

ISO 5609-1:2012-12 (E)

Tool holders for internal turning with cylindrical shank for indexable inserts - Part 1: Designation, styles, dimensions and calculation for corrections

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Configuration of the designation	1
4	Designation symbols	2
4.1	Symbol for the type of tool -- Symbol 1	2
4.2	Symbol for the diameter of the shank -- Symbol 2	3
4.3	Symbol for the tool length -- Symbol 3	3
4.4	Symbol for the method of holding the horizontally mounted indexable insert -- Symbol 4 ..	4
4.5	Symbol for the indexable insert shape -- Symbol 5	4
4.6	Symbol for the tool style -- Symbol 6	5
4.7	Symbol for the indexable insert normal clearance -- Symbol 7	5
4.8	Symbol for the hand of tool -- Symbol 8	6
4.9	Symbol for the indexable insert size -- Symbol 9	6
4.10	Symbol for the round shank shape -- Symbol 10 -- Number of flats	7
5	Summary of characteristics	8
6	Dimensions	11
6.1	Diameter of shank, d_1 , dimension, f , and length, l_1	11
6.2	Profile of the shank	12
7	Identification of dimensions	13
7.1	Cutting edge corners	13
7.2	Corner radius, r , of master indexable inserts	14
7.3	Length l_1	15
7.4	Dimension f	15
7.5	Tolerances	15
7.6	Dimension a	16
7.7	Correction values x and y	16
(all parts)		19
Bibliography		21