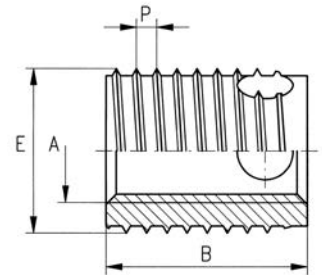


Application

Threaded insert Ensat®-SB with cutting bores is a self-tapping 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	4,6 to 4,7	6	
308 000 030 ...	M 3	5	0,6	6	4,6 to 4,7	8	
307 000 035 ...	M 3,5	6	0,8	5	5,5 to 5,6	7	
308 000 035 ...	M 3,5	6	0,8	8	5,5 to 5,6	10	
307 000 040 ...	M 4	6,5	0,8	6	6,0 to 6,1	8	
308 000 040 ...	M 4	6,5	0,8	8	6,0 to 6,1	10	
307 000 050 ...	M 5	8	1	7	7,4 to 7,6	9	
308 000 050 ...	M 5	8	1	10	7,4 to 7,6	13	
307 000 060 ...	M 6	10	1,25	8	9,3 to 9,5	10	
308 000 060 ...	M 6	10	1,25	12	9,3 to 9,5	15	
307 000 080 ...	M 8	12	1,5	9	11,1 to 11,3	11	
308 000 080 ...	M 8	12	1,5	14	11,1 to 11,3	17	
307 000 100 ...	M 10	14	1,5	10	13,1 to 13,3	13	
308 000 100 ...	M 10	14	1,5	18	13,1 to 13,3	22	
307 000 120 ...	M 12	16	1,75	12	15,0 to 15,2	15	
308 000 120 ...	M 12	16	1,75	22	15,0 to 15,2	26	
307 000 140 ...	M 14	18	2	14	17,0 to 17,2	17	
308 000 140 ...	M 14	18	2	24	17,0 to 17,2	28	
307 000 160 ...	M 16	20	2	14	19,0 to 19,2	17	
308 000 160 ...	M 16	20	2	24	19,0 to 19,2	28	
307 000 180 ...	M 18	22	2	18	21,0 to 21,2	21	
308 000 180 ...	M 18	22	2	24	21,0 to 21,2	28	
308 000 200 ...	M 20	26	2	27	25,0 to 25,2	31	
308 000 220 ...	M 22	26	2	30	25,0 to 25,2	34	
308 000 240 ...	M 24	30	2	30	29,0 to 29,2	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 and blue passivated steel: Ensat®-SB 307 000 050.110

Short design Long design

Works Standard 307
Works Standard 308

Materials

Case-hardened steel, zinc plated, blue 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) ... 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 specification
Internal thread UNC, UNF, Whitworth on request

Animation

