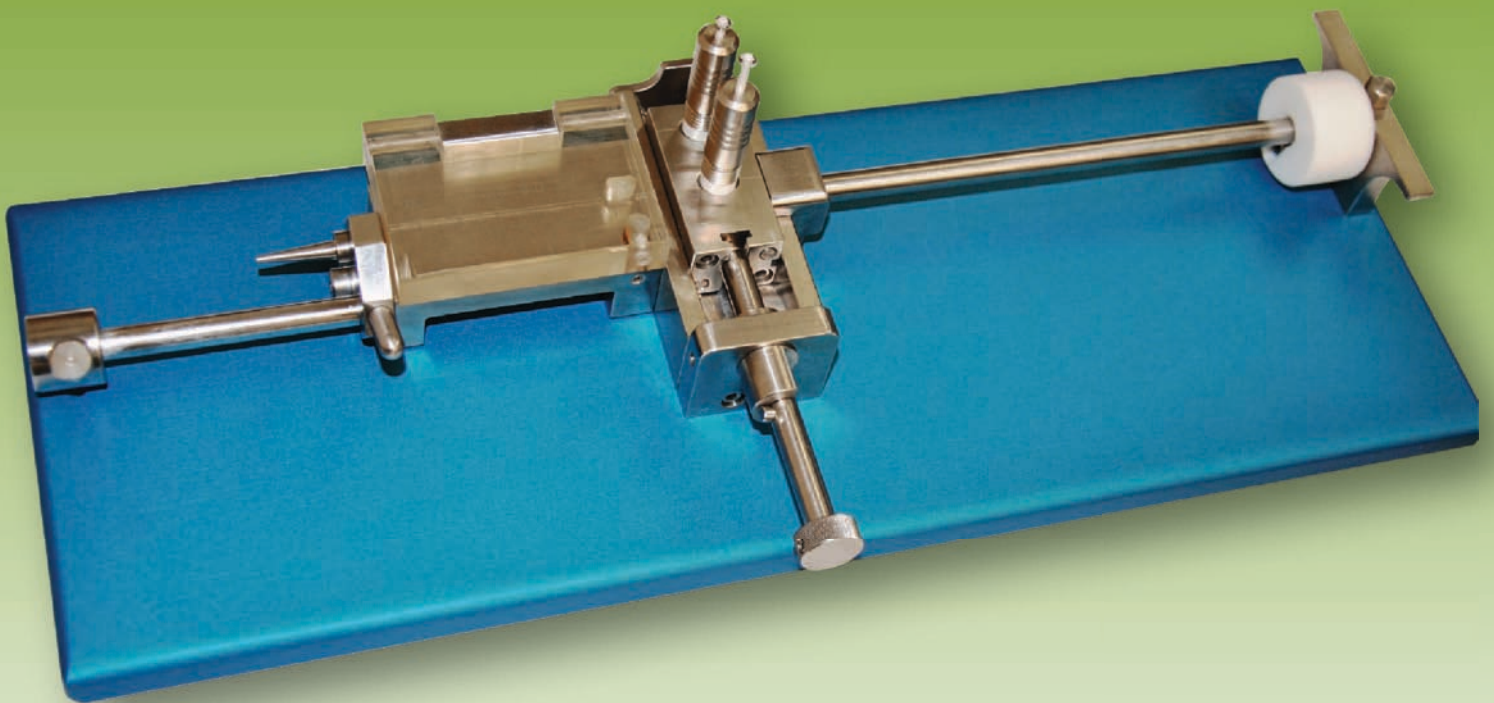


Best[™] *medical international*



Best[™] Needle Loading Fixture

For use with Best[™] Seeds & Spacers – Loose & in Strands



Best™ Needle Loading Fixture

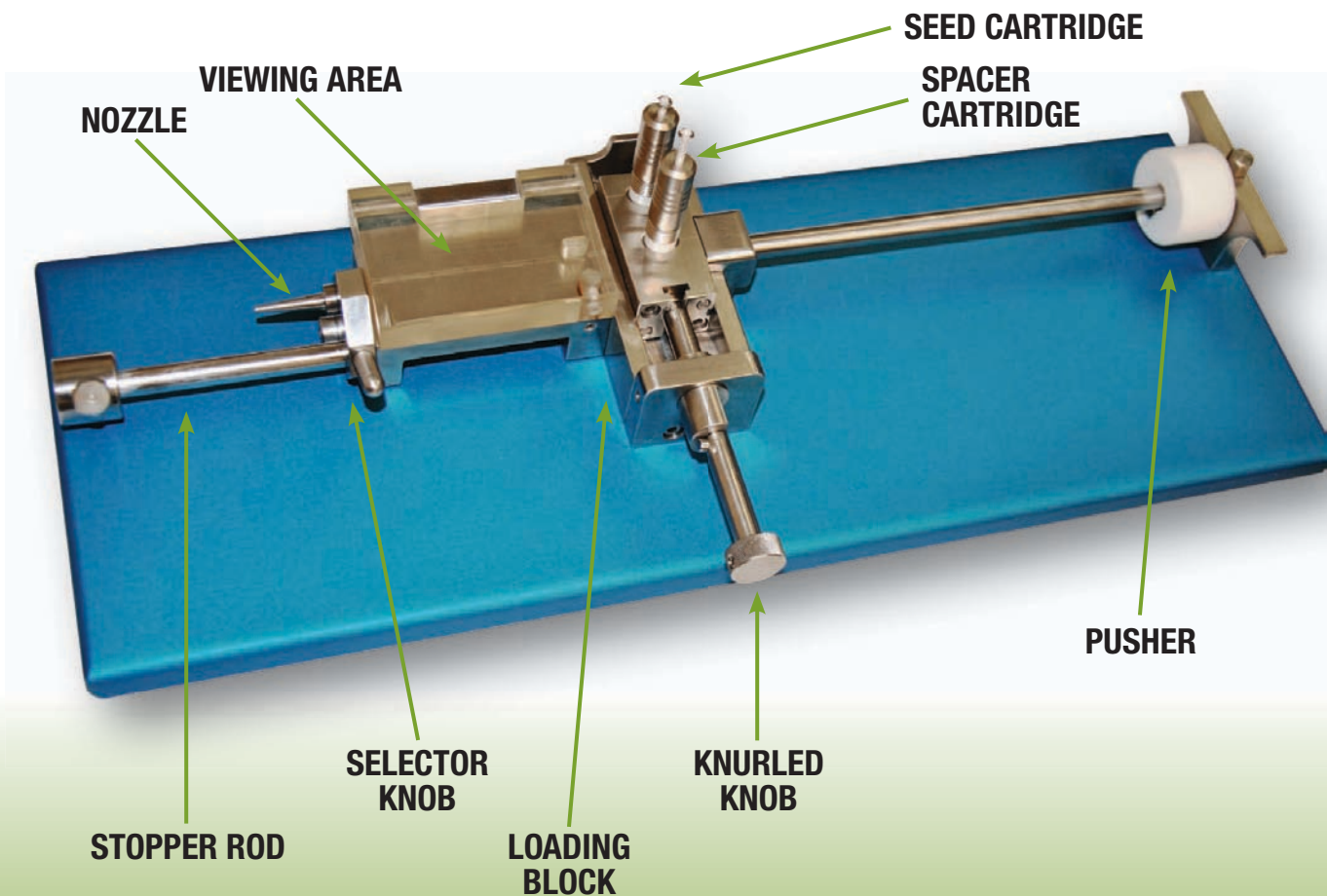
The Best™ Needle Loading Fixture is a stainless steel device used to assist the loading of needles with seeds and spacers – loose or in strands.

The fixture consists of two marked slots to insert the cartridges (one containing seeds and one containing spacers). The seed or spacer can be selected by pushing the knurled knob on the front of the fixture to the corresponding position as determined by the dead stops. The seeds or spacers are pushed into the viewing area, which consists of a lead acrylic shield, by moving the pusher to the left. The selector on the left of the

fixture consists of a stopper rod in one position and a nozzle (to put the needle for loading) in the other. The seeds and spacers or strands are pushed into the needle through the nozzle at the end of the fixture.

Sterilization

The fixture can be sterilized in the Autoclave by using the same cycle as used for any other stainless steel instruments in the hospital. Or use the normal cycle (121 degrees C at 15 psi for 15 to 30 minutes) or the flash cycle (133 degrees C at 30 psi for about 4 minutes).



Loading Process

- Place the cartridges containing the seeds and the spacers in their respective slots and make sure that they are pushed all the way in. [Figure A]
- Attach a needle at the end of the fixture by sliding it over the nozzle. [Figure B]

For Loose Seeds and Spacers in Needles:

- Position the nozzle, holding the needle, in the loading position.
- Based on the loading pattern, use the knurled knob in front of the fixture to select the seed or spacer and push it in the viewing area by moving the pusher to the left. [Figure C]
- Pull the pusher all the way to the right after the seed or spacer is transferred to the viewing area.
- Repeat the process again for all seed and spacers for that particular needle. Verify the loading pattern by viewing through the lead acrylic.
- Slide the pusher all the way to the left. This will push the seeds and spacers into the needle. Carefully remove the needle from the nozzle and insert the stylet into the needle making sure that it does not push the seeds out of the needle.
- Repeat the process for all the other needles. If and when the seeds or spacers are finished in the cartridge, replace the cartridge with a filled one.

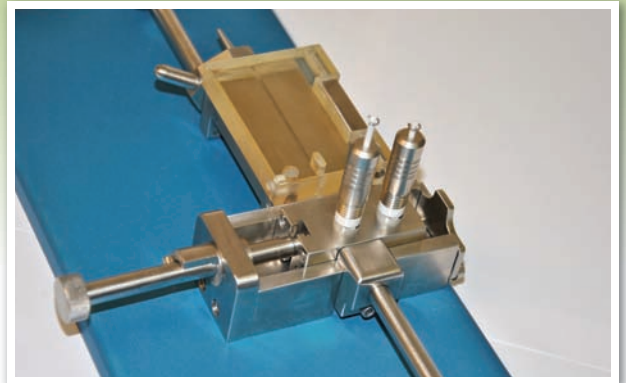


Figure A

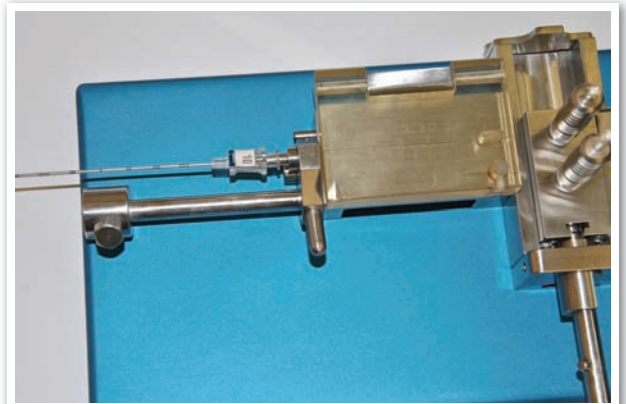


Figure B

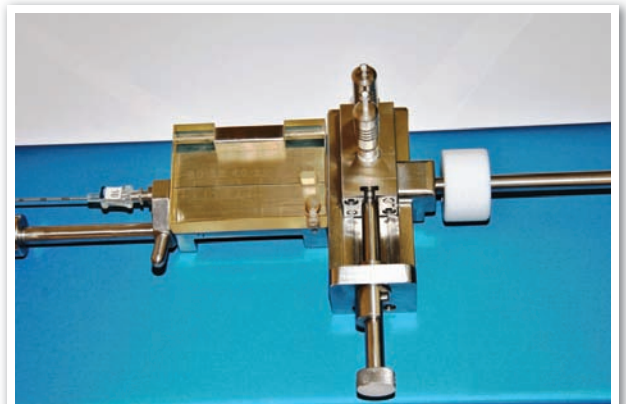


Figure C

NOTE: The loading pattern should be verified in the viewing area prior to loading in the needle.

CAUTION: Follow all radiation safety precautions. DO NOT use excessive force to push the seeds or spacers to prevent damage.



For Loading Seeds and Spacers in Strands:

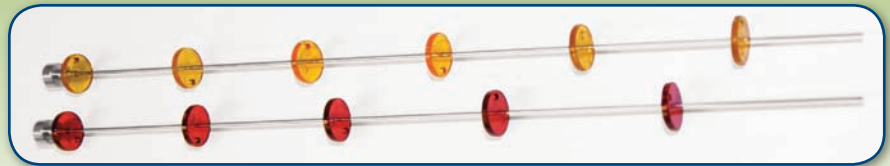


Figure D

- Strands are provided sterile on wires with color coded buttons to separate them. The color of the buttons indicates the size of the cut strand in half centimeter increments. [Figures D & E]
- Based on the loading diagram select the size and slide one strand out by pushing the corresponding colored button out.
- Gently place the strand in the slot in the viewing area after lifting the Lead acrylic shield. Verify the length of the strand with the scale on the viewing area.
- Slide the stopper rod (on the left of fixture) and push the strand gently against the loading block. Lock the stopper rod in place by using the thumbscrew. [Figure F] This will prevent the strand from moving when seed/spacer is loaded in it.
- Based on the loading pattern, select seed/spacer position on the loading block and push them inside the strand by sliding the pusher to the left.
- Repeat the previous step till all the elements for that needle are loaded inside the strand.
- Verify the loading pattern and if satisfied, unlock the stopper rod and pull all the way out of the viewing block by sliding to the left.
- Turn the selector knob, on the left, to needle loading position.
- Push the strand to the left about 1 to 2 centimeter, so it clears the slot on the lead acrylic glass, by sliding the pusher to the left.
- Drop one trailing spacer (provided loose sterile) in the slot on the lead acrylic shield and verify that it is in position in the slot. [Figure G]
- Carefully slide the strand inside the needle by moving the pusher all the way to the left.
- Remove the needle and using a stylet push the strand all the way till it hits the bone wax plug taking precaution not to push the strand out of the needle.
- Repeat the steps for all the remaining needles. If and when the seeds or spacers are finished in the cartridge, replace the cartridge with a filled one.

STRAND SIZE CHART	
Clear	1.5 cm
Black	2.0 cm
Green	2.5 cm
Blue	3.0 cm
Yellow	3.5 cm
Red	4.0 cm
Purple	4.5 cm

Figure E

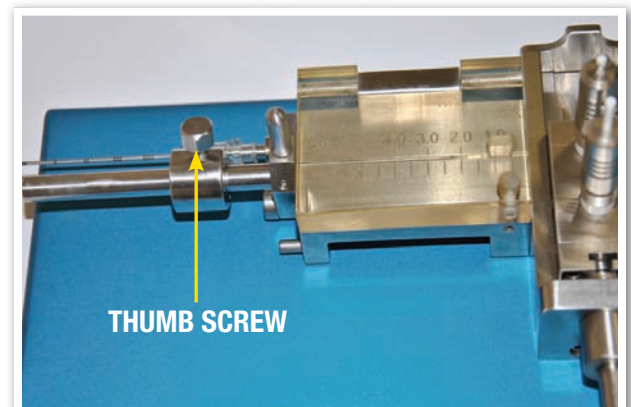


Figure F

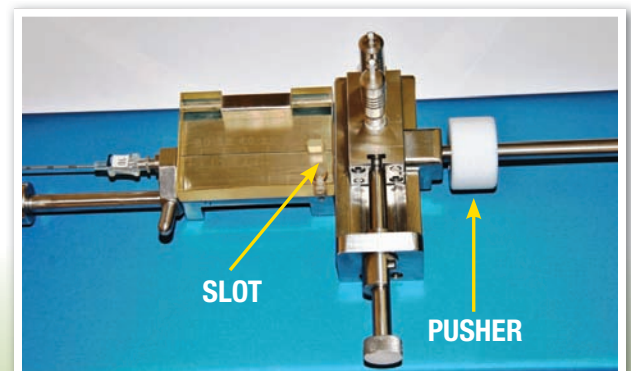


Figure G

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