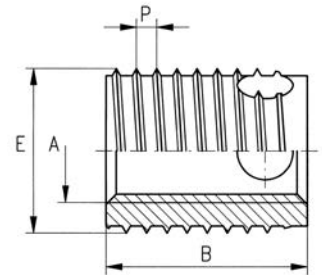


Application

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 T |
|-----------------|-----------------|-----------------------------------|------|-------------|--|---------|---|
| | A | E | P | | L | | |
| 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

