ISO 26910-1:2023-10 (E)

Springs - Shot peening - Part 1: General procedures

Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Strategies for conducting shot peening **3**
4.1 General 3
4.2 Mode of shot peening 3
4.3 Conditions of shot peening 3
4.4 Category of shot peening machine 4
4.5 Protection of non-peening surface 4
4.6 Pre- and post-peening treatments 4

5 Peening media **4**

6 Almen strip **4**
6.1 Class of Almen strip 4
6.2 Selection of the class of Almen strip 5
6.3 Almen strip holder 5

7 Method of measurement **6**
7.1 Measurement of Almen arc height 6
7.2 Evaluation of coverage 7
7.3 Determination of saturation time 8

8 Shot peening machine **8**

9 Control of shot peening **8**
9.1 Almen arc height 8
9.2 Coverage 8

10 Measurement of residual stress **8**

11 Report **8**

Annex A (informative) **Standard photographs of coverage** **9**

Annex B (informative) **Saturation time** **10**

Annex C (informative) **Almen gauge** **12**

Bibliography **14**