DIN ISO 16463:2015-08 (E)

Polycrystalline diamond inserts, tipped - Dimensions, types (ISO 16463:2014)

Contents

Page

Nationalforeword 3

1 Scope 5

2 Normative references 5

3 Insert shapes and design 5
3.1 Insert shapes 5
3.2 Normal clearance, n .....
3.3 Cutting edge corner 5
3.4 Tolerance class 5
3.5 Design of cutting edges 5
3.6 Insert type 6

4 Designation 6
4.1 General 6
4.2 Designation of a tipped insert for turning 6
4.3 Designation of a tipped insert for milling 6

5 Dimensions 6
5.1 Insert shape T with fixing hole (inserts for turning) 6
5.2 Insert shape T without fixing hole (inserts for turning) 8
5.3 Insert shape S with fixing hole (inserts for turning) 9
5.4 Insert shape S without fixing hole (inserts for turning) 9
5.5 Insert shape C with fixing hole (inserts for turning) 10
5.6 Insert shape D with fixing hole (inserts for turning) 12
5.7 Insert shape V with fixing hole (inserts for turning) 12
5.8 Insert shape S with fixing hole (inserts for milling) 13
5.9 Insert shape C with fixing hole (inserts for milling) 14
5.10 Insert shape W with fixing hole (inserts for turning) 14

6 Cutting edge length, l1, of tipped inserts 15
6.1 General 15
6.2 Inserts with radius 15
6.3 Inserts with wiper edge 16

7 Base material, cutting material 16

8 Measurements 17

9 Marking 17

NationalAnnex(informative) Bibliography 4