



Create your own inserts

Need help? An agent is available to answer you live. Ask your question

Create your own inserts

CATALOG EXCERPTS



" Create your own inserts " [Open the catalog to page 1](#)



" Formdrill : a very fast, reliable and co Thermal or Form-drilling Form-drilling provides a cost-effective solution to the assembly of thin walled parts and tubing. The process is simple and inexpensive to implement and it produces sturdy joints that equal or surpass the torque and pull-out resistance of comparable welded nuts and inserts. The Formdrill tool forms, instead of cutting, the hole and displaces the material that would normally be cut, to form a bushing with a length that is approximately 3 times the material wall thickness. This formed bushing can be tapped to replace the use of..." [Open the catalog to page 2](#)



" Create your own inserts Standard Formdrill types Formdrills are available in all sizes, from 2.0 to 25.4 mm in increments of 0.1 mm. Two lengths of drills are available depending on the thickness of the material to be machined: Short Formdrill: The tool has a shorter cylindrical portion and produces a slightly conical bush that is perfectly suited for forming the threads. Long Formdrill: The tool has a longer cylindrical part and makes it possible to work with greater thicknesses or to achieve a completely cylindrical bush for support of rotating shafts, insertion of pipe nozzles or for..." [Open the catalog to page 3](#)

| Material | Formdrill Type | Length (mm) | Outer Diameter (mm) | Inner Diameter (mm) | Material Thickness (mm) |
|----------|----------------|-------------|---------------------|---------------------|-------------------------|
| Aluminum | Short          | 2.0         | 2.0                 | 1.5                 | 0.5                     |
|          |                | 2.5         | 2.5                 | 2.0                 | 0.5                     |
|          | Long           | 2.0         | 2.0                 | 1.5                 | 0.5                     |
|          |                | 2.5         | 2.5                 | 2.0                 | 0.5                     |
| Steel    | Short          | 2.0         | 2.0                 | 1.5                 | 0.5                     |
|          |                | 2.5         | 2.5                 | 2.0                 | 0.5                     |
|          | Long           | 2.0         | 2.0                 | 1.5                 | 0.5                     |
|          |                | 2.5         | 2.5                 | 2.0                 | 0.5                     |

" Create your own inserts Formdrill - parameters Thread size Formdrill diameter Stainless Steel Motor Power Cycle time All indicated data is for reference only. Actual parameters can change depending application and material. Consult us for applications in aluminum, copper and brass. Parameters for CNC applications are available on request. Test results Mild Steel (FE37) Thread size Wall thickness Results Formdrill Pull out Unimex Formdrill Scheepvaartkaai 3 3500 Hasselt Belgium " [Open the catalog to page 4](#)

All Formdrill catalogs and technical brochures

**unimex formdrill**

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Material Safety Data Sheet According to 91/155 EC

Printing date 28.02.2002

1 Identification of substance

Product details: Trade name: FDKSO-F-SP

2 Composition Data on components

3 Hazards identification

4 First aid measures

5 Fire fighting measures

MSDS FDKSOFSFP 4 Pages

**formdrill**

**Introduction**

Company

1989 Unimex N.V. established, location: Berlingen Belgium. Initially our company started as a sales & production firm. Sales started as R&D-centre for Thermal drilling application and distributor for Belgium and France.

1994 It was quite natural, having this know-how and experience, we followed up during the election starting our own production line of Thermal drills and Cold bore taps: **FORMDRILL**.

2003 New production facility with the newest CNC grinding machines and inspection tools.

2006 Increasing production capacity with new machinery (fully automatic lat).

Company Introduction 5 Pages

**unimex formdrill**

Page 1/4

Material Safety Data Sheet According to 91/155 EC

Printing date 28.02.2002

1 Identification of substance

Product details: Trade name: FDKSO-F-SP

2 Composition Data on components

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4 First aid measures

5 Fire fighting measures

FDKSO Fluid Special formdrill lubricant 4 Pages

**unimex formdrill**

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Safety Data Sheet in compliance with directive 91/155/EEC

Printing date 24.02.1999

1 Identification of substance

Product details: Trade name: FTGRA

2 Composition Data on components

3 Hazards identification

4 First aid measures

5 Fire fighting measures

FTGRA formtap lubricant 4 Pages

**unimex formdrill**

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Material Safety Data Sheet According to 91/155 EC

Printing date 28.02.2002

1 Identification of substance

Product details: Trade name: FDKSO-F

2 Composition Data on components

3 Hazards identification

4 First aid measures

5 Fire fighting measures

6 Accidental release measures

FDKSO Fluid formdrill lubricant 4 Pages

**unimex formdrill**

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Safety Data Sheet in compliance with directive 91/155/EEC

Printing date 24.02.1999

1 Identification of substance

Product details: Trade name: FTOL

2 Composition Data on components

3 Hazards identification

4 First aid measures

5 Fire fighting measures

FTOL formtap lubricant 4 Pages

**unimex formdrill**

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Material Safety Data Sheet According to 91/155 EC

Printing date 28.02.2002

1 Identification of substance

Product details: Trade name: FDKSO

2 Composition Data on components

3 Hazards identification

4 First aid measures

5 Fire fighting measures

6 Accidental release measures

FDKSO formdrill lubricant 4 Pages

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PSD 250 Minimum Lubrication System

For lubricants in the 1000 mPa·sec viscosity range

unimex nv

Lubrication unit PSD250 8 Pages

**unimex formdrill**

Perfection In Thermal drilling

FORMDRILL: THE DRILL SYSTEM FOR screw-, screw-, gas and welding assemblies in thin-walled metal work pieces.

Formdrill introduction 5 Pages

Archived catalogs

**unimex formdrill**

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2006 Increasing production capacity with new machinery (fully automatic lat).

Our Slogan is not just a clever phrase:

**"Perfection in Thermal drilling"**

Company Introduction 4 Pages

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- Chuck
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- Round insert
- Greasing system
- Oil lubrication unit
- Stainless steel insert
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- Collet tool holder
- Minimal quantity lubrication unit
- Roll form tap
- Steel roll form tap
- Through-hole roll form tap
- Metal machining lubrication unit

\*Prices are pre-tax. They exclude delivery charges and customs duties and do not include additional charges for installation or activation options. Prices are indicative only and may vary by country, with changes to the cost of raw materials and exchange rates.



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