



WELCOME





COLD ROLLED, HARDENED & TEMPERED

Range of production

2019



Welcome

Hugo Schmitz looks back on a tradition of more than 150 years. Since the beginning of 2017 we are a part of the Risse + Wilke company group and would like to introduce ourselves to our customers. Besides the two cold rolling mills and the hot rolled slit strip company, we offer you high quality hardened and tempered strip steel in our plant in Hagen-Hohenlimburg. On our annealing furnaces and the connected plants, we are able to produce numerous qualities with the by the customer desired treatment condition, surface finish, edge form and grade.

Your Hugo Schmitz team

SIZE RANGE

Thickness: 0,30 - 4,00 mm*

Width: 5,00 - 400 mm*

* depending on profile

Bars:

Width: max. 400 mm

Length: 800 - 5000 mm

Other lengths on request

QUALITIES

- Cold rolled steels, alloyed and unalloyed
- Spring steels acc. to DIN EN 10132-4
- Heat-treatable steels acc. to DIN EN 10132-3
- Tool steels acc. to DIN EN ISO 4957
- Cold forming steels acc. to EN 10139

TOLERANCES

According to DIN EN 10140
Special tolerances on request

CONDITIONS OF SUPPLY

- single (pancake)
- oscillated (ribbon)
- spools
- cut lengths

SURFACE:

- A - annealed
- LC - skin passed
- CR - rolled to tensil (hardness)
- QT - quenched & tempered

EDGES

- slit edges (with minimum burr)
- deburred edges
- rolled edges
- round mill edges
- rounded edges (skiving)
- sharp rolled edges
- edges as per design (on request)

Company group:

Cold rolled steel strip

Hot rolled slit strip

Cold rolled hardened & tempered

Special steel for gang saws



Risse + Wilke
Kaltband und mehr ...

Wilke GmbH
Warmband und mehr ...

Hugo Schmitz
Kaltwalzwerk · Härtereie

GBS
General Business Service



DELIVERABLE SURFACES

Range of production

2019



SURFACE FINISHES

- bright rolled
- grey-blue (scaleless blue)
- grey bright
- bright hardened
- polished surface
 - fine polished
 - ground
- tempered to colour
- galvanized surface



Cold rolled

Bright surface finish



Scaleless Blue (Greyblue)

Surface with slight oxide film without guarantee of a specific evenly colour



Bright hardened surface

Matt bright surface finish with slight surface streaks (die scars)



White polished surface (brush polished)

Shiny, smooth surface, obtained by brush polishing



Leather polished

Bright, consistent grinding structure obtained by leather polishing; characteristic surface for saw applications



Blue polished

Bright, polished surface, obtained by controlled tempering with liquid salt, applicable in different blue evenly colours/nuances



Yellow / Straw polished

Bright, polished surface, obtained by controlled tempering, applicable in different yellow (straw) evenly colours/nuances

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STEEL STRIP FOR SAW BLADES



HAND WORKSHOP TOOLS

Special steel

2019



*GRADES

- C 67 S
- C 75 S
- C 85 S
- C 90 S
- C 100 S
- 42 CrMo 4
- 75 Cr 1
- 75 Ni 8
- 74 NiCr 2
- 80 CrV 2
- D 6 A
- 48 CrNiMoV4.4

SURFACE FINISHES

- bright hardened surface
- leather polished
- white polished surface
(brush polished)
- blue polished
- yellow / straw polished



*please inquire for other grades



*GRADES

- C 55 E
- C 55 S
- C 60 E
- C 60 S
- C 67 S
- C 75 S
- C 85 S
- C 90 S
- C 100 S
- 42 CrMo 4

SURFACE FINISHES

- bright hardened surface
- leather polished
- white polished surface
(brush polished)
- blue polished
- yellow / straw polished



*please inquire for other grades



Typical products: Band saws for extreme requirements, Hand Saws, Band Saws, Frame Saws, Hack Saws, Chain Saw Safety Guards, Circular Saws ...

Typical products: Spatulas, Putty knives, Smoothers, Toothed Spatulas, Scrapers, Trowels, Mortar Trowels, Pruning Blades and Head Shears, Rakes, Angles, Rulers ...

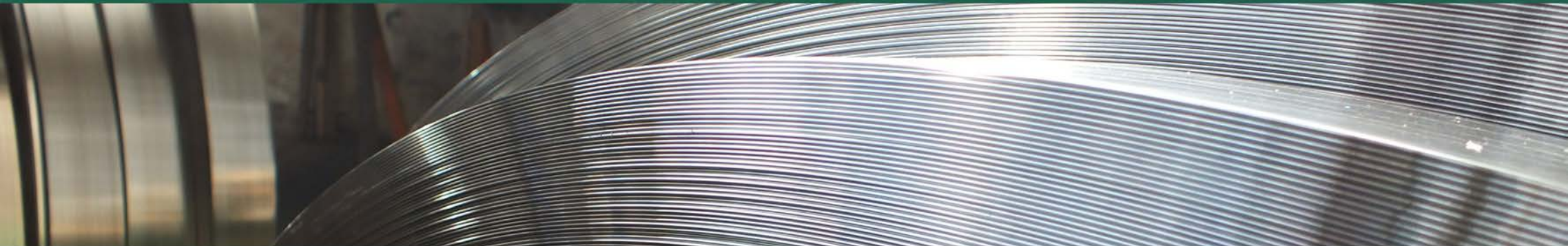
STEEL STRIP FOR SPRING STEEL



BENDING/ STAMPING PARTS

Special steel

2019



***GRADES**

- C 60 S
- C 67 S
- C 75 S
- C 85 S
- C 90 S
- C 100 S
- C 125 S
- 48 Si 7
- 56 Si 7
- 51 CrV 4
- 80 CrV 2

SURFACE FINISHES

- grey-blue (scaleless blue)
- bright hardened surface
- leather polished
- white polished surface (brush polished)
- blue polished
- yellow / straw polished



*please inquire for other grades

***GRADES**

- C 55 E
- C 55 S
- C 60 E
- C 60 S
- C 67 S
- C 75 S
- C 85 S

SURFACE FINISHES

- bright hardened surface
- leather polished
- electrogalvanised
- blue polished
- yellow / straw polished
- white polished surface (brush polished)
- chromated



*please inquire for other grades



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Hot rolled slit strip

Cold rolled hardened & tempered

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ROLLED FROM ROUND WIRED ROD AND MORE ...

Special steel

2019



*GRADES

- C 55 E
- C 55 S
- C 60 E
- C 60 S
- C 67 S
- C 75 S
- C 85 S
- C 90 S
- 42 CrMo 4
- 51 CrV 4
- 58 CrV 4

SURFACE FINISHES

- grey-blue (scaleless blue)
- bright hardened surface
- white polished surface (brush polished)
- blue polished
- yellow / straw polished



SURFACE:

- A - annealed
- LC - skin passed
- CR - rolled to tensil (hardness)
- QT - quenched & tempered



DELIVERABLE

- Packaging
- Spools
- cut lengths



FLAT WIRE

Typical products: Jigsaw blades, Springs, Specialty bend or formed products, Rakes, Precision Stamped Parts, Dipsticks, Skirt hoops, Orthopedic Products, Womens Garments ...



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MANAGING DIRECTION
PLANT MANAGEMENT
SALES DIRECTION



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