

DIN EN ISO 13017:2020-10 (E)

Dentistry - Magnetic attachments (ISO 13017:2020)

Contents	Page
European foreword	3
Foreword	4
Introduction	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	7
4 Requirements	9
4.1 Material	9
4.1.1 Magnet core	9
4.1.2 Components other than the magnet core	9
4.1.3 Reported chemical composition	9
4.2 Hazardous elements	9
4.2.1 Recognized hazardous elements	9
4.2.2 Permitted limits for the hazardous elements cadmium, beryllium and lead	9
4.2.3 Manufacturer's reported nickel content and permitted deviation	10
4.3 Risk analysis	10
4.4 Magnetic flux leakage	10
4.5 Retentive force	10
4.6 Corrosion resistance	10
4.6.1 Released ions	10
4.6.2 Breakdown potential	10
5 Preparation of test specimens	10
5.1 Retentive force	10
5.2 Static immersion test	10
5.3 Anodic polarization	11
6 Test methods	11
6.1 Information, instructions and marking	11
6.2 Magnetic flux leakage	11
6.2.1 Apparatus	11
6.2.2 Test procedure	11
6.3 Retentive force	11
6.3.1 Apparatus	11
6.3.2 Materials	12
6.3.3 Fixing procedure	13
6.3.4 Test procedure	13
6.3.5 Analysis	13
6.4 Corrosion resistance	15
6.4.1 Static immersion test	15
6.4.2 Anodic polarization	16
7 Information and instructions for use	17
8 Marking and labelling	17
8.1 Marking	17
8.2 Labelling	17
Bibliography	18