

Sintering

Sintering of metal offers very good dimensional accuracy and repeatability. The method requires minimal processing loans. The result is a very smooth surface finish with fine dividing lines. The disadvantage of the method is that there is limited design freedom and limited strength in certain stress cases.

Sintering, also called powder pressing, is often used for, for example, gears. The finished item always receives microscopic pores that can be impregnated with oil, giving a self-lubricating detail.

THE PROCESS OF SINTERING

During manufacture, a powder is compressed under high pressure in a steel tool. Then heat the detail until the powder particles are welded together / sintered.

