ISO 16462:2004-06 (E)

Cubic boron nitride inserts, tipped or solid - 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 inserts for turning 2
4.3 Designation of a tipped insert for milling 2

5 Dimensions 3
5.1 Insert shape T with fixing hole (inserts for turning) 3
5.2 Insert shape S with fixing hole (inserts for turning) 5
5.3 Insert shape C with fixing hole (inserts for turning) 6
5.4 Insert shape D with fixing hole (inserts for turning) 7
5.5 Insert shape V with fixing hole (inserts for turning) 8
5.6 Insert shape S with fixing hole (inserts for milling) 9
5.7 Insert shape C with fixing hole (inserts for milling) 10
5.8 Insert shapes C, R, S and T without fixing hole (inserts for turning) 11
5.9 Insert shapes S and T without fixing hole (inserts for milling) 13
5.10 Insert shapes S and T without fixing hole (inserts for milling) 14
5.11 Insert shape W with fixing hole (inserts for turning) 15
5.12 Insert shape W without fixing hole (inserts for turning) 16

6 Cutting edge length, l1, of tipped inserts 17
6.1 General 17
6.2 Inserts with radius 17
6.3 Inserts with wiper edge 17

7 Base material, cutting material 18

8 Measurements 18

9 Marking 18