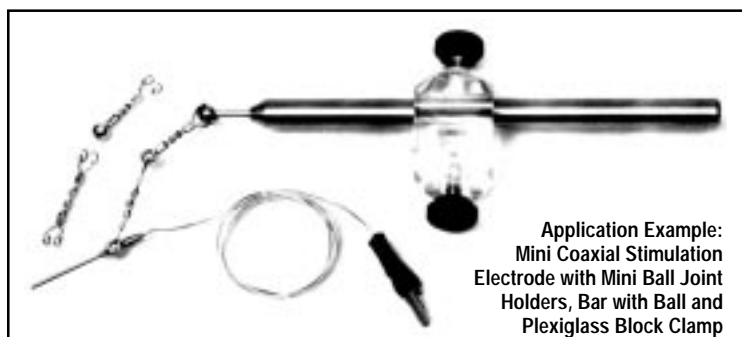


HSE-Harvard Mini Ball Joint Holder



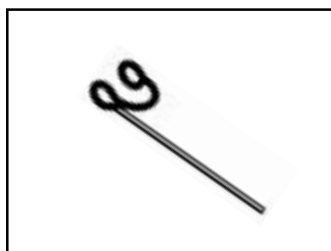
Mini Ball Joint Holder (Eye-Eye),
35 or 45 mm Length



Link for Higher Loading Capacity for
2 Arms with Balls, 20 mm Length



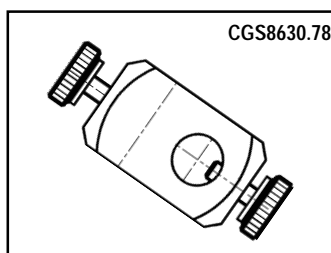
Mini Ball Joint Holder (Ball-Ball),
15 mm Length



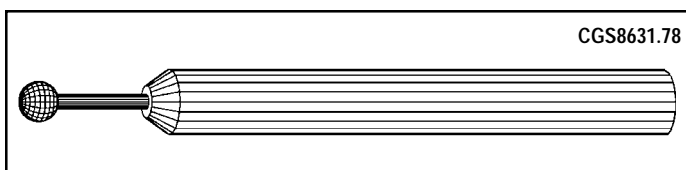
Universal Holder with Eye and Free
End for Fixation, 20 mm Length



Mini Ball Joint Holder (Eye-Ball),
20 or 25 mm Length



Plexiglass Block Clamp for Mounting



Bar With Ball for Mounting on Stand, 8 x 140 mm (OD x L), Ball Size = 5 mm

Experiments on isolated organs and tissues require the use of clamping devices for locating cannulae, probes and sensors in the correct position relative to the preparation. With the reduced size of modern murine preparations there is now a need for more sensitive devices, light in weight, freely adjustable, and requiring minimal force for adjustment.

HSE-HARVARD mini holders consist of arms 20 and 30 mm long which carry a ball at one end and a wire clip (eye) at the other. Several arms can be clipped together and the ball joint allows the holder to be moved into any configuration. Arms with special terminations are available to carry electrodes, mount flow probes or support intracardial balloons. A high-flexibility mount for crystal pickups maintains contact with the surface of the organ during its intrinsic movement.

All holder elements are made from stainless steel. The special design of ball joint ensures minimum size and permits perfectly smooth operation without any trace of spring-back. Mini holders remain rigid while carrying weights up to a few grams and are suitable for supporting tubing and small components.

Mini ball joint holders are ideal for use on small operating tables and especially inside small organ chambers where space is extremely limited. There are complete kits available for measuring isovolumetric IVP balloon pressure in mice hearts, ECG detection from mice hearts and stimulation of mice hearts. Other possibilities are: mounting of small flow probes on open chest experiments in mice or rats, mounting of cannulas on small isolated organs like liver, kidney, lung, hearts. A lot of further applications are possible.

Catalog No.	Product
CGS 8630.78	Plexiglass Block Clamp (T18030) for Mounting Bar on a Stand
CGS 8631.78	Bar with Ball (T16509), for Mounting on a Stand, D=8 mm, L=140 mm, Ball Size=5 mm
CGS 8632.78	Mini Ball Joint Holder (T32045), Eye-Eye, L=30 mm
CGS 8633.78	Mini Ball Joint Holder (T32051), Eye-Eye, L=45 mm
CGS 8634.78	Mini Ball Joint Holder (T32039), Eye-Ball, L=20 mm
CGS 8635.78	Mini Ball Joint Holder (T32040), Eye-Ball, L=25 mm
CGS 8636.78	Mini Ball Joint Holder (T16541), Ball-Ball, L=15 mm
CGS 8637.78	Link for Higher Loading Capacity (Z88002), for Two Arms with Balls, L=20 mm
CGS 8638.78	Universal Holder (T32050) with Eye and Free End for Fixation of Ultrasonic Crystals, ECG Electrodes, etc., L=20 mm