At S4S, we have developed a process of manufacture that is extremely robust and virtually eliminates the need for metal clasping in most cases.

It is most common to have buccal cusp contact in Centric Relation (CR). On lateral excursive movements, the canine guidance ramps allow disocclusion of all posterior and anterior teeth by approximately 1mm.

Construction requirements
- Upper and lower impressions (silicone-based material is preferable)
- Facebow registration (we work with most articulator systems)
- A centric relation bite, open at the posteriors by at least 2mm.

Rationale
- Used to maintain and stabilize a centric relation prior to restorative work
- Severe bruxism
- Occlusal trauma
- Disordered function of the TMJ and muscle
- A means of differential diagnostics of TMD in relation to other diseases with similar symptoms.

Common names
- Tanner (lower splint)
- SRS (Superior Repositioning Splint - Dawson Academy)
- Perfected occlusal splint
- Ramfjord splint
- Fox appliance
- Centric relation appliance

The Michigan Tanner Stabilization Splint was developed at Michigan University (USA), with the object of treating dysfunction of the TMJ muscle and to control bruxism.