

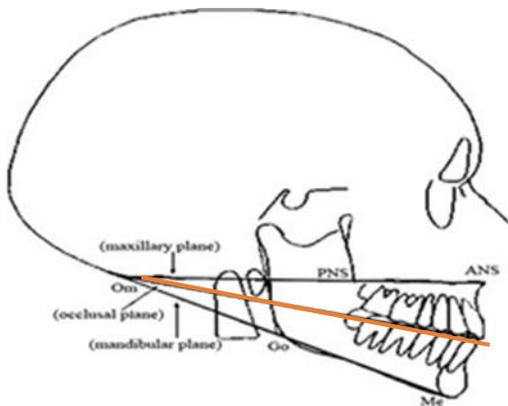
## Occlusal rim (bite rim):

It is an occluding surface that built on record base for the purpose of maxilla-mandibular record and teeth arrangement

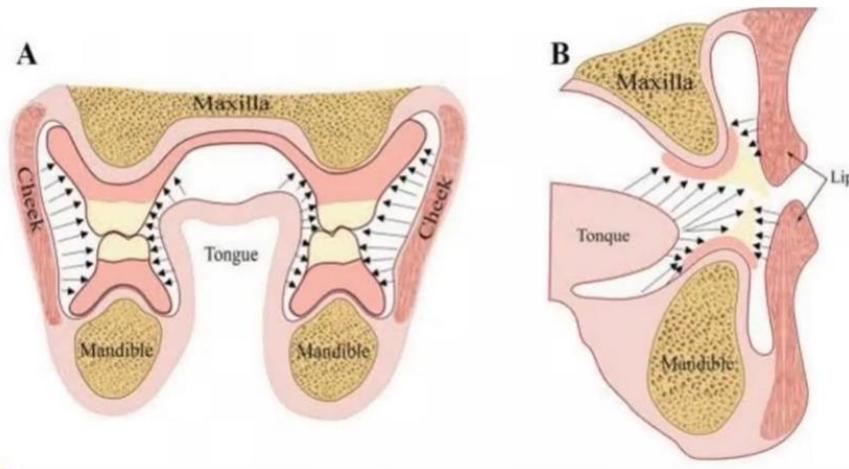


The occlusal rims are used to establish :

1. The level of the occlusal plane



2. The neutral zone or arch form which related to the activity of the tongue, lips and cheek.



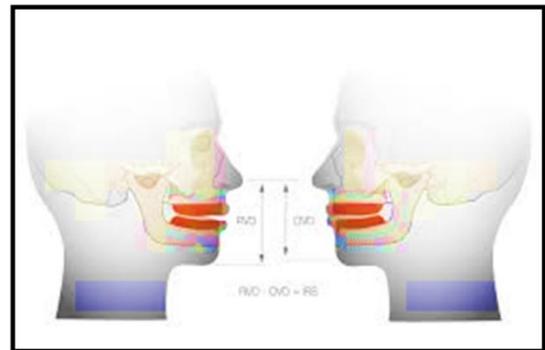
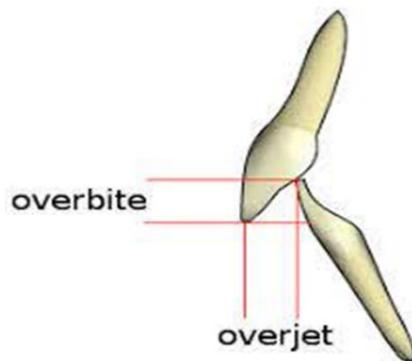
3. The preliminary maxilla mandibular record which include the vertical and horizontal relationship and an estimate inter occlusal distance
4. It restores the facial contour



## The orientation of the occlusal rim

The occlusal rims inserted into the patient mouth after that the following factors are checked

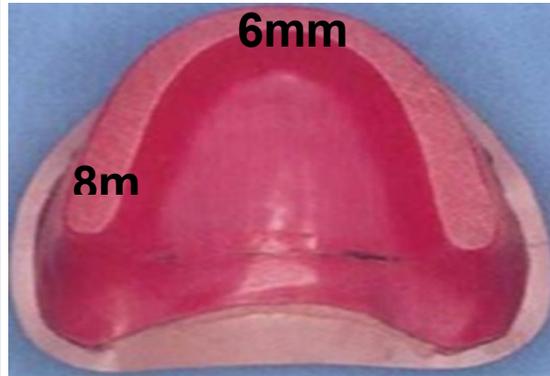
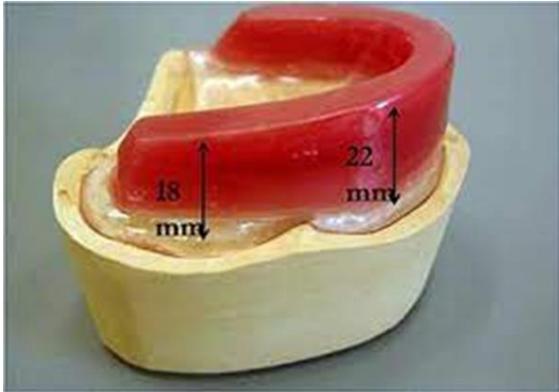
- 1.Lip support and labial fullness
- 2.overjet
- 3.cheek support and buccal fullness
- 4.The level of the occlusal plane
- 5.orientation of plane of the occlusion



## The upper occlusal rim

The anterior height of the maxillary occlusion rim should be 22 mm from the depth of the labial sulcus to the central incisor area.

1. The posterior height is 18 mm from the depth sulcus
2. The width of the anterior teeth (6mm) and the width of the posterior teeth (8mm).



## The lower occlusal rim

- 1.The anterior height of the mandibular occlusion rim should be 18 mm from the depth of the labial sulcus to the central incisor area.
- 2.The posterior height is 18 mm from the depth sulcus
- 3.The width of the anterior teeth (4mm)and the width of the posterior teeth (6mm)

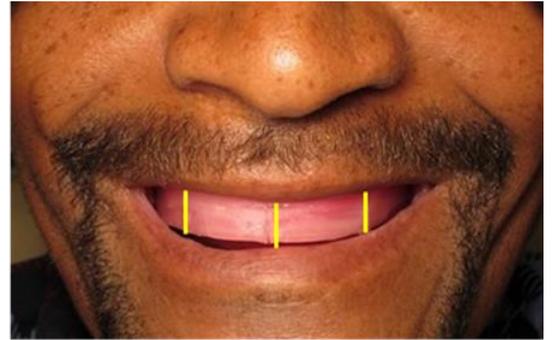


## The level of the occlusal plane

The occlusal plane should be located at the mid point of inter arch distance . the upper occlusal rim should be reduced 2 mm below the upper lip during the speech and the loer occlusal rim should be located with level of the lower lip .posteriorly should be  $\frac{2}{3}$  the height of retromolar pad area



The height of maxillary bite rim is 2 mm below the relaxed upper lip



Mid line & cuspid lines drawn on upper occlusal rim

## Orientation of occlusal

The plane of the occlusal rims should be parallel to the plane of the maxilla. This can be done by using a tool called bite-fox.



**Fox-bite**

