

The versions – thread inserts for thermal installation HITSERT® 2

Installation method thermal installation



The advantages

- Ideal for thermoplastic parts
 - Especially designed for thermal installation
 - Screw-locked and low-tension anchoring
 - High pull-out values
 - Efficient installation due to single-spindle, multiple-spindle or automatic machines with preheating device
- Material: Cu Zn 38 Pb 2 (EU 2000/53 compliant)

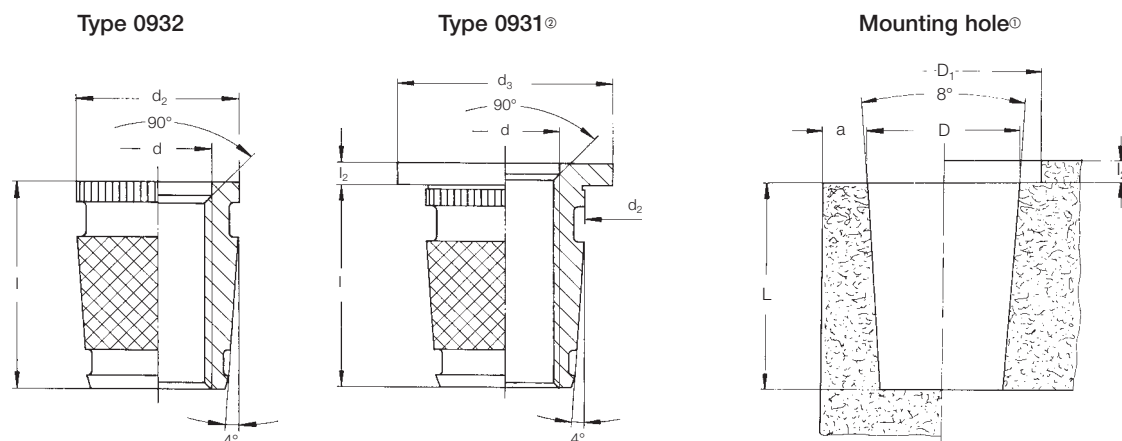
Principle



The **HITSERT® 2** thread insert is heated to the melting temperature of the plastic. As a result of the heat transfer upon insertion, the plastic is plasticised for a short time and flows into the undercut of the thread insert. Upon cooling, a low-stress interference is realised.

Installation method self-tapping insertion

Technical data



For installation tools and machines, see pages 16 – 18

d	Type 0932 Order No	Type 0931 [Ⓞ] Order No	l	l ₂	d ₂	d ₃	D ^{+0.1}	D ₁	L _{min.}	a _{min.}
M 2	0932 102 0005	0931 102 0056	5.0	0.6	4.1	5.0	3.8	5.2	6.0	1.5
M 2.5	0932 125 0005	0931 125 0056	5.0	0.6	4.1	6.0	3.8	6.2	6.0	1.5
M 3	0932 103 0005	–	5.0	–	4.7	–	4.4	6.2	6.0	1.8
M 3	0932 103 0055	0931 103 0061	5.5	0.6	4.7	6.0	4.4	6.2	6.5	1.8
M 3.5	0932 135 0006	0931 135 0068	6.0	0.8	5.5	7.0	5.2	7.2	7.0	1.8
M 4	0932 104 0006	–	6.0	–	5.9	–	5.8	8.2	7.0	2.0
M 4	0932 104 0075	0931 104 0083	7.5	0.8	5.9	8.0	5.8	8.2	8.5	2.0
M 5	0932 105 0007	–	7.0	–	7.0	–	6.9	8.7	8.0	2.0
M 5	0932 105 0009	0931 105 0010	9.0	1.0	7.0	8.5	6.9	8.7	10.0	2.5
M 6	0932 106 0009	–	9.0	–	8.6	–	8.5	10.2	10.0	2.5
M 6	0932 106 0010	0931 106 0011	10.0	1.0	8.6	10.0	8.5	10.2	11.0	2.5
M 8	0932 108 0012	0931 108 0013	12.0	1.0	11.1	12.0	10.9	12.2	13.0	3.0

Metric ISO thread according to DIN 13-6H.
Technical modifications reserved.
All dimensions in mm.

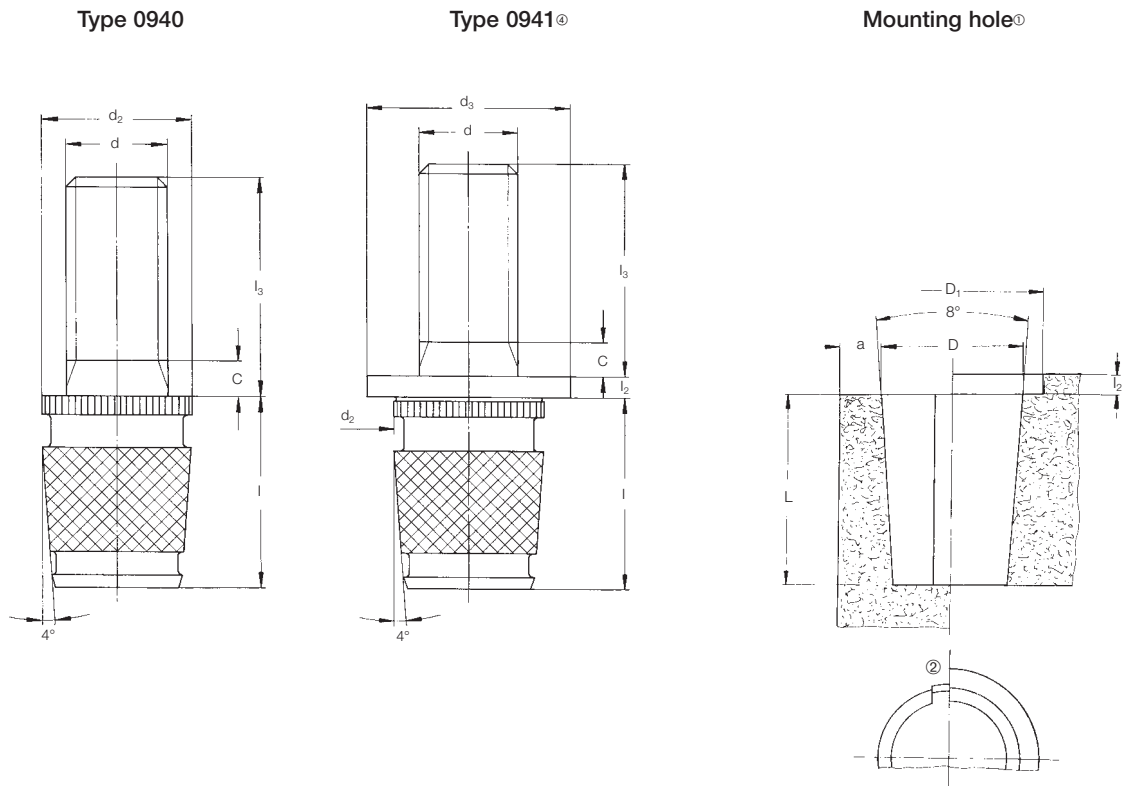
[Ⓞ] Guide values: depend on moulding material, may have to be changed after setting trials.
[Ⓞ] The flange has a large contact surface and thus reduces surface pressure.
Minimum quantity on request.

Other sizes, special designs and materials on request.

Installation method expansion anchoring

The versions – thread inserts for thermal installation **HITSERT® 2**

Technical data



For installation tools and machines, see pages 16 – 18

d	Type 0940® Order No	Type 0941® Order No	l	l ₃	l ₂	d ₂	d ₃ ®	D ^{+0.10}	D ₁	L _{min.}	a _{min.}
M 2.5	0940 125 0005	0941 125 0005	5.0	5.0	0.6	4.1	6.0	3.8	6.2	6.0	1.5
	0940 125 0010	0941 125 0010	5.0	10.0	0.6	4.1	6.0	3.8	6.2	6.0	1.5
M 3	0940 103 0005	0941 103 0005	5.5	5.0	0.6	4.7	6.0	4.4	6.2	6.5	1.8
	0940 103 0010	0941 103 0010	5.5	10.0	0.6	4.7	6.0	4.4	6.2	6.5	1.8
	0940 103 0015	0941 103 0015	5.5	15.0	0.6	4.7	6.0	4.4	6.2	6.5	1.8
M 3.5	0940 135 0005	0941 135 0005	6.0	5.0	0.8	5.5	7.0	5.2	7.2	7.0	1.8
	0940 135 0010	0941 135 0010	6.0	10.0	0.8	5.5	7.0	5.2	7.2	7.0	1.8
	0940 135 0015	0941 135 0015	6.0	15.0	0.8	5.5	7.0	5.2	7.2	7.0	1.8
M 4	0940 104 0005	0941 104 0005	7.5	5.0	0.8	5.9	8.0	5.8	8.2	8.5	2.0
	0940 104 0010	0941 104 0010	7.5	10.0	0.8	5.9	8.0	5.8	8.2	8.5	2.0
	0940 104 0015	0941 104 0015	7.5	15.0	0.8	5.9	8.0	5.8	8.2	8.5	2.0
M 5	0940 105 0010	0941 105 0010	9.0	10.0	1.0	7.0	8.5	6.9	8.7	10.0	2.0
	0940 105 0015	0941 105 0015	9.0	15.0	1.0	7.0	8.5	6.9	8.7	10.0	2.0
	0940 105 0025	0941 105 0025	9.0	25.0	1.0	7.0	8.5	6.9	8.7	10.0	2.0
M 6	0940 106 0010	0941 106 0010	10.0	10.0	1.0	8.6	10.0	8.5	10.2	11.0	2.5
	0940 106 0015	0941 106 0015	10.0	15.0	1.0	8.6	10.0	8.5	10.2	11.0	2.5
	0940 106 0025	0941 106 0025	10.0	25.0	1.0	8.6	10.0	8.5	10.2	11.0	2.5

Metric ISO thread according to DIN 13-6g.
Technical modifications reserved.
All dimensions in mm.

- ® Guide values: depend on moulding material, may have to be changed after setting trials.
- ® For blind holes we recommend to provide core pins with ventilation groove.
Feel free to order our company standard.
- ® Minimum quantity on request, no stock type.
- ® The flange has a large contact surface and thus reduces surface pressure.

Other lengths, special designs and materials on request.