

The variants – thread inserts for expansion anchoring **SPREDSERT®** with retaining flange



Your advantages

- For thermoset and thermoplastic components
- Fast installation without a special tool
- High-strength threads in through holes
- Screw-locking

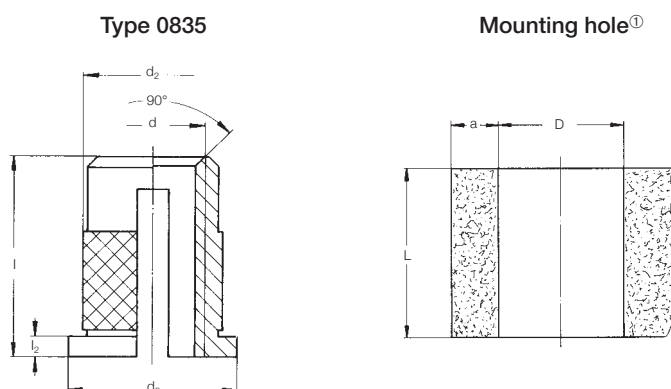
The principle

The SPREDSERT® with retaining flange is pressed into the rear of the through hole (accessibility from two sides) until the retaining flange touches the component. The slotted anchoring section with diamond knurl is compressed. When the screw is screwed in, the thread insert is forced open in the anchoring section so that the diamond knurl penetrates the plastic material. The retaining flange which acts as a shoulder support ensures a good locking effect against pull-out due to additional positive locking. In addition, the screw is locked. For the additional expansion force, the tightening torque must be increased by 10 %.



Technical data

Material: **brass CuZn38Pb2** (compliant with EU 2000/53) / **brass CuZn39Pb3**.



For installation tools and machines, please see pages 48–49

d	Item code	l ^③	d ₂	d ₃	l ₂	D ^{+0.1①}	L _{min}	a _{min}
M 3	0835 103 0048	4.8	4.3	5.5	0.5	3.9	4.5	3.2
M 3.5	0835 135 0064	6.4	5.1	6.3	0.7	4.7	6.0	3.6
M 4	0835 104 0008	8.0	6.0	7.0	0.8	5.5	7.5	4.0
M 5	0835 105 0095	9.5	6.8	8.0	1.0	6.3	9.0	4.8
M 6	0835 106 0127	12.7	8.4	9.5	1.3	7.9	12.0	6.0
M 8	0835 108 0127	12.7	9.9	11.0	1.3	9.4	12.0	7.1

Metric ISO thread according to DIN 13-6H. Technical changes reserved. Minimum quantity on request. All measures in mm.

① Guideline values: depend on the moulding material, may have to be changed after installation tests.

③ Screw contact length = min. thread insert length (l) + 1 p (pitch)

Other sizes and special designs on request.

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