

Mubux®-MO – the coated threaded insert ...

Threaded insert Mubux®-MO is made of zinc-plated steel, with internal and external threads. It is coated on the outside with precote 80.

Application range

Mubux®-MO is used wherever a vibration-free firm fit and extremely good sealing properties are required in addition to a high thread load capacity and wear resistance. It is suitable for a wide range of different materials from plastic to steel, for minimal wall thicknesses and extremely brittle materials.

Product features

- Low installation costs
- Simple installation without the need for costly special tools
- Exchange of threaded inserts without tool damage

precote 80 coating

precote 80 is a microcapsule acrylic-based pre-coating. When screwed into a nut thread, the capsules break open and the plastic flux begins to harden. This creates a firm, water-tight joint. Hand-tight after approx. 20 minutes, full loading capability after 24 hours.

precote 80 coating is also available in different kind of colours.

Other coating variants for screw locking and thread sealing are described in more detail in our publication no. 60.

Installation

1. Drill the retaining hole.
2. Tap the thread with a standard thread tap.
3. Screw in the MO with simple tools; either manually, semi-automatically or fully automatic.

All Ensats® driving tools and machines can also be used for Mubux®-MO.

Installing under pre-tension increases the breakaway torque.

Important: The parts must be free of oil and grease prior to installation.

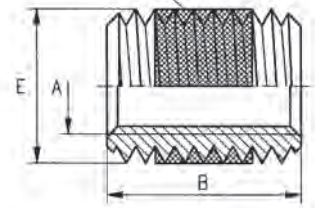


Application

For the creation of wear-resistant screw joints with good load capability in formend components made of light alloy, cast iron and steel.

Suitable for through holes and blind holes.

360° precote 80 coated



Dimensions in mm

Article number first group of digits	Length ¹⁾ B	Article number second and third group of digits	Internal thread A	External thread E	Standard length ¹⁾ B			
					1 A	1,5 A	2 A	2,5 A
971	1 A	... 000 030 ...	M 3	M 5		4,5	6	
972	1,5 A	... 000 040 ...	M 4	M 6		6	8	10
973	2 A	... 000 050 ...	M 5	M 7		7,5	10	12,5
974	2,5 A	... 000 060 ...	M 6	M 8		9	12	15
		... 000 080 ...	M 8	M 12		12	16	20
		... 000 100 ...	M 10	M 14		15	20	25
		... 000 120 ...	M 12	M 16	12	18	24	30

¹⁾ Tolerance ±0,25 mm

Example for finding the article number

Threaded insert Mubux®-MO with internal thread A = M6, length B = 12 mm made of zinc plated and blue passivated steel and coated with microcapsule-based adhesive precote 80: Mubux®-MO 973 000 060.101, without coating: Mubux®-M 973 000 060.110

Materials

Zinc plated, blue passivated steel; coated with precote 80
Zinc plated, blue passivated steel; without coating

Article no. (**fourth** group of digits) 101
Article no. (**fourth** group of digits) 110

Other materials, designs (e. g. fine thread) and finishes on request.

Thread

Internal thread A: as per ISO 6H • External thread E: screwable in standard thread

Coating

Microcapsule pre-coating on an acrylic basis precote 80, maximum storage capability 4 years at room temperature.

Recommended length

Dimensions in mm

Workpiece shear strength N/mm ²	Tensile strength of screw	Recommended length				
		M 3	M 4	M 5	M 6/M 8/M 10	M 12
≥ 70	4.8	2 A	1,5 A	2 A	2 A	–
≥ 140	4.8	2 A	1,5 A	2 A	1,5 A	1 A
	6.8	2 A	1,5 A	2 A	1,5 A	1,5 A
	8.8	2 A	1,5 A	2 A	2 A	2 A
≥ 210	6.8	2 A	1,5 A	2 A	1,5 A	1 A
	8.8	2 A	1,5 A	2 A	1,5 A	1,5 A
	12.9	2 A	1,5 A	2 A	1,5 A	2 A
	14.9	2 A	2 A	2 A	2 A	2,5 A
≥ 280	6.8	2 A	1,5 A	2 A	1,5 A	1 A
	8.8/12.9	2 A	1,5 A	2 A	1,5 A	1,5 A
	14.9	2 A	1,5 A	2 A	1,5 A	2 A

Example

Shearing strength of the workpiece appr. 140 N/mm², screw M6, strength class 8.8
Recommended length: 2A = 2x6 mm = 12 mm.