

**Annex F**  
(informative)

**Magnetic properties for austenitic stainless steels**

All austenitic stainless steel fasteners are normally non-magnetic; after cold working, some magnetic properties may be evident.

Each material is characterized by its ability to be magnetized, which applies even to stainless steel. Only a vacuum will probably be entirely non-magnetic. The measure of the material's permeability in a magnetic field is the permeability value  $\mu_r$  for that material in relation to a vacuum. The material has low permeability if  $\mu_r$  becomes close to 1.

**EXAMPLES**

A2:  $\mu_r \approx 1,8$

A4:  $\mu_r \approx 1,015$

A4L:  $\mu_r \approx 1,005$

F1:  $\mu_r \approx 5$