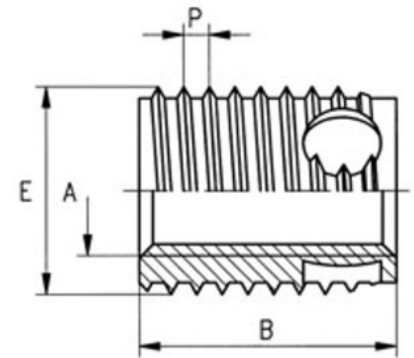


Application

This special insert Ensat®-SBS was developed primarily for applications in which chips – created by the self-tapping process – exert a detrimental effect and could cause serious damage or failure during subsequent operation of the installed assembly – for example in electronic equipment.

The three cutting bores distributed around the periphery are formed as chip reservoirs.

The coarse chips created during the installation process are stored in these reservoirs and cannot drop into sensitive equipment components.



Dimensions in mm

Article number	Internal thread	External thread Special thread		Length	Borehole diameter guideline value	Minimum borehole depth for blind holes
	A	E	P	B	L -0,1	T
337 000 030 ...	M 3	5	0,6	4	4,8	6
338 000 030 ...	M 3	5	0,6	6	4,8	8
337 000 035 ...	M 3,5	6	0,8	5	5,7	7
338 000 035 ...	M 3,5	6	0,8	8	5,7	10
337 000 040 ...	M 4	6,5	0,8	6	6,2	8
338 000 040 ...	M 4	6,5	0,8	8	6,2	10
337 000 050 ...	M 5	8	1	7	7,7	9
338 000 050 ...	M 5	8	1	10	7,7	13
337 000 060 ...	M 6	10	1,25	8	9,6	10
338 000 060 ...	M 6	10	1,25	12	9,6	15
337 000 080 ...	M 8	12	1,5	9	11,5	11
338 000 080 ...	M 8	12	1,5	14	11,5	17
337 000 100 ...	M 10	14	1,5	10	13,5	13
338 000 100 ...	M 10	14	1,5	18	13,5	22
337 000 120 ...	M 12	16	1,75	12	15,4	15
338 000 120 ...	M 12	16	1,75	22	15,4	26
337 000 140 ...	M 14	18	2	14	17,4	17
338 000 140 ...	M 14	18	2	24	17,4	28
337 000 160 ...	M 16	20	2	14	19,4	17
338 000 160 ...	M 16	20	2	24	19,4	28

Example for finding the article number

Self-tapping threaded insert Ensat®-SBS to Works Standard 337 0 with internal thread A = M5 made of case-hardened, zinc plated, thick film passivated steel: Ensat®-SBS 337 000 050.112

Short design
Long design

Works Standard 337
Works Standard 338

Materials

Case-hardened steel, zinc plated, blue passivated
Case-hardened steel, zinc plated, thick film passivated
Case-hardened steel, zinc-nickel plated, transparent passivated
Stainless steel 1.4305
Brass

Article no. (fourth group of digits) 110
Article no. (fourth group of digits) 112
Article no. (fourth group of digits) 143
Article no. (fourth group of digits) 500
Article no. (fourth group of digits) 800

Other materials, designs (e. g. fine thread) and finishes on request.

Tolerance

ISO 2768-m

Thread

Internal thread A: as per ISO 6H
External thread E: Special thread with flattened thread root, as per KKV standard
Internal thread UNC, UNF, Whitworth on request