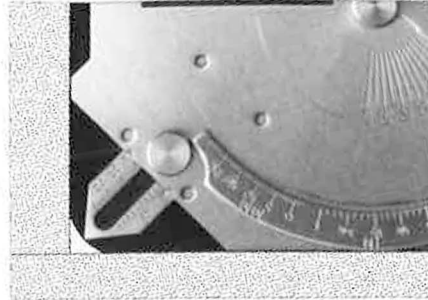
WELD GAUGE

The weld gauge is intended for general dimensional inspection of welded fabrications. It should not be compared in precision with gauges used for measuring machined components and, where a high degree of accuracy is required, machine shop type measuring instruments will need to be used.

ANGLI

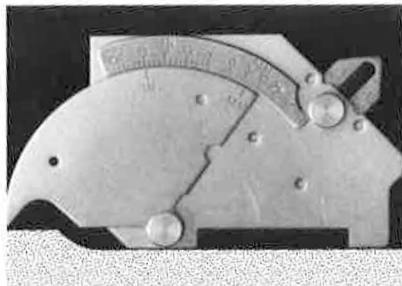


This scale reads from 0 to 60° in steps of 5°. The angle is read against the chamfered edge of the segment.



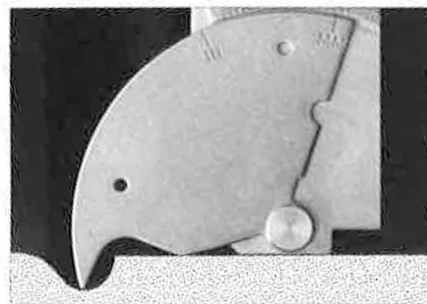
The small sliding pointer reads up to 20mm and 3/4in. In measuring throat thickness it is assumed that the fillet weld has normal root penetration.

MISALIGNMENT



The scale is used to measure misalignment of components by placing the edge of the gauge on the lower one and rotating the segment until the pointed finger contacts the higher piece.

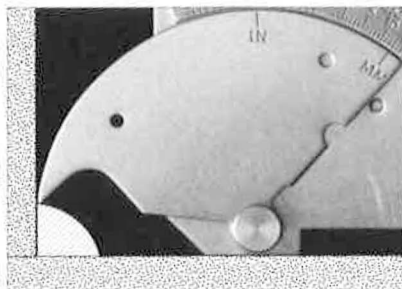
UND



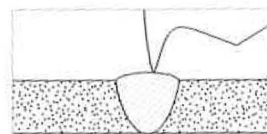
The presence of undercut may be indicated by depressing the pointed finger into the groove. Where this feature must be accurately measured, a special depth gauge will need to be used.

FILLET WEL

LENGTH/EXCESS WELD METAL



The scale is used to read off these dimensions up to a maximum of 25mm and 1in.



GENERAL MEASUREMENT/ROOT FACE AND GAP

Two scales are provided for general measurement purposes, and in particular for checking root face and root gap.

ADJUSTMENT AND MAINTENANCE

The friction pivot and slide are spring loaded and the stiffness may be adjusted by releasing the lock-nut, turning a knurled screw and re-tightening the lock-nut.

Periodically, the moving parts should be dismantled, cleaned and light greased. When not in use the gauge should always be kept in its protective case to avoid damage from dirt and grit.

CALIBRATION

The gauge should be calibrated on delivery and periodically thereafter using a surface plate or other flat surface. Loosen the two screws holding the adjustable scale and place the gauge on the surface. Depress the pointer until it contacts the plate, adjust the scale for zero reading and tighten the screws. Recheck in case the scale has moved during locking.



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