

ISO/TS 13399-3:2021-11 (E)

Cutting tool data representation and exchange - Part 3: Reference dictionary for tool items

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Abbreviated terms	4
5	Representation of the ontology concepts as dictionary entries	5
5.1	General	5
5.2	Reference systems for tool items	5
5.2.1	General	5
5.2.2	cutting_reference_point	6
5.2.3	feed_direction_primary	6
5.2.4	master_insert	6
5.2.5	prismatic_tool_item_position	7
5.2.6	round_tool_item_position	7
5.2.7	tool_cutting_edge_plane	7
5.2.8	tool_feed_plane	7
5.2.9	tool_rake_plane	7
5.3	Tool item feature	8
5.3.1	tool_item_feature	8
5.3.2	chip_management	8
5.3.3	drill_point	8
5.3.4	guide_pilot_feature	8
5.3.5	pilot_drill_feature	8
5.3.6	tool_hub	8
5.4	Tool item type	8
5.4.1	tool_item_type	8
5.4.2	broach	9
5.4.3	burr_tool	9
5.4.4	cartridge	9
5.4.5	drill	10
5.4.6	mill	11
5.4.7	ream	12
5.4.8	rotating_borer	13
5.4.9	threading_die	13
5.4.10	threading_tap	13
5.4.11	turn	14
5.5	General feature types	14
5.6	Cutting item feature	15
5.7	Connection item feature	15
6	Properties for tool item features and tool item types	15
Annex A (normative)	Principles of the ISO 13399 series	23

Annex B (informative)Classificationtable	26
Annex C (informative)Classdefinitions	30
Annex D (informative)Toolitempropertydefinitions	90
Annex E (informative) Illustrations of properties	339
Annex F (informative) ISYC pictures	345
Bibliography	460