



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

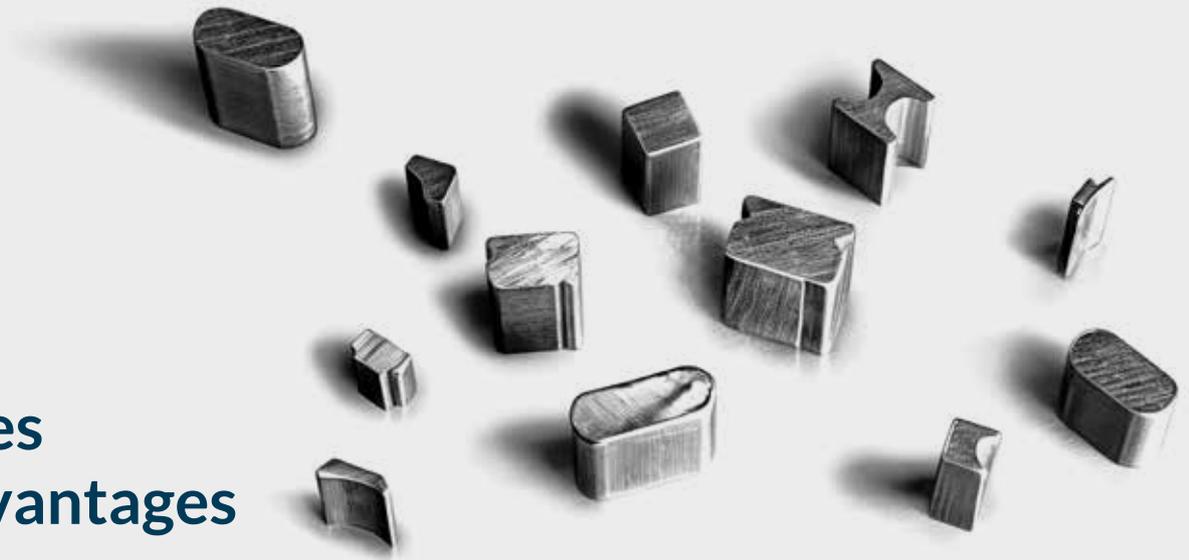


OIL&GAS



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"



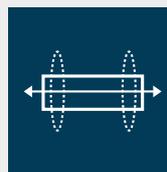
SIZE TOLERANCES

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 μm Ra max
up to 0,00023622 μin 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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