

Magnetic materials made from the elements samarium (Sm) and cobalt (Co) are so-called highenergy magnetic materials, even small dimensions of which exhibit enormous pulling forces on each other as well ason ferromagnetic parts. There is a risk of injury due to pinching. We therefore expressly recommend separating the magnets only by sliding them apart laterally. SmCo magnets are available in two different basic compositions: SmCo5 and Sm2Co17, with the 2-17 types exhibiting even better magnetic properties and to some extent being able to be utilized up to 350° C (1-5 types only up to 250° C). The magnets are corrosionresistant and thus require no protective hard galvanic laver. are and brittle and cannot with Thev be processed conventional tools (turning, drilling, milling, sawing, etc.). The magnets must be treated carefully since bangingthem together can lead to chipping. When processing magnets which have been manufactured to fit each other, we recommend cementing using a two-component adhesive for metals or infusing them in synthetic resin (epoxides, etc.).