



Official MAGNETIC SHIELD CORPORATION Document

Does cutting the alloy destroy its properties?

This concern about the magnetic shielding alloys arises because they do have sensitivity to mechanical shock - bending, forming, even severe flexing may give some reduction in the alloy's magnetic permeability. Modern, vacuum-refined alloys have a lower sensitivity to shock, and normally withstand regular handling without significant loss of properties. Cutting by shearing, EDM, waterjet, photo-chemical etching, or blanking dies typically only affects that portion of the alloy immediately adjacent to the edge, and the shield will exhibit normal shielding performance. If the alloy had already received its final magnetic anneal, re-annealing should not be necessary.