

# DIN EN ISO 18265:2014-02 (E)

## Metallic materials - Conversion of hardness values (ISO 18265:2013)

---

| <b>Contents</b>    |  | <b>Page</b> |
|--------------------|--|-------------|
| Foreword .....     |  | 3           |
| Introduction ..... |  | 4           |
| <b>1</b>           | <b>Scope .....</b>   | <b>5</b>    |
| <b>2</b>           | <b>Principles of conversion .....</b>  | <b>5</b>    |
| <b>3</b>           | <b>Application of conversion tables .....</b>  | <b>8</b>    |
| <b>3.1</b>         | <b>General .....</b>   | <b>8</b>    |
| <b>3.2</b>         | <b>Converting values .....</b>   | <b>11</b>   |
| <b>3.3</b>         | <b>Designation of conversion results .....</b>   | <b>13</b>   |
| <b>3.4</b>         | <b>Notes on use of conversion tables .....</b>   | <b>14</b>   |
|                    | <b>Annex A (informative) Conversion table for unalloyed, low alloy steels and cast steel .....</b> | <b>16</b>   |
|                    | <b>Annex B (informative) Conversion tables for steels for quenching and tempering .....</b>        | <b>21</b>   |
|                    | <b>Annex C (informative) Conversion tables for steels for cold working .....</b>                   | <b>41</b>   |
|                    | <b>Annex D (informative) Conversion tables for high speed steels .....</b>                         | <b>52</b>   |
|                    | <b>Annex E (informative) Conversion tables for hardmetals .....</b>                                | <b>65</b>   |
|                    | <b>Annex F (informative) Conversion tables for non-ferrous metals and alloys .....</b>             | <b>70</b>   |
|                    | <b>Annex G (informative) Conversion tables for tool steels .....</b>                               | <b>80</b>   |
|                    | <b>Annex H (informative) Remarks on the effect of the changed test conditions .....</b>            | <b>84</b>   |
|                    | <b>Bibliography .....</b>  | <b>88</b>   |