

# DIN EN 17092-1:2020-05 (E)

## Protective garments for motorcycle riders - Part 1: Test methods

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Introduction .....		4
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>5</b>
<b>4</b>	<b>Test samples .....</b>	<b>7</b>
<b>5</b>	<b>Test methods .....</b>	<b>11</b>
5.1	General .....	11
5.2	Procedure for determination and demarcation of risk category zones .....	11
5.2.1	General .....	11
5.2.2	Determination and demarcation of risk category Zone 1 .....	11
5.2.3	Determination and demarcation of risk category Zones 2 and 3 .....	12
5.3	Procedure to check the additional garment construction requirements .....	27
5.4	Test method for determination of impact abrasion resistance (Darmstadt method) .....	28
5.4.1	Principle .....	28
5.4.2	Test criteria .....	28
5.4.3	Apparatus, parts and components .....	28
5.4.4	Test samples .....	31
5.4.5	Performing the test .....	32
5.4.6	Test report .....	34
5.5	Determination of restraint .....	38
5.5.1	General .....	38
5.5.2	Restraint of impact protectors .....	38
5.5.3	Garment restraint .....	39
5.6	Determination of fit and ergonomics .....	42
5.6.1	Principle .....	42
5.6.2	Apparatus .....	42
5.6.3	Test specimens required .....	42
5.6.4	Procedure .....	43
<b>Annex A(informative) Determination and demarcation of risk category zones .....</b>		<b>45</b>
A.1	Introduction .....	45
A.2	Description of the work .....	45
A.3	Results .....	45
A.4	Tolerances .....	47
A.5	Conclusion .....	48
Bibliography .....		49