



Parmaco
Metal Injection Molding AG

MIM components for professional jigsaws

Field of Application:

The assemblies produced by Parmaco from the MIM Slide, the MIM Receptor, and the lifting rod all end up in a high-quality jigsaw for professionals. They must be able to withstand high mechanical stress.

Individual Parts:

The assembly is composed of various individual parts, of which two – the jigsaw receptor and the slide – are produced using the MIM process. With additional components, they are mounted to a complete assembly and are sent to the customer pre-finished from the consignment stock. Both the receptor and the slide are produced from the material 7% NiFe. After sintering they are hardened and reach a Vickers hardness of 450 HV1.

MIM lifting rod:

The manufacturing of the complete lifting rod takes place in several steps. First, the hardened lifting rod is pre-mounted and welded with the receptor. Then, an impact test is conducted to make sure that the high quality requirements have been fulfilled. In addition steps, the slide is connected with the receptor and secured with a pin.

Part Specifications:

- Material: 7% NiFe
- Weight: 40.15g (MIM parts: 10.15g and 6.35g)
- Surface Roughness: Ra 1.2
- Size: 19 x 16 x 6 mm / 20 x 20 x 15 mm
- Annual quantity: 45'000 pieces
- Post-processing: case-hardened, welded, mounted and anti-friction coated

