ISO 16463:2004-06 (E)

Polycristalline diamond inserts, tipped - Dimensions, types

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Insert shapes and design 1
3.1 Insert shapes 1
3.2 Normal clearance, n 1
3.3 Cutting edge corner 1
3.4 Tolerance class 2
3.5 Design of cutting edges 2
3.6 Insert type 2

4 Designation 2
4.1 General 2
4.2 Designation of a tipped insert for turning 2
4.3 Designation of a tipped insert for milling 2

5 Dimensions 2
5.1 Insert shape T with fixing hole (inserts for turning) 2
5.2 Insert shape T without fixing hole (inserts for turning) 4
5.3 Insert shape S with fixing hole (inserts for turning) 5
5.4 Insert shape S without fixing hole (inserts for turning) 5
5.5 Insert shape C with fixing hole (inserts for turning) 6
5.6 Insert shape D with fixing hole (inserts for turning) 8
5.7 Insert shape V with fixing hole (inserts for turning) 9
5.8 Insert shape S with fixing hole (inserts for milling) 10
5.9 Insert shape C with fixing hole (inserts for milling) 11
5.10 Insert shape W with fixing hole (inserts for turning) 12

6 Cutting edge length, l1, of tipped inserts 13
6.1 General 13
6.2 Inserts with radius 13
6.3 Inserts with wiper edge 13

7 Base material, cutting material 14

8 Measurements 14

9 Marking 14