

DENAR® Centri-Check System For Mark 300 Series Articulators Instructions for Use



This version of the Centri-Check can be used with the Denar® Mark 300 Series articulators.

The Centri-Check System uses a set of precision recording inserts which permit continuous tracking of condylar position on the same reusable record. It can be removed and filed in the Centri-Check Patient Recording Kit or with the patient's models. When reused, it is compared with previous recordings on the millimeter graph showing movement or stability in the temporomandibular joints.

The Centri-Check System provides:

- Comparative condylar joint position.
- Verification of centric relation records.



Step One

Mount the patient's maxillary cast on the articulator using a Slidematic Facebow. The mandibular cast is then mounted with centric relation bite record.

NOTE: For accuracy in comparative recordings, the facebow must be accurately related to the condylar axis. An earbow is also acceptable for most analysis if comparative bite records are taken at the same vertical dimension.



Fig. 1

Step Two

Remove the maxillary cast from the upper bow of the articulator and attach to the Centric-Check. (Figure 1)

Step Three

Slide the recording inserts into each side of the Centric-Check. Note the left (L) and right (R) designations are indicated on the pairs of recording inserts. Verify that each insert is firmly placed in the slot to coincide with the patient's left and right. (Figure 2)

NOTE: The screws at the back of the Centri-Check bow have been pre-set to hold the

recording inserts in place. After extended use they may require tightening with the provided wrench.

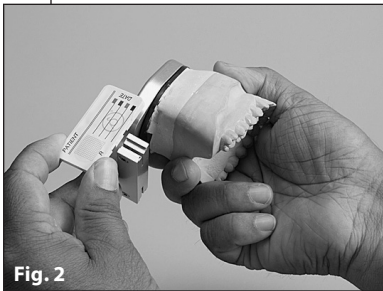


Fig. 2

COMPARATIVE CONDYLAR RECORDINGS

Step One

Place a 'carefully made' centric relation bite record on the mandibular cast. It must fit precisely. The bite record should be made of a wax or compound firm enough so that it will not distort under firm pressure from the casts.

Step Two

Remove the elastic retainers from the condyle ball shaft. Place the styli on both sides of the condyle. (Figure 3)



Fig. 3

Step Three

Seat the maxillary cast on the bite record. Make sure that it does not rock. The casts must be held firmly in place during the recording procedure. (Figure 4)

Step Four

While stabilizing the casts with firm hand pressure, perforate the millimeter graph (12 millimeters square) with the styli. The pin will make a needle point dot on the graph. (Figure 5)

Step Five

Using the four-color Centri-Check pen (or colored articulating ribbon), color the dot to match the colored box (sequence is red, blue, green and black) on the entry recording line of the label. For example, the first entry recording line has a red box. Record the first recording date on that line and color the first dot with red. (Figure 6)



Fig. 4

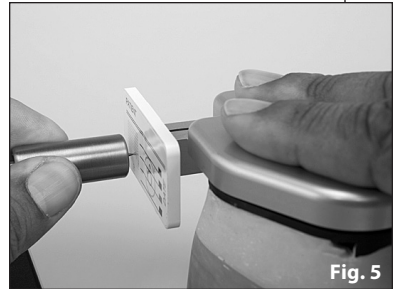


Fig. 5

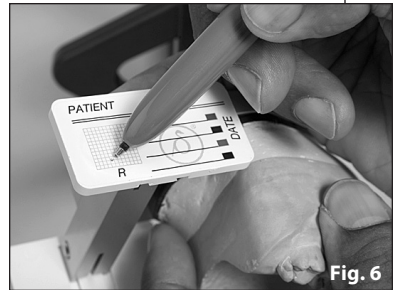


Fig. 6

VERIFICATION OF CENTRIC RELATION RECORDS

After obtaining two or more centric relation bite records, use the Centri-Check to determine if condyle position is the same for each bite record. A comparison of joint position can be made for each bite record.

Step One

After casts are mounted in the articulator in the conventional manner, the upper cast is removed and attached to the Centri-Check. Using a centric relation record the casts are occluded. (Figure 7)



Fig. 7

Step Two

Insert a new set of recording inserts for comparison of bite records. Insert the first bite record. Stabilize the casts by using firm hand pressure. Perforate the inserts with the recording styli. Remove the first bite record.

Step Three

The casts are occluded using the second centric relation record. Again the recording styli perforate the insert. If the points of contact are the same, the probability is that both bite records are valid, confirming accurately mounted casts.

If the styli contact at different points, color the second set. If the first two records do not coincide, a third record is tried in the same manner. (If the three bite records do not match, additional records should be taken of the patient and verified.)

Replacement Recording Flags

Item No. 180045 Replacement Recording Flags (10 pair).
Order online at www.whipmix.com or by calling our toll-free number: 800-626-5651.



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