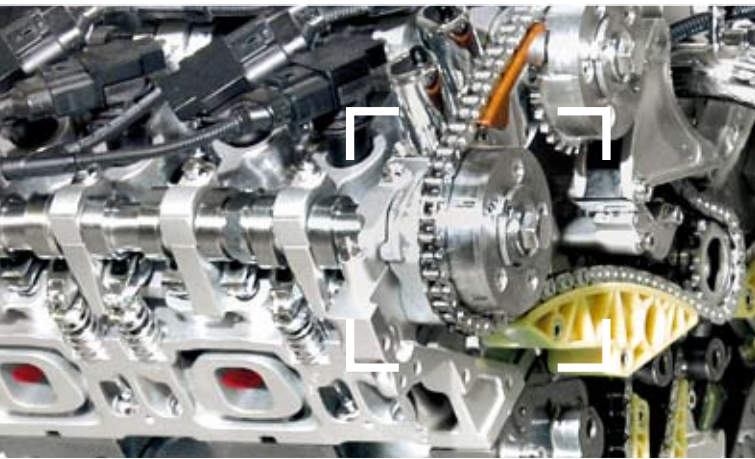




Narrow steel strip



Off-road or on-road – but always CDW

Our narrow steel strip helps to get the VW Touareg up to speed! The camshaft drive chain is made of narrow steel strip, and it replaces the conventional tooth belt. This chain offers a convincing technology in every respect: it is wear-resistant, strain-free and space-saving at the same time. Moreover, it is entirely insensitive to thermal changes, which means that performance and exactness are increased whereas fuel consumption is reduced considerably.

New technology, innovative materials and endless ideas – there is hardly any other industrial sector as versatile as the automotive industry. C.D. Wälzholz has always played a role in this progress right from the start. Many of the products using materials made by C.D. Wälzholz cannot be detected at first glance – just like this drive chain. But one thing is certain: you will realise our quality immediately.

This is what we call innovative strength: the most traditional product made in one of our companies can still contribute to improving today's technology.





It can be found everywhere – narrow steel strip made by C.D. Wälzholz. Every day it works reliably, in zips as well as in windscreen wipers of modern vehicles. This material even helps you to maintain your garden, since the teeth of leaf rakes are also made of narrow steel strip – they are lightweight, elastic and break proof.

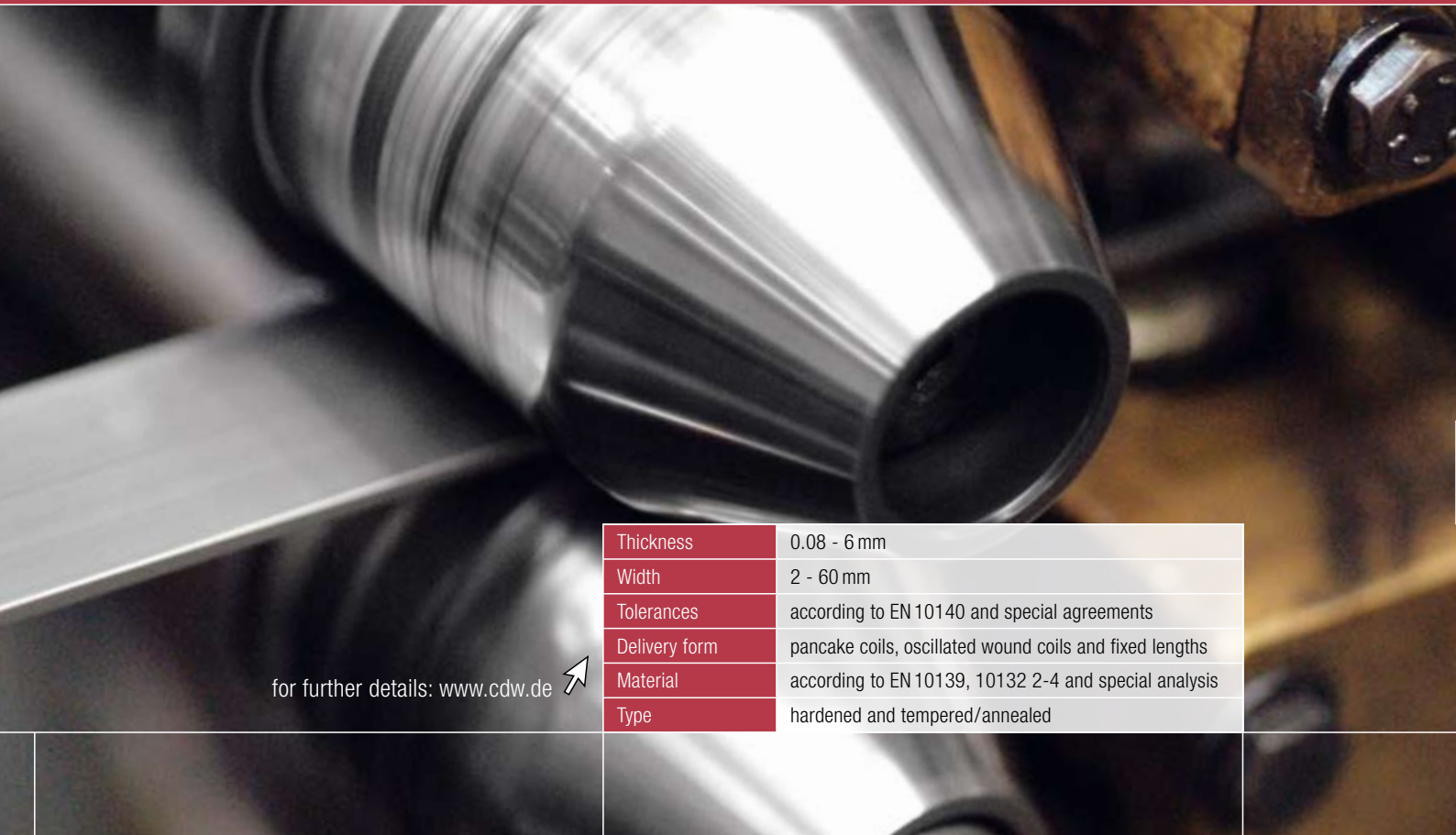
Steel strip for all applications

Narrow steel strip is one of the oldest products made by CDW. In flat wire production all material groups are used: we make narrow steel strip as spring steel, hardened and tempered steel, case-hardened steel as well as soft, unalloyed steel.

Manifold material groups ensure a number of different applications. Narrow steel strip is used to manufacture saw blades, music stands or zips, and even the retraction mechanism of the petrol hose nozzle at your nearest filling station only works because of its spiral spring made from steel strip produced by C.D. Wälzholz.

With the production of bushings, rollers and links CDW is one of the leading suppliers for the chain producing industry.

Narrow steel strip is an all-rounder if precise solutions are sought. Simply because of its round or trapeze-shaped edges it saves one production step in subsequent processing. It is prefabricated close to the final dimension of the customer's product and ensures precise tolerance dimensions in the μm range even for considerable lengths. Additionally, it is lightweight with outstanding durability and longevity.



for further details: www.cdw.de



Thickness	0.08 - 6 mm
Width	2 - 60 mm
Tolerances	according to EN 10140 and special agreements
Delivery form	pancake coils, oscillated wound coils and fixed lengths
Material	according to EN 10139, 10132 2-4 and special analysis
Type	hardened and tempered/annealed

Smart combinations – optimised production processes

C.D. Wälzholz has improved the production of narrow steel strip to perfection. Today we have achieved the optimal combination of long-lasting experience with state-of-the-art computer technology.

One of the key aspects during production is that all specified parameters are met at all times. Even the narrowest thickness and width tolerances are adhered to. Precise solutions are turned into even more precise ones and extremely homogeneous surfaces are ensured.

The basic requirement for outstanding quality and precision is the combination of production steps during processing. The material is rolled and annealed several times, and it is the drawing procedure in the pre-production phase which allows for thickness tolerances of $5 \pm \mu\text{m}$.

The subsequent work steps carried out at 2-high, 3-stand and 4-stand tandem rolling mills are supported by means of optimal measuring procedures and state-of-the-art control engineering.

Computer-controlled monitoring is an important part of CDW's quality and process management system. It continuously ensures outstanding product quality.

This applies in particular to intricate processes, e.g. the working and shaping of wires, since elongation as well as widening of the material have to be recorded and controlled very accurately during this production step. Repeated heat treatment in clearly production-oriented intervals ensures a continuous workability in the course of this particular process. Therefore C.D. Wälzholz can always guarantee first-class and high quality precision products.

Efficient production – from oscillated wound coils to jumbo coils

Apart from developing high-quality materials one of our main objectives has always been process optimisation. Together with our customers we constantly aim at enhancing production processes. One excellent example for such a constructive cooperation is the continuous development of our oscillated wound coils.

Investing in the latest technologies has helped us to increase the performance of oscillated coil production considerably. Today we are able to produce coils with a weight of up to 2,500 kg – an enormous increase aimed at benefiting all our customers in their economic activities!

Better safe than sorry

For us at C.D. Wälzholz outstanding quality and customer orientation go without saying. This does not merely apply to material and production, but also to packaging and despatch. Our modern automatic packaging equipment can guarantee smooth logistics between production line and shipping department.



Every type of transport is different. We have developed suitable and appropriate packaging for all national and international destinations depending on the respective requirements. Take our heavy-duty overseas packaging, for example, which will withstand the strains of long and rough transportation across the ocean.

However, although the perfect protection of our products is our main objective, we will never use more packaging material than absolutely necessary – for the benefit of the environment and of our customers. Furthermore, we attach great importance to clear marking and distinct traceability of our shipments.



C.D. Wälzholz – at home everywhere in the world

Steel is an extremely versatile material. The C.D. Wälzholz Group of Companies is just as versatile itself. As a progressive German cold rolling mill with a long tradition, C.D. Wälzholz today has subsidiaries and agencies all over the world. Therefore we are in a position to offer our international customers narrow steel strip in virtually any type and grade required – everywhere in the world.

Satisfied customers, highest quality as well as a responsible handling of the environment are our goal. Always.

Cold rolled high carbon steel strip

Hardened and tempered steel strip

Electrical steel strip

Cold rolled low carbon steel strip

Bonderized steel strip

Narrow steel strip

Profiles

