



# COLD-ROLLED

CUSTOM SPECIAL PROFILES

# CUSTOM COLD-ROLLED SPECIAL PROFILES

**Cold rolling** is a steel forming technology that involves passing the material through rotating rollers at room temperature. This **highly efficient and precise manufacturing process** is particularly suitable for making small profiles. Calvi's cold-rolled profiles are designed and manufactured to the customer's specific requirements.



## Main application sectors

Custom cold rolled special profiles can be widely applied in **many industrial sectors** where they are used as functional elements, guides, and for many other purposes. Customized profiles deliver **excellent performance** and **greater efficiency** in the projects for which they are used.



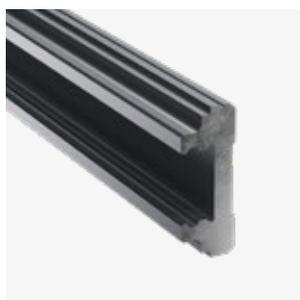
DEFENSE



FURNITURE  
INDUSTRY



ENERGY



AUTOMATION

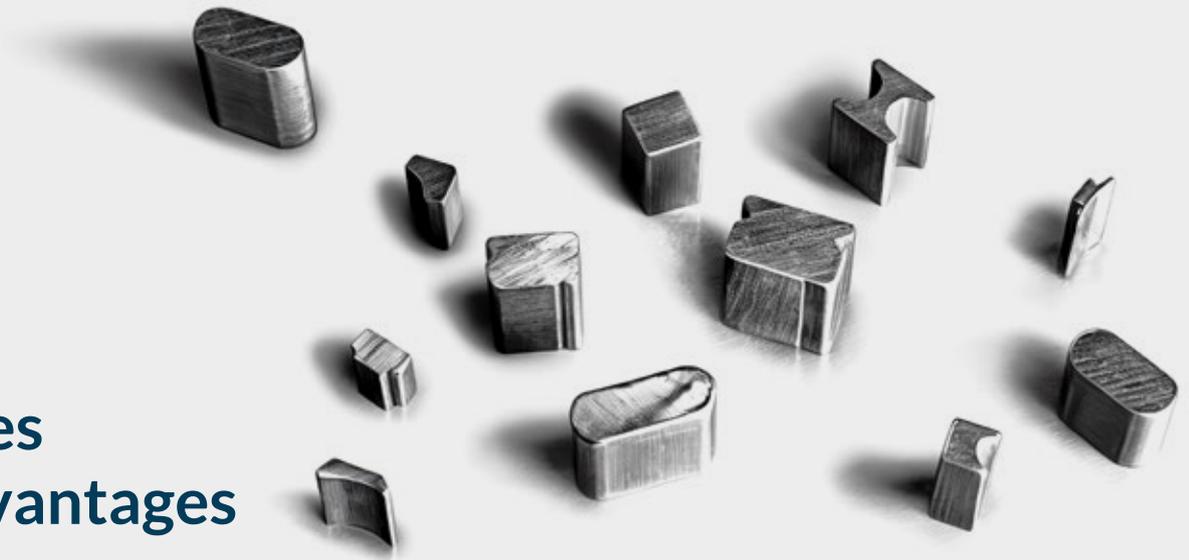


OIL&GAS



PULP&PAPER

# Features and advantages



## ■ Dimensional accuracy

Due to the nature of the cold rolling process, custom profiles can be manufactured with extremely precise and uniform sizes.

## ■ Greater mechanical strength

The cold rolling process improves the material's mechanical properties, such as strength and hardness.

## ■ High-quality surfaces

Cold rolling delivers smooth, uniform metal surfaces that may not necessarily require additional surface finishing.

## ■ Competitive cost

Custom cold-rolled profiles offer excellent value for money.

# Product range



### MINIMUM THICKNESS OF FINISHED PRODUCT

1mm  
0.004"



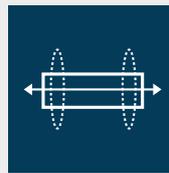
### SIZE TOLERANCES

up to +/- 0,025 mm  
up to +/- 0,0001"



### MAXIMUM WIDTH OF FINISHED PRODUCT

17 mm  
0.67"



### STRAIGHTENING TOLERANCES

bending strain and torsion between  
3 mm/m standard and 1 mm/m  
0,12 '/ft (standard) and 0.04"/ft



### SURFACE ROUGHNESS

up to 0.6  $\mu\text{m}$  Ra max  
up to 0,00023622  $\mu\text{in}$  Ra max

Indicative values. The data are provided for general information purposes only and may not be considered to guarantee any product properties.



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