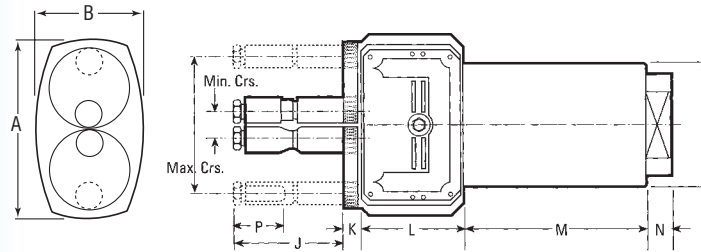


## Front End Attachments – Multiple Spindle Heads

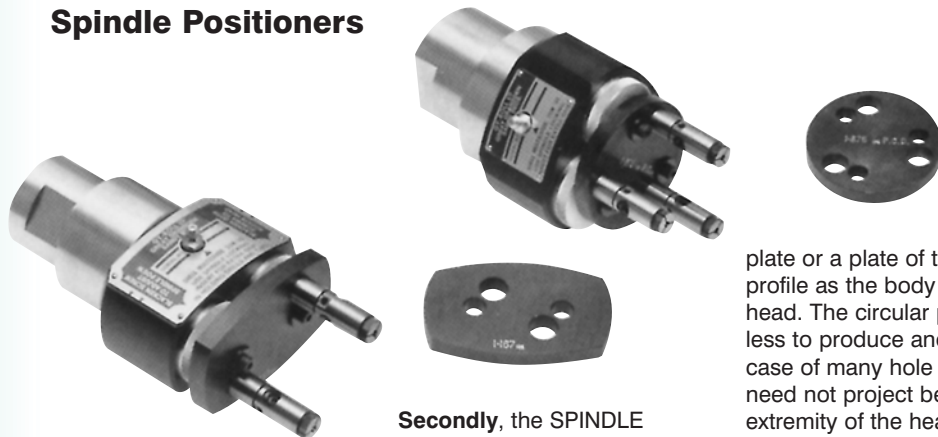
### Dimensions Tapping Heads



Dimension	Series 650	Series 950
J	51	68
K	9	13
L	46	60
M	88	106
N	11.7	16
O	∅ 57	∅ 82
P	24	35
S	83	124
T	52	77

All dimensions in mm

### Spindle Positioners



The SPINDLE POSITIONER is used in conjunction with the adjustable Multi-Spindle Heads and serves three purposes.

**Firstly**, it provides a quick and simple method for positioning the spindles of the twin, three, four and five spindle heads. It is particularly useful in the case of the three spindle head when the spindle positions are not equally spaced on a common P.C.D.

**Secondly**, the SPINDLE POSITIONER prevents any possibility of the spindles moving when the head is in operation since it is firmly bolted and located on to the head.

**Thirdly**, where alternative positions are required the spindles can be rapidly switched from one position to another to considerably reduce set-up time.

The SPINDLE POSITIONER may consist of either a circular

plate or a plate of the same profile as the body of the head. The circular plate costs less to produce and in the case of many hole patterns it need not project beyond the extremity of the head. Where the spindle positions are approaching their maximum centre distances the circular plate may then be of a diameter that would project beyond the extremity of the head. This would occur more often in the case of the Twin Spindle Head and therefore if for some reason this projection is inconvenient to the work set-up, a profile plate can then be provided which conforms to the shape of the head and therefore does not project beyond the outline of the head.

**We will be pleased to quote for your specific requirements on request**