

ABSTRACT

ORTHODONTIC SELF-LOCKING SYSTEM ADAPTED TO RIBBON ARCH WIRE

Disclosed is an orthodontic self-locking system adapted to a ribbon arch wire. The orthodontic self-locking system includes a ribbon arch wire and a bracket adapted to the ribbon arch wire, where an arch wire groove is arranged on the bracket and provided with an upper single wing and a lower single wing structure; a sliding cover is mounted on the lower single wing structure, the lower single wing structure is provided with a fixed seat, a straight elastic wire on the fixed seat can be bent and deformed, and a fixed seat avoidance cavity is provided at the sliding cover and provided with a lock hook and a limiting convex rib. According to the present disclosure, a self-locking structure between the bracket and the sliding cover is innovatively designed, such that manufacturing difficulty and a manufacturing cost are reduced, and self-locking stability and reliability are improved.

Figure 1