



Thin-walled threaded insert
self-tapping, with cutting bores

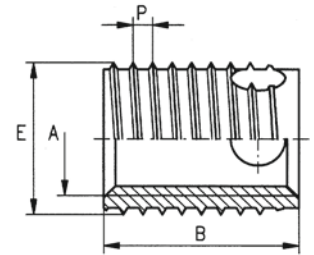
Ensat®-SBD
Works Standard
347 / 348

Application

Threaded insert Ensat®-SBD with three cutting bores in a special thinwalled version developed primarily for applications with thin residual walls and for light-weight constructions.

These version are designed primarily for processing on thread tapping machines, as the pitch of the outside and inside thread is identical. For processing thinwalled inserts in metal, the tensile

strength / hardness of the base material is always the determining factor. In critical cases, we recommend lubricating with suitable media in order to prevent fracture of the thinwalled inserts.



Dimensions in mm

Article number	Internal thread	External thread Special thread		Length	Borehole diameter	Minimum borehole depth for blind holes
	A	E	P	B		T
347 000 035 ...	M 3,5	5	0,6	5	4,6 to 4,7	7
348 000 035 ...	M 3,5	5	0,6	8	4,6 to 4,7	10
347 000 040 ...	M 4	6	0,7	6	5,4 to 5,6	8
348 000 040 ...	M 4	6	0,7	8	5,4 to 5,6	10
347 000 050 ...	M 5	6,5	0,8	7	6,0 to 6,1	9
348 000 050 ...	M 5	6,5	0,8	10	6,0 to 6,1	13
347 000 060 ...	M 6	8	1	8	7,4 to 7,6	10
348 000 060 ...	M 6	8	1	12	7,4 to 7,6	15
347 000 080 ...	M 8	10	1,25	9	9,3 to 9,5	11
348 000 080 ...	M 8	10	1,25	14	9,3 to 9,5	17
347 000 100 ...	M 10	12	1,5	10	11,1 to 11,3	13
348 000 100 ...	M 10	12	1,5	18	11,1 to 11,3	22
347 000 120 ...	M 12	14	1,75	12	13,1 to 13,3	15
348 000 120 ...	M 12	14	1,75	22	13,1 to 13,3	26

Example for finding the article number

Self-tapping thin-walled threaded insert Ensat®-SBD to Works Standard 347 0 with internal thread A = M5 made of case-hardened, zinc plated and blue passivated steel: Ensat®-SBD 347 000 050.110

Short design
Long design

Works Standard 347
Works Standard 348

Materials

Case-hardened steel, zinc plated, blue passivated
Case-hardened steel, zinc-nickel plated, transparent passivated
Stainless steel 1.4305 (M3,5 to M8)
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 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