# RiWi-SSC Sawsteel Service Center

The offer contains a lot of grades and dimensions for different applications of Sawsteel. As there are the following types of saws:

**Circular saw blades:**

a) Standard grades: C75S, 75Cr1, 80CrV2,

b) Special grades: RiWillit, 75Ni8, 68CrNiMo33, 27MnCrB5-2

**Band saws:**

a) Standard grades: 51CrV4, D6A, C75S, 75Cr1

b) Special grades: RiWimendelejew

**Wood frame saws:**

a) Standard grades: C75S, 75Cr1, 80CrV2

b) Special grades: 75Ni8

**Diamond gang saw blades:**

a) Standard grades: C75S, 75Cr1, 75Ni8

b) Special grades: RiWistone

**We can also offer more grades with C-Contents from 0,25-1,00%.**

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|---|---|
| **Chemical cast analysis** | **Chemical analysis based on DIN EN 10132-3+4 and 10083-3 respectively, also special analysis** |
| **Strip thicknesses (mm)(1)** | **Martensite: 0,30 – 5,10 \| Bainite: 0,50 – 4,00** |
| **Strip widths (mm)(1)(3)** | **Martensite: 35 – 720 \| Bainite: 24 – 650** |
| **Mechanical properties (1)** | **Martensit: Spring steels Härte 30 – 54 HRC**<br>**Tempering steels Härte 30 – 46 HRC**<br>**Boron-alloyed steels Härte 30 – 44 HRC**<br>**Bainite: Tempering-/ spring steels Rm = 800 – 1.600 MPa** |
| **Surfaces (appearance + finish)** | **Bright, grey-blue, blue or yellow tempered, brush-polished** |
| **Edge condition** | **GK- slit edges, NK- mill or as-rolled edges, SK- special edges (machined or edge-rolled)** |
| **Dimensional tolerances** | **General tolerances: acc. to DIN EN 10140 and special agreement**<br>**Strip width tolerances: acc. to special agreement only** |
| **Flatness** | **Usually max. 1.0 µm/mm width for martensitic tempered spring steels with C-Contents of 0.67 - 1.00 %, max. 1.5 - 2.00 µm/mm width for boron-alloyed grades and tempering steels.**<br>**For the bainitic condition acc. to special agreement only.** |
| **Delivery forms** | **Coils and cut lengths** |
| **Cut to length dimensions (2)** | **Thickness: 0,50 – 5,10 mm Width: 80 – 720 mm Length: 400 – 4.000 mm** |
| **Specialities** | **Hardening of low carbon steel with very good flatness values. Hardening of extreme cross-sections with especially wide and thick dimensions**<br>**Hardened into intermediate structure with in-line decarbonisation for special applications** |

**(1) =Variations depending on grade and dimension to be Iaken into account (2) = Further dimensions upon agreement (3) = Strip width < 35 mm only available in slit-after-hardening condition**