

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 |