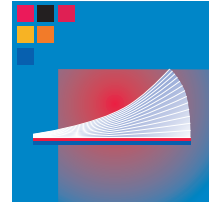
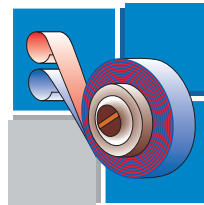




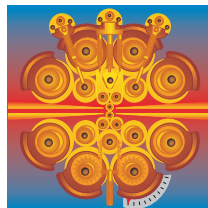
**AUERHAMMER**  
METALLWERK GMBH



Thermostatic Bimetals

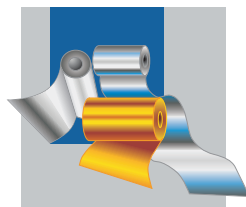


Clad Materials



### Metal Strips

Soft-magnetic Iron-Nickel-Alloys  
Sealing and Expansion Alloys  
Nickel  
Nickel-Chromium-Alloys  
Nickel-Copper-Alloys  
Copper-Nickel-Alloys  
Nickel-Manganese-Alloys



**Metallic Foils**

## Product group:

# Metallic foils

### 1. SHORT DESCRIPTION

Metallic foils are usually produced according to customer specifications for special applications. We define foils as having thicknesses from 0.00006 in. to 0.003 in. or from 0.0015 mm to 0.075 mm. The foils are made from pure metals or alloys depending on customers requirements.

### 2. MATERIALS

⇒ <b>Soft-magnetic alloys</b>	FeNi36 ... FeNi80
⇒ <b>High purity metals</b>	Nickel
⇒ <b>Metal alloys</b>	FeNi, NiCr, NiCrFe, NiCu
⇒ <b>Copper and copper alloys</b>	Cu Thicknesses < 0.0008 in. or < 0.020 mm are preferred CuNi44Mn, CuBe2
⇒ <b>High grade steels</b>	1.4301, 1.4310
⇒ <b>Precious metals and alloys</b>	Ag, Ag-solder

Other alloys upon request.  
Free-issue material can be provided by the customer.

### 3. PRODUCT TEMPER

Foils are either supplied in the as-rolled condition or heat-treated. Special heat treatment processes can be applied to produce an end product with specifically adjusted properties.

## 4. DIMENSIONS AND TOLERANCES

THICKNESS		TOLERANCE
in.	mm	% of nominal thickness
< 0.0002	< 0.005	± 10
≥ 0.0002 up to 0.003	≥ 0.005 up to 0.075	± 5 Fine tolerance ± 10 Standard tolerance

For thicknesses from 0.00006 in. to < 0.0002 in. (depending on material) the maximum width is 2.362 in.  
For thicknesses from 0.0015 mm to < 0.005 mm (depending on material) the maximum width is 60 mm.

For thicknesses ≥ 0.0002 in. the maximum width is 3.937 in.  
For thicknesses ≥ 0.005 mm the maximum width is 100 mm.

Thicknesses up to 4.331 in. wide by agreement.  
Thicknesses up to 110 mm wide by agreement.

## 5. PRODUCT FORM

coiled on reels (with intermediate layers of tissue paper, if requested)
widths from 0.039 in. or from 1 mm to maximal rolling width
foil sheets (on request)

All data contained in this document are for information purposes only.  
Other properties can be engineered according to customer specifications.

Guarantees of specific characteristics or applications require special written agreement.

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