VIKTOR fürgut

EXCLUSIV-MEASURING-SET

by VIKTOR FÜRGUT

Profile Compass | Measuring Compass
Occlusal Plane Indicator chrome-plated
Modeling Instrument

EXCLUSIV-MEASURING -SET
by VIKTOR FÜRGUT

Foreword

Dear user,
sometimes does it take a little longer until getting active to relieving from improvisation. Many similar instruments like the ones in this set some one can find manufactured and traded in dental industry, do-it-yourself stores or stationery shops. But unfortunately these articles are only good in limits. They must get modified and often enough they have only a short life time in the workaday of a dental lab.

Currently with partial- and full denture restorations is it essential to offer optimal support to the dental surgeon. Bite registrations or denture settings manufactured with specifications of average values measurements are very helpful and time efficient. To level out the occlusal plan and its Bio-logically correct forming is condition precedent for the function of denture restorations.

With partial- and full dentures which are more and more implant worn it is indispensable to designing artificial gingiva naturally like. With a wrong instrument when already making the wax modulation this standard can't get fulfilled anymore.

The present measuring set is made of very high quality components. It therefore will assist you during your daily work for many years. It occurred by my long working experiences of nearly 30 years in commercial dental laboratories. And finally my work as course instructor was the decisive factor to create and manufacture this measuring set. Especially when I found out that my requirement of an optimal manufacturing of tooth restorations are the same as of my course participants.

Viktor Fürgut
Email: info@viktor-fuergut.de
Web: www.viktor-fuergut.de


fig.: 1


fig.: 2


fig.: 3

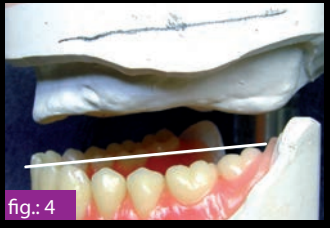
fig.: 4

PROFILE COMPASS

The PROFILE COMPASS will be taken for the model analysis to transmit and mark the sagittal run of the upper- and lower jaw ridge onto the sidewalls of the working models (fig.:1 and 2).

Commonly the first lower molar is placed above the lowest profile point of the ridge. The size of the posterior tooth garniture should be selected accordingly.

Picture no. 3 shows the transmission oft the Camper's plane onto the model socket. The wax rim should to get parallelized before by the treating dentist. Now the occlusal plane has to run parallel to the Campers plan (fig.: 4)

It's to pay attention to guide the compass always with 90 degree angle towards the model. The adjustment with the hand wheel enables a very precise guidance of the PROFILE COMPASS.

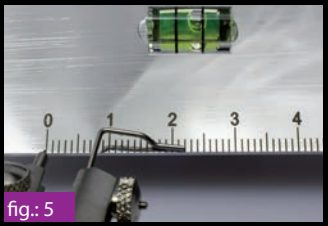

fig.: 5


fig.: 6


fig.: 7


fig.: 8

MEASURING COMPASS

The MEASURING COMPASS will be taken to manufacture the bite registration. Average value specification for dimensioning and molding the wax rim can be transferred from the millimeter gradation of the OCCLUSAL PLANE INDICATOR (OPI) to the wax rim.

Thanks to the specific design of this compass an exact measurement can be carried out from the mucolabial fold beside the labial frenula up to the incisal line.

In case of missing exact measuring data for setting up the upper- and lower anterior teeth can they now easily get completed by the help of the MEASURING COMPASS. The distance from first central incisor of the upper jaw to the lowest point of the mucolabial fold beside the labial frenula, measures about 20 - 22 mm.

At the lower jaw the distance measures about 18 - 20 mm.


fig.: 9


fig.: 10


fig.: 11

OCCLUSAL PLANE INDICATOR (OPI)

The OCCLUSAL PLANE INDICATOR (OPI) will be used for setting up of the lower- anterior and posterior teeth. It marks the occlusal plane and when checking the correct setting of the lower teeth it just needs to fit on them. The denture setting mirrors than onto the OPI by „touching" the lower anterior teeth and the both disto-buccal cusps of the second lower molars (fig.: 9).

The OPI is equipped with a "bubble level" in order to control the horizontal setting up (fig.: 10). By correspondent mounting of the models into the articulator runs the occlusal plane parallel towards the bi-pupillary line as well as to the desk plane. A further use of the OPI can be found for the model analysis. To locate the main load line it has to get point marked on the model from the middle of the trigonom retromolar pads to the area of the lower canines/first premolars (fig.: 11).

On the upper model it has to get marked the mid of tuber and the position of canines. These points are to connect with the help of the OPI and to get transferred and marked on the model base. In average one quadrant of posterior teeth is fitting on this main load line. For the most part premolar teeth are still vestibular positioned to the main load line whereas on this line molars mostly are centrally positioned.


fig.: 12

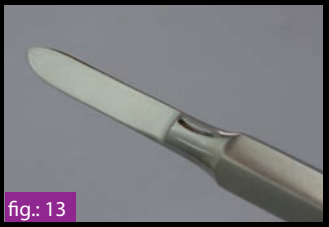
fig.: 13


fig.: 14


fig.: 15


fig.: 16

MODELING INSTRUMENT

It is especially made for the modulation of artificial gingiva. Thanks to a smooth edging design of cutter, knife point and scraper will the teeth not get bruised or scratched during wax modulation (fig.: 12). Through its very light weight this instrument is very handy and also applicable as supporting-tool when setting-up teeth.

The knife point got a very flat phase-out design (fig.: 13) and through this it allows a naturally looking interdental modulations. When cleaning the teeth from wax with the cutter of this MODELLING INSTRUMENT the tooth surface will remain undamaged.

The scraper has also got a flat phase-out design (fig.: 14) without being sharp-edged. This helps to archive a modulation in a fluent and mild trim of rims and grooves which are occurring when cutting out teeth from wax. That's one way to texture with more or less pressure on this instrument and easily getting a naturally like gingiva appearance (fig.:15 and 16).

VIKTOR fürgut

EXCLUSIV-MEASURING -SET

by VIKTOR FÜRGUT

CONSISTS OF:

PROFILE COMPASS

Utilization:

- to transfer and mark the Camper's line from wax rim of the bite registration onto side wall of the model base
- to transfer and mark the sagittal jaw ridge contour onto side wall of the model base

MEASURING COMPASS high-class

Utilization:

- checking and measuring of average values of data when making bite registrations for partial- and full denture prosthetics
- setting–up upper- and lower anterior teeth for partial- and full denture prosthetics
- according to average values of data

OCCLUSAL PLANE INDICATOR (OPI) Stainless steel chrome-plated with millimeter gradation

Utilization:

- Checking the occlusal plane when setting-up the lower posterior teeth
- (lower anterior teeth and both of disto buccal cusps of lower second molars touching OPI)
- for a correct horizontally leveled tooth set-up of lower jaw by the use of "bubble level"
- to take up average values of data from millimeter gradation
- using as ruler for model analysis

MODELING INSTRUMENT specialized for gingiva modulation

Utilization:

- for modeling a naturally like appearance of the gingiva
- supplementary instrument for setting–up denture teeth

Contact:
VIKTOR fürgut
Hochbergstraße 49
88213 Ravensburg (Germany)
www.viktor-fuergut.de
Email: info@viktor-fuergut.de