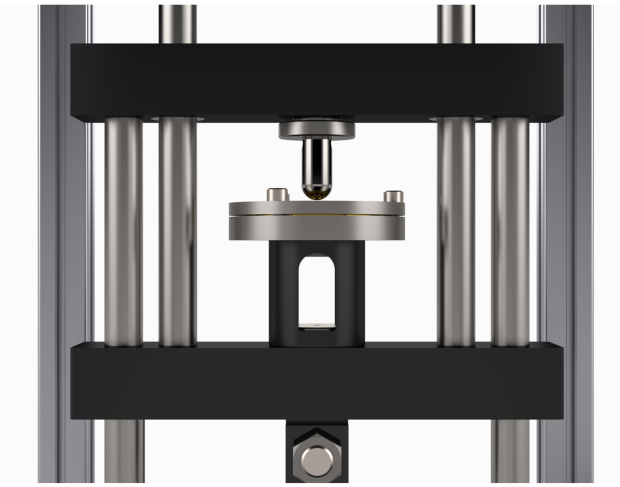
DEEP DRAW TEST SET
HSM58p



Features
- Deep draw; ‘cupping’ experiment
- Optional experiment for HSM58
- Punch, die and die holder supplied
- Punch and specimens to BS EN ISO 20482:2003
- Specimens in aluminium and brass supplied
- Specimens available separately

Description
All parts of this experiment sit between the compression area of the HSM58 apparatus (not supplied). A disc specimen is clamp firmly on top of a hardened die, and it is then raised onto a punch. As all three parts come into contact, the punch starts to move into the die, taking disc material with it, and forming a cupped shape. Two sets of specimen discs are supplied, in copper and aluminium. Tools are supplied, along with grease lubricant.

Related Laws/Applications
- Sheet metal forming
- Plastica deformation
- Cupping
- Deep drawing
- Manufacturing

Learning capabilities
- To obtain a value for the samples so that a comparison can be made to determine the suitability of the sample for the drawing process.
- To use the Erichsen cupping index value as well as other results obtained from the experiment to compare samples and their properties.

Technical Specification
- Punch and specimens comply with BS EN ISO 20482:2003
- Test specimens: Ø90mm x 1mm thickness

Essential Ancillaries
- HSM58

Recommended Ancillaries
- HSM58Q

What's in the Box?

- 1 x Punch
- 1 x Die
- 1 x Pressure ring
- 1 x Grease
- 10 x Aluminium specimens
- 10 x Brass specimens
- Instruction manual
- Packing list
- Test sheet

Essential Services

- HSM58

Ordering information

To order this product, please call PA Hilton quoting the following code:
HSM58P

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