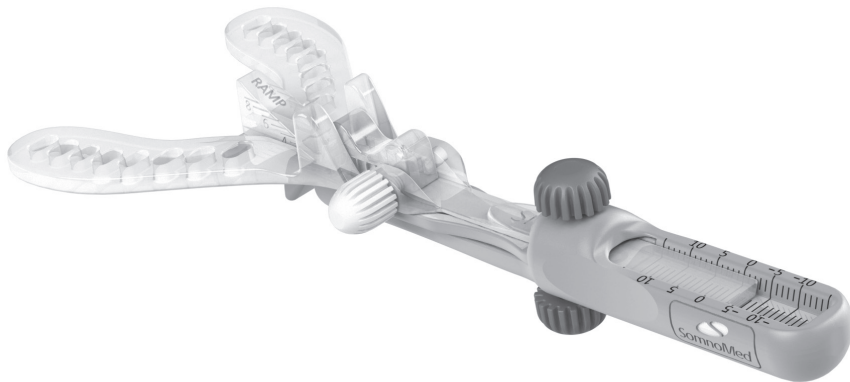


# SOMGauge

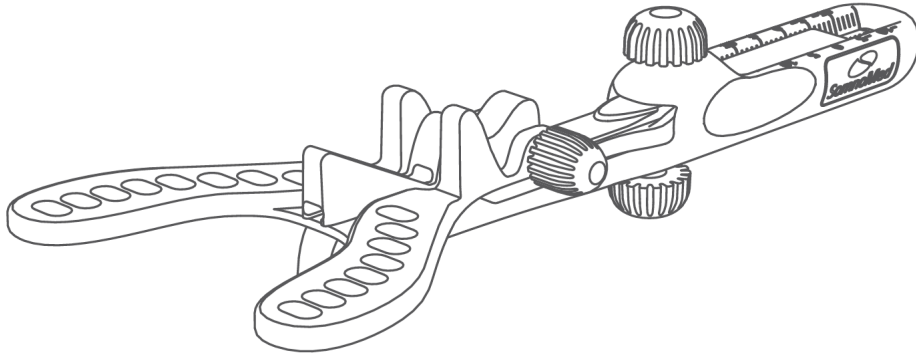
Preformed Impression Tray

**SomnoMed**  
The Leader In COAT  
(Continuous Open Airway Therapy)



[www.somnomed.com](http://www.somnomed.com)

# The New **SOM**Gauge



The **SOM**Gauge is an autoclavable instrument which can be used to construct accurate and reliable bite records. It is suitable for all custom made SomnoDent® appliances.

**SOM**Gauge should only be used by a dental professional.

# SOMGauge Features

## 1. **Easy to Use:**

The ergonomic handle and clear protrusion indicators are just two of the features that make the **SOMGauge** easy to use.

## 2. **Easy to Clean:**

Reusable components can be cleaned in an autoclave.

## 3. **Sufficient vertical opening across whole bite:**

The **SOMGauge** ensures there will always be at least 3mm of acrylic coverage across the whole bite, which will mean a stronger device, fewer fractures and less chair time.

## 4. **Able to fit any adult patient:**

Two Bite Fork sizes allow for full coverage of patient spectrum and provide adequate space to accommodate Distal Wraps if required.

## 5. **Avoids premature contact:**

**SOMGauge** has an adjustable Ramp that ensures there is even contact on anterior and posterior surfaces, preventing premature contact and reducing chair time.



# Definitions

## **Centric Position**

Jaw position of patient's habitual bite.

## **Full Protrusion**

Maximum protrusion of mandible that can be achieved by patient.

## **Starting Position**

Protrusive position to start your patient's SomnoDent Mandibular Advancement Splint.

## **Vertical Opening**

Distance between lower incisors and upper incisors.

## **Distal Wrap**

Optional SomnoDent feature where distals of most posterior teeth are wrapped in acrylic.

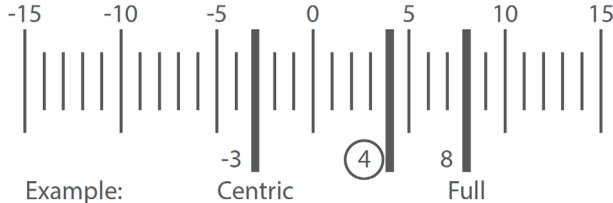
This usually affects vertical opening.

# Ideal Starting Position

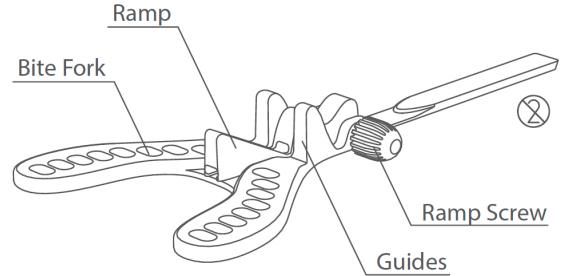
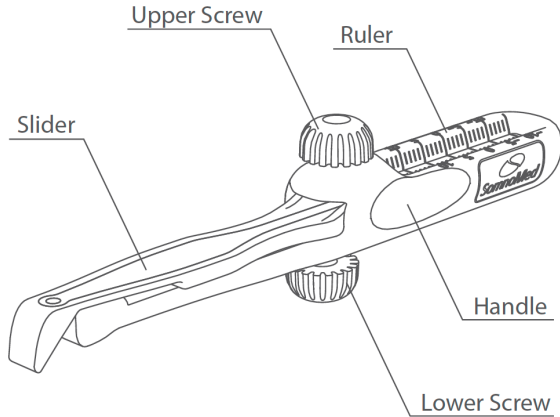
The ideal starting position for a protrusive bite record will be comfortable and as protrusive as possible, to ensure efficacy and effectiveness of your patient's new SomnoDent Mandibular Advancement Splint.

For most patients,  $\frac{2}{3}$  of **centric** to **full protrusion** is suitable for a starting position. The SOMGauge will allow you and your patient to find this starting point with ease and accuracy.

Once a starting position is obtained, ask the patient to hold in that position for 2-3 minutes and seek feedback on comfort. Adjust if necessary.

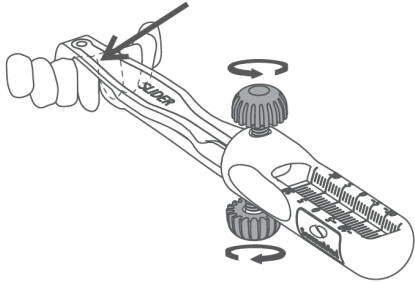


# My **SOM**Gauge

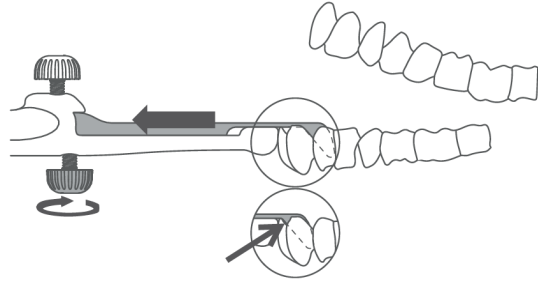


# Step 1: Align Slider

Loosen Upper and Lower Screw.  
Place Slider over lower incisors at skeletal midline.

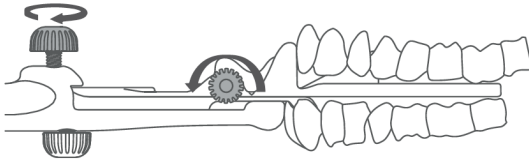


Move Slider to contract lower anterior.  
Tighten Lower Screw to secure Slider.

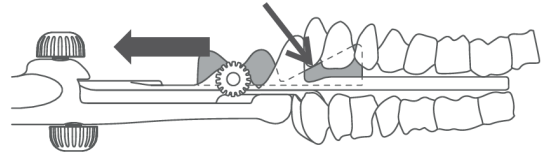


## Step 2: Insert Bite Fork

Remove **SOM**Gauge from mouth, insert suitable Bite Fork and re-insert over lower anteriors at skeletal midline. Ensure most posterior teeth are partially covered\* by Bite Fork.



Instruct patient to gently close onto Bite Fork so that upper anteriors close completely into Ramp and Contact Guides.

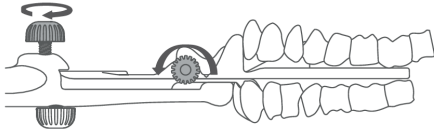


\* If Distal Wrap requested, most posterior teeth must be fully covered by Bite Fork.

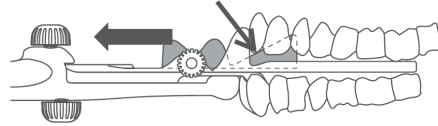


# Step 3: Adjust Ramp

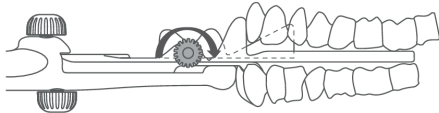
1. Tighten Upper Screw to secure Bite Fork and loose Ramp Screw.



2. Move Ramp to contact upper anteriors.

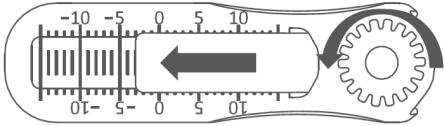


3. Tighten Ramp Screw to secure Ramp.

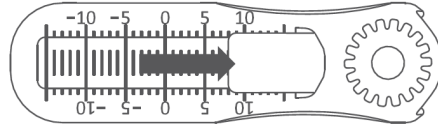


# Step 4: Finding Starting Position

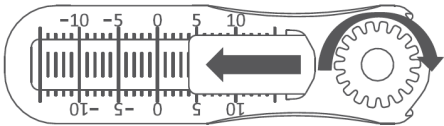
1. Loosen Upper Screw to unlock Bite Fork. Instruct patient to move mandible to **centric position**. Record value indicated on Ruler.



2. Instruct patient to move mandible to **full protrusion** several times. Record maximum value achieved as indicated on Ruler.

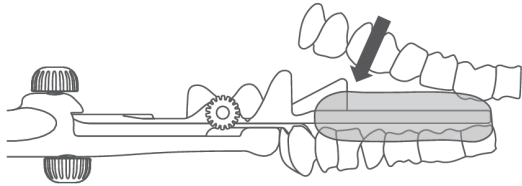


3. Remove **SOM**Gauge from mouth and secure at desired **starting position**.

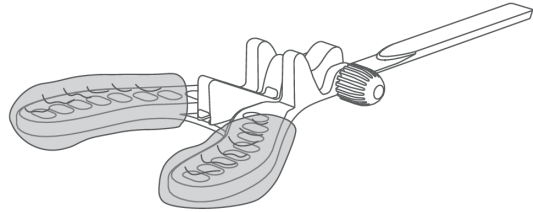


## Step 5: Bite Record

Load registration medium onto Bite Fork  
(SomnoMed® recommends polyvinyl-siloxane).  
Re-insert **SOM**Gauge as before over skeletal  
midline. Instruct patient to gently close down  
on medium.



Remove **SOM**Gauge once medium has hardened.  
Loosen Upper Screw, remove Bite Fork and send  
Bite Fork with Ramp to SomnoMed.



# Cleaning and Maintenance

Handle, Slider, Upper Screw and Lower Screw are reusable and can be cleaned in an autoclave, using steam sterilization at **121°C** for around **15–20 minutes** or **134°C** for **3 minutes**.

Disassemble **SOM**Gauge prior to cleaning.



Bite Forks, Ramps and Ramp Screws are intended to be disposed of after one time use.

## Precautions

Discontinue use of **SOM**Gauge when:

- The **SOM**Gauge has any visible damage or deterioration.
- The device has been modified.

# Troubleshooting

## **Problem**

*The Bite Fork is too large*

*The Bite Fork is too small*

*The Ramp does not lock in place*

*The Bite Fork cannot move*

*The Slider cannot move*

## **Solution**

Use Small Bite Fork. Trim end of Bite Fork to required size.

Use Large Bite Fork.

Use new Bite Fork and Ramp for each patient.

Check Upper Screw has been loosened. Ask patient to relax jaw when sliding Bite Fork.

Check Lower Screw has been loosened.

# Troubleshooting

## **Problem**

*The Ramp is too short*

*Patient has a crossbite*

*Mandible has shifted laterally*

## **Solution**

Add wax to Ramp to further increase vertical opening.

Insert Slider over lower incisors at skeletal midline.

Instruct patient to open and close jaw 3 times before biting down on Bite Fork.

Use gap between Guides to view maxillary when biting down.

Check posterior coverage in **Step 2**.

Guide patient when biting down on registration medium in **Step 5**.

# Notes

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# Notes

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SD INSTRUCTIONS FOR USE SOMGAUGE 903XXXRevA