



**ADVANTAGE**  
SINTERED METALS INC.

Market  
Industrial/Furniture

Powder Metallurgy

# Case Study

## Lumbar Adjustment Gear Assembly Office Lounge Chair

**Component Name: Lever & Sun Gear Assembly**

Weight: 0.19 kg (lever) 0.085 kg (sun gear)  
Alloy: Sinter Hardened Steel  
MPIF Specification: FLC 4608  
Apparent Hardness: 104 Rb Typical  
Density (min.): 6.9 g/cc  
Secondary Operations: Assembly (dowel pin)

Annual Volume: 350,000 assemblies

