

# ISO 22917:2016-02 (E)

## Precision superabrasives - Limit deviations and run-out tolerances for grinding wheels with diamond or cubic boron nitride

---

Contents	Page
<b>Foreword</b> .....	iv
1 <b>Scope</b> .....	1
2 <b>Normative references</b> .....	1
3 <b>Terms and definitions</b> .....	1
4 <b>Limit deviations and run-out tolerance abbreviations</b> .....	2
5 <b>Straight, recessed, tapered and hubbed grinding wheels</b> .....	3
5.1 <b>Grinding wheels for peripheral grinding</b> .....	3
5.1.1 <b>Designations</b> .....	3
5.1.2 <b>Limit deviations and run-out tolerances for grinding wheels for peripheral grinding</b> .....	4
5.2 <b>Grinding wheels for face grinding</b> .....	8
5.2.1 <b>Designations</b> .....	8
5.2.2 <b>Limit deviations and run-out tolerances for grinding wheels for face grinding</b> .....	10
6 <b>Mounted points</b> .....	13
6.1 <b>Designation</b> .....	13
6.2 <b>Limit deviations and circular run-out tolerances</b> .....	14
6.2.1 <b>Limit deviations of the outside diameter, TD, of the thickness, TT, of the depth of superabrasive section, TX, and circular run-out tolerance, axial, TRL</b> .....	14
6.2.2 <b>Limit deviations of the spindle diameter, TSd, and of the reduced diameter of spindle, TS1</b> .....	14
6.2.3 <b>Limit deviations of the overall length, TL, and of the reduced length of spindle, TL4</b> .....	14
7 <b>Superabrasives with metal core for hand-held grinding</b> .....	15
7.1 <b>Designation</b> .....	15
7.2 <b>Limit deviations and run-out tolerances</b> .....	15
7.2.1 <b>Limit deviations of the outside diameter, TD, of the overall thickness, TT, circular run-out tolerance, axial, TPL, and circular run-out tolerance, radial, TRL</b> .....	15
7.2.2 <b>Limit deviations of the bore diameter, TH</b> .....	15
7.2.3 <b>Limit deviations of the depth of superabrasive section, TX</b> .....	16
7.2.4 <b>Limit deviations of the rim width, TW</b> .....	16
7.2.5 <b>Limit deviations of the thickness at bore, TE</b> .....	16
7.2.6 <b>Limit deviations of the contact surface diameter, TJ, and of the recess diameter, TK</b> .....	17