

Mubux[®]-A – pressed-in threaded insert/stud ...

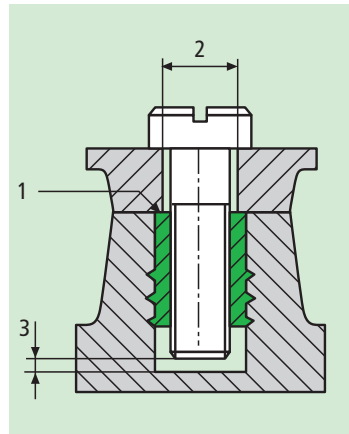
The Mubux-A is a threaded insert or stud with multiple helically knurled rings, a tapered anchorage profile and a pilot end for easy embedding.

Field of application

For all moulded parts made of hard plastic.

Product features

- Fast and easy to install.
A special pilot end prevents inser-
tion problems.
- Relatively small diameter and mini-
mal installation length
- Particularly cost-effective



Design of the shaped com- ponent and receiving hole

The part to be fastened must be loca-
ted flush on the threaded insert, see
illustration (1), which in turn requires
the borehole to have narrow dimen-
sions and to sink into the material.
Allow the Mubux-A to project approx.
0.1 mm over the surface of the mould-
ed component (1).

Both plastic parts must lock into place
for maximum torque safety to prevent
the occurrence of a breakaway levering
effect.

Hole diameter and wall thicknesses
are dependent on the material used
for the formed part. Please enquire or
ascertain by testing. For guideline
values, see the works standard sheets.

Hole depth

≥ Length of the Mubux-A + 1mm.
The screw must not under any circum-
stances come to rest at the bottom of
the hole.

Available designs:

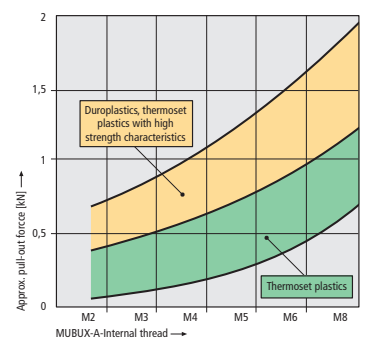
- Standard length.
- Short length.
- Contact head for electrical contacts or
for simultaneous fixture of several
parts.
- Stud with and without support head.

Installation

Insert the Mubux-A with pilot start
downwards into the receiving hole
and press in with the hand lever or a
small press. Never knock in Mubux-A
with a hammer!

Mubux-A achieves outstanding pull-
out resistance if inserted into moulded
components immediately after removal
from the mould, when the component
has not yet fully cooled down.

Mubux-A has also proven successful in
some duroplastic materials if embed-
ded using ultrasound technology.

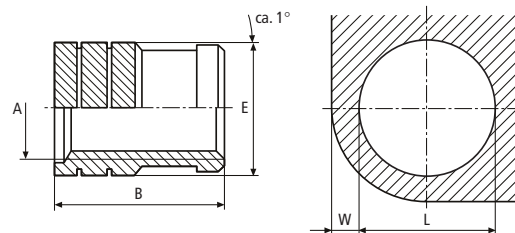


All table values apply only if the screw
is inserted to at least 50% of its
length in the threaded insert.



Application

For the manufacture of wear-resistant screw fasteners with high loading capacity in hard plastic.

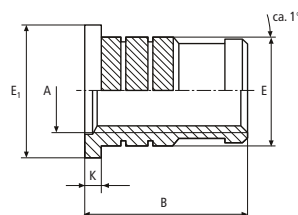


Dimensions in mm

Article no.	Internal thread A	External dia. E	Length B	Minimum wall thickness W	Hole dia. (guideline values) L
850 000 020.800	M 2	3,35	4,0	1,6	3,1
850 000 025.800	M 2,5	4,2	5,3	2,0	3,8
850 000 030.800	M 3	4,2	5,3	2,0	3,8
850 000 035.800	M 3,5	5,0	6,3	2,5	4,6
850 000 040.800	M 4	5,8	7,4	2,5	5,4
850 000 050.800	M 5	6,6	8,3	2,5	6,2
850 000 060.800	M 6	8,2	9,2	2,8	7,8
850 000 080.800	M 8	9,7	9,2	3,8	9,3
850 000 100.800	M 10	12,0	9,2	5,5	11,6

Example for finding the article number

Pressed-in threaded insert Mubux®-A from Works Standard 850 with internal thread A = M 4 made of brass: Mubux-A 850 000 040.800



Dimensions in mm

Article no.	Internal thread A	External dia. (excluding head) E	Head dia. E ₁	Head height K	Length B
852 000 020.800	M 2	3,35	4,8	0,6	4,6
852 000 025.800	M 2,5	4,2	5,6	0,6	5,9
852 000 030.800	M 3	4,2	5,6	0,6	5,9
852 000 035.800	M 3,5	5,0	6,4	0,8	7,1
852 000 040.800	M 4	5,8	7,2	0,8	8,2
852 000 050.800	M 5	6,6	8,0	1,0	9,3
852 000 060.800	M 6	8,2	9,5	1,3	10,5
852 000 080.800	M 8	9,7	11,0	1,3	10,5
852 000 100.800	M 10	12,0	14,0	1,6	10,8

For receiving hole diameter, see article no. 850

Material

Brass

Article no. 800

Tolerances

ISO 2768-m

Thread

as per ISO 6H