

ISO 1832:2017-02 (E)

Indexable inserts for cutting tools - Designation

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Explanation of designation code	1
5	Symbols	3
5.1	Symbol for insert shape -- Reference	3
5.2	Symbol for normal clearance -- Reference	4
5.3	Symbol for tolerance class -- Reference	4
5.4	Symbol for fixing and/or chip breakers -- Reference	7
5.5	Symbol for insert size -- Reference	9
5.6	Symbol for insert thickness -- Reference	9
5.7	Symbol for insert corner configuration -- Reference	10
6	Optional symbols for indexable inserts	12
6.1	General	12
6.2	Symbol for cutting edge condition -- Reference	12
6.3	Symbol for the corner type and the application of the insert (direction of feed motion) -- Reference	13
7	Additional symbols for tipped inserts	13
7.1	General	13
7.2	Size of cutting edge condition -- Reference	13
7.2.1	General	13
7.2.2	E = rounded	13
7.2.3	T = chamfered	14
7.2.4	S = chamfered and rounded	14
7.2.5	K = double chamfered	15
7.2.6	P = double chamfered and rounded	16
7.3	Style of tipped or solid cutting edge and number of tipped corners -- Reference	16
7.4	Length of tipped cutting edge -- Reference	18
Annex A (informative)	Symbols for insert size (reference) according to standardized inscribed circles for equilateral and round inserts	20
Annex B (informative)	Symbols for standardized insert thicknesses (reference)	22
Annex C (informative)	Relationship between designations in this document and the ISO 13399 series	23
Bibliography		24