

# ISO 7151:2024-04 (E)

## Surgical instruments - Non-cutting, articulated instruments - General requirements and test methods

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>iv</b>
<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Normative references</b> .....	<b>1</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>1</b>
<b>4</b>	<b>Material</b> .....	<b>1</b>
<b>5</b>	<b>Requirements</b> .....	<b>2</b>
5.1	Heat, treatment and hardness for component parts, excluding rivets and screws and part manufactures of material grade i.....	2
5.1.1	Heat treatment.....	2
5.1.2	Hardness of instruments.....	2
5.1.3	Hardness of tungsten carbide inserts.....	2
5.2	Corrosion resistance.....	2
5.2.1	General.....	2
5.2.2	Test for resistance to copper sulfate.....	2
5.2.3	Test for resistance to boiling water.....	2
5.3	Workmanship.....	2
5.4	Surface condition.....	3
5.4.1	General.....	3
5.4.2	Surface finish.....	3
5.4.3	Passivation and final treatment.....	3
5.5	Elasticity.....	3
5.6	Function of needle holders.....	3
<b>6</b>	<b>Test methods</b> .....	<b>3</b>
6.1	Copper sulfate test.....	3
6.2	Boiling water test.....	4
6.3	Elasticity test for haemostatic forceps and needle holders.....	4
6.4	Function test of needle holders.....	4
<b>7</b>	<b>Marking</b> .....	<b>4</b>