



**Threaded insert**  
self-tapping / with hexagonal socket

**Ensat®-SI**  
Works Standard  
302 2

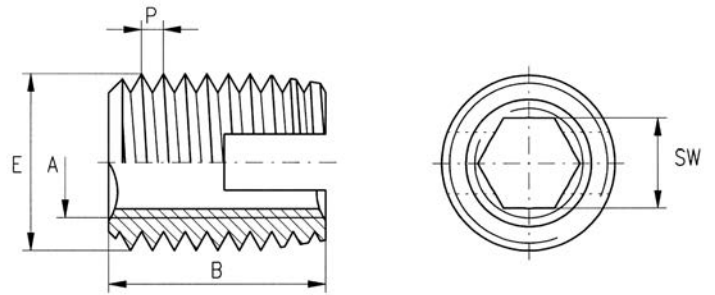
**Application**

The threaded insert Ensat®-SI with cutting slot is a self-tapping fastener for the creation of wear-free, vibration resistant screw joints with high loading capacity in materials with low shearing strength.

**Hexagonal socket**

The Ensat® is inserted via the hexagonal socket, permitting the achievement of short installation time.  
Other benefits: More simple driving tools and machines which require only clockwise rotation.

The Ensat® can be extracted without problems before the recycling process.



Dimensions in mm

Article number	Internal thread	External thread		Length B	Hexagonal socket	Guideline values for receiving hole diameter L	Minimum borehole depth for blind holes T
	A	E	P		SW +0,1		
302 200 040 ...	M 4	6,5	0,75	8	3,2	6,0 to 6,1	10
302 200 050 ...	M 5	8	1	10	4,1	7,3 to 7,5	13
302 200 060 ...	M 6	10	1,5	14	4,9	8,9 to 9,2	17
302 200 080 ...	M 8	12	1,5	15	6,6	10,9 to 11,2	18
302 200 100 ...	M 10	14	1,5	18	8,3	12,9 to 13,2	22
302 200 120 ...	M 12	16	1,5	22	10,1	14,9 to 15,2	26

**Example for finding the article number**

Self-tapping threaded insert with hexagonal socket Ensat®-SI to Works Standard 302 2 with internal thread A = M5 made of case-hardened, zinc plated and blue passivated steel: Ensat®-SI 302 200 050.110

**Materials**

Case-hardened steel, zinc plated, blue passivated Article-No. (**fourth** group of digits) ... 110  
 Case-hardened steel, zinc-nickel plated, transparent passivated Article-No. (**fourth** group of digits) ... 143  
 Stainless steel 1.4305 (M4 to M8) Article-No. (**fourth** group of digits) ... 500  
 Brass 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: as per KKV standard