The versions – thread inserts for expansion anchoring **QUICKSERT® Expansion type 1230**

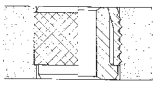
The advantages

- No tapping
- Quick, cost-effective installation
- Chipping-free installation in smooth mounting holes
- High-strength threads in light metals
- High-strength threads in thermoplastic and thermoset components** after moulding of components
- Suitable for one-sided accessibility of the installation point
- For screwed connections that can be detached as often as required
- For installation on finished surfaces

Material: 11 SMn Pb 30+c

Surface: A2J ISO 4042 Cr (VI)-free
or Cu Zn 38 Pb 2 (EU 2000/53 compliant)

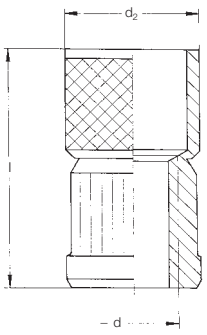
Principle



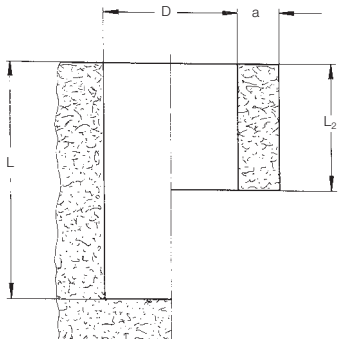
The **QUICKSERT® Expansion** is spun on to the rotating threaded mandrel of the installation tool and introduced into the mounting hole. The hole can be preformed or machined with common drills as a blind or through hole. The axial pulling motion of the threaded mandrel causes the **QUICKSERT® Expansion** Expansion to shear at the predetermined breaking point between anchoring sleeve and threaded bush. The threaded bush is pulled into the anchoring sleeve and expands it. Meanwhile, the diamond knurl of the anchoring sleeve is pressed into the wall of the hole. The thread insert is now anchored and locked against screwing and pull-out.

Technical data

Type 1230



Mounting hole①



For installation tools and machines, see pages 39 – 40

d	Steel Order No	Brass Order No	Total length l	Total length installed l_1	Knurls ø d_2	Mounting hole $D^{+0.1①}$	Mounting hole L_{min}	Mounting hole L_{2min}	Mounting hole a
M3	1230 003 0048	1230 103 0048	8.0	4.8	5.5	5.5	8.8	4.8	2
M4	1230 004 0063	1230 104 0063	10.5	6.3	6.5	6.5	11.8	6.3	2
M5	1230 005 0082	1230 105 0082	13.5	8.2	7.5	7.5	15.2	8.2	2.5
M6	1230 006 0098	1230 106 0098	16.0	9.8	9	9	18.8	9.8	3
M8	1230 008 0 115	1230 108 0 115	19.0	11.5	12	12	21.0	11.5	4

Minimum quantity on request. All dimensions in mm.

For installation into plastic, we recommend brass thread inserts. Special lengths and thread diameters as well as other materials on request.
① Guide values: depend on moulding material, may have to be changed after setting trials.
** Particularly test this insert for suitability for plastics susceptible to stress cracks (e.g. PC, PPO).