

## Movement System for rehabilitation of knee joints

SILCON PLASTIC  
molding & components

**Company:** Silcon Plastic

**Application Sector:** Medical

**Requirements:** The external medical movement system for the adjustment of the position of the knees joints during the rehabilitation, requests at the same time features of resistance and lightness.

**Benefits:** MIM allows to reduce further working treatments on the part, otherwise requested for the complex shape, while the use of TITANIUM alloy Ti-6Al-4V gives the necessary lightness.

**Density:** 4,25 g/cm<sup>3</sup>

**Tensile Strength:** 905 MPa

**Finishing:** Tapping, tumbling or sandblasting (depending on the version)ts

**Interstitial elements content:** O 0,24 wt% - C 0,05 wt% - N 0,02 wt%

**Elongation to fracture:** 15%

**Weight:** 45,8 g for the two parts in Ti-6Al-4V

80,4 g for the two parts in Stainless steel

