



MIM components in precision jigsaws

Field of Application:

The MIM processed receptor shown in the illustration is used to fixate the saw blade in a high-quality jigsaw for professional craftsmen.



MIM components:

In total, five MIM parts from Parmaco are used in this robust piece of equipment. The high continuous stress requires extremely high demands regarding all components exposed to abrasion. For this reason, the parts cannot be produced using synthetic material, light metals, or die-cast zinc. MIM parts, on the other hand, prove perfect for the job.

All MIM parts used here are characterized by a high hardness and therefore a high wear resistance of the sliding surfaces. At the same time, the equipment weight could be reduced by lightweight design. This was made possible with the optimal exploitation of the high resistance of the used MIM alloys.



Part Specifications:

- Material: 7% NiFe
- Weight: 6.90g
- Surface Roughness: Ra 1.0
- Size: $\varnothing 13 \times 21$ mm
- Annual quantity: 5'000 pieces
- Post-processing: case-hardened and tumbled