



Case Study : Drive Gear

The ASM-583 and the 583-1 are combined to make a drive gear for a snow blower.

The two powder metal parts are sinter bonded together with no infiltrate or bonding adhesive, which is very cost effective. The inner piece (583-1) is made from a copper based material designed to grow during the sinter process. The outer piece (583) is made from a nickel based material designed to shrink during the sinter process. A torque test is done to ensure a good bond.

