

# DIN EN ISO 28079:2026-06 (E)

## Hardmetals - Palmqvist toughness test (ISO 28079:2026)

---

### Contents

Page

Foreword.....	iv
Introduction.....	v
<b>1 Scope.....</b>	<b>1</b>
<b>2 Normative references.....</b>	<b>1</b>
<b>3 Terms, definitions and symbols.....</b>	<b>1</b>
3.1 Terms and definitions.....	1
3.2 Symbols.....	1
<b>4 Test pieces and sample preparation.....</b>	<b>2</b>
4.1 Test piece size and sampling.....	2
4.2 Surface preparation.....	2
4.3 Surface condition.....	2
<b>5 Apparatus.....</b>	<b>3</b>
5.1 General.....	3
5.2 Indentation.....	3
5.3 Indentation and crack measurement.....	3
<b>6 Procedure and conditions of testing.....</b>	<b>3</b>
6.1 Indentations.....	3
6.2 Indentation and crack length measurement.....	3
6.3 Test validity.....	5
<b>7 Analysis.....</b>	<b>5</b>
7.1 Vickers hardness.....	5
7.2 Toughness.....	5
<b>8 Measurement uncertainty.....</b>	<b>6</b>
<b>9 Test report.....</b>	<b>6</b>
<b>Annex A (informative) Report pro forma — Palmqvist toughness measurements on hardmetals.....</b>	<b>7</b>
<b>Bibliography.....</b>	<b>9</b>