AcryLock the resin attachment

AcryLock is a plastic rod attachment, which can be coupled up to a double groove stressbreaker called IS (Integrated Stressbreaker). The acrylic patrix volatilises completely during the heating up of the muffle and is oversized with 0.04 mm to get the correct size after working out and polishing for the acrylic matrix. The matrices are available in three different dimensions to adjust the friction.

Green Matrix: normal friction  
Yellow Matrix: medium friction  
Red Matrix: high friction

Based on the shaping of the matrix with a retention point, the changing of the friction inserts is very simple without spending a lot of time for shortening and fitting in.

Because of the stability only the use of alloys with a 0.2% yield strength of 500N/mm² or more is permitted.

Original ZL instruments and accessories are necessary in order to use the ZL-precision attachments successful. The ZL-Starter-kit No. 4382 contains all instruments for using AcryLock.

Order-No. 4314
Contents:
- 10 pcs. Integrated Stressbreaker
- 10 pcs. Patrix
- 6 pcs. Matrix green, normal friction
- 6 pcs. Matrix yellow, medium friction
- 6 pcs. Matrix red, high friction

Order-No. 4315
Contents:
- 10 pcs. Patrix
- 10 pcs. Matrix green, normal friction

Order-No. 4316
Contents:
- 10 pcs. Integrated Stressbreaker
- 10 pcs. Patrix
- 10 pcs. Matrix green, normal friction

Order-No. 4317
Contents:
- 6 pcs. Matrix green, normal friction

Order-No. 4318
Contents:
- 6 pcs. Matrix yellow, medium friction

Order-No. 4319
Contents:
- 6 pcs. Matrix red, high friction

Order-No. 4382
Contents:
- 1 pc. Paralleling mandrel No. 750
- 1 pc. Insertion pin No. 709
1. Put the patrix and the *IS together and close the connection gap with wax.

2. By using parallel holder No. 750 connect both with the crown wall. If necessary you can shorten it at the basal surface.

3. Pay attention to the 0.2% yield strength of your alloy.

4. Invest your wax-up crown and cast as usual.

5. After finishing the crowns, polish the patrix to produce a smooth, glossy surface. Do not mill.

6. Work out the two grooves of the IS with a parallel cutter Ø 1,0 – 1,2 mm.

7. Use always the green matrix for duplication. Block out the underside of the attachment…

8. …and the gaps between matrix and patrix on the top and at the sides.

9. Investment model with IS

10. Coat the area indicated for the matrix and the *IS with a wax layer approx. 0.5 mm thickness. Cast it as usual.

11. Finished model cast framework. Don’t damage the retention point for the matrix!

12. Insertion instrument No. 709 with a green matrix. Pay attention to the position of the retention point!

13. Push the matrix into the model cast framework until it clicks into place.

14. To reduce the friction you always have to polish the patrix.

15. Complete the denture as usual.

16. Finished denture with the green matrix inside.

*IS = Integrated Stressbreaker