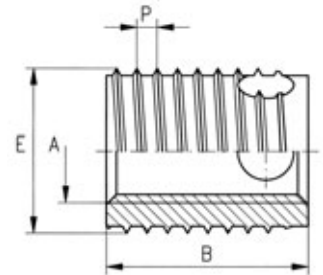


Application

Threaded insert Ensat®-SB with cutting bores is a selftapping fastener for the creation of wear-free, vibration resistant

screw joints with high loading capacity in materials with higher shearing strength.



Dimensions in mm

Article number	Internal thread	External thread Special thread		Length B	Guideline values for receiving hole diameter	Minimum borehole depth for blind holes
	A	E	P		L	T
307 000 030 ...	M 3	5	0,6	4	4,7 to 4,8	6
308 000 030 ...	M 3	5	0,6	6	4,7 to 4,8	8
307 000 035 ...	M 3,5	6	0,8	5	5,6 to 5,7	7
308 000 035 ...	M 3,5	6	0,8	8	5,6 to 5,7	10
307 000 040 ...	M 4	6,5	0,8	6	6,1 to 6,2	8
308 000 040 ...	M 4	6,5	0,8	8	6,1 to 6,2	10
307 000 050 ...	M 5	8	1	7	7,6 to 7,7	9
308 000 050 ...	M 5	8	1	10	7,6 to 7,7	13
307 000 060 ...	M 6	10	1,25	8	9,5 to 9,6	10
308 000 060 ...	M 6	10	1,25	12	9,5 to 9,6	15
307 000 080 ...	M 8	12	1,5	9	11,3 to 11,5	11
308 000 080 ...	M 8	12	1,5	14	11,3 to 11,5	17
307 000 100 ...	M 10	14	1,5	10	13,3 to 13,5	13
308 000 100 ...	M 10	14	1,5	18	13,3 to 13,5	22
307 000 120 ...	M 12	16	1,75	12	15,2 to 15,4	15
308 000 120 ...	M 12	16	1,75	22	15,2 to 15,4	26
307 000 140 ...	M 14	18	2	14	17,2 to 17,4	17
308 000 140 ...	M 14	18	2	24	17,2 to 17,4	28
307 000 160 ...	M 16	20	2	14	19,2 to 19,4	17
308 000 160 ...	M 16	20	2	24	19,2 to 19,4	28
307 000 180 ...	M 18	22	2	18	21,2 to 21,4	21
308 000 180 ...	M 18	22	2	24	21,2 to 21,4	28
308 000 200 ...	M 20	26	2	27	25,2 to 25,4	31
308 000 220 ...	M 22	26	2	30	25,2 to 25,4	34
308 000 240 ...	M 24	30	2	30	29,2 to 29,4	34

Example for finding the article number

Self-tapping threaded insert Ensat®-SB to Works Standard 307 0 with internal thread A = M5 made of case-hardened, zinc plated, thick film passivated steel: Ensat®-SB 307 000 050.112

Short design Long design

Works Standard 307
Works Standard 308

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

Animation

