

Precision Steel

# precidur® 68NiCrMo3-2 / 68CrNiMo3-3

Product information for hot-rolled precision strip made in Hohenlimburg



thyssenkrupp

Version 11/24

## Alloyed heat treatable and tool steel

Alloyed heat treatable and hardenable tool steels made of precidur® are employed for the production of saws and blades.

The special advantages of the hot-rolled precision strip lie in its uniform properties and defined microstructure combined with optimum cleanness.

Close analysis ranges tailored to specific purposes and precisely controlled rolling parameters guarantee consistent and outstanding processability and optimum heat treatment results, yielding maximum wear resistance.

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## precidur®

- is used in virtually all industry sectors.
- offers close thickness tolerances similar to cold-rolled strip, optimum surface finishes and consistent material properties over the entire strip length and width.
- is characterized by its symmetrical strip profiles and mill edges.
- is the sum of all the experience we have gained in more than 100 years of manufacturing and processing steel.

## Technical features

Tool steel

Material number:	1.2753 / 1.6595
Material name:	68NiCrMo3-2 / 68CrNiMo3-3
Proprietary brand:	precidur® 68NiCrMo3-2 / precidur® 68CrNiMo3-3
Delivery specification:	Based on DIN EN 10132
Application:	Tool steel for saws

### Chemical composition

Massenanteile der Schmelzanalyse	C [%]	Si [%]	Mn [%]	P [%]	S [%]	Cr [%]	Al [%]*	Ni [%]	Mo [%]
min.	0.64	0.15	0.30	-	-	0.40	-	0.50	0.15
max.	0.72	0.35	0.50	0.020	0.010	0.60	0.040	0.75	0.30

### Mechanical properties

Longitudinal to rolling direction	Tensile strength R <sub>m</sub> [MPa]	Elongation A <sub>5</sub> [%]
Rolled condition	Ø 1100	-
GKZ annealed	max. 700	min. 22

Restricted strength ranges can be agreed on request

### Possible delivery options

Options	Mill edge (NK) Cut edge (GK)	pickled	unpickled	slit	trimmed	Cut to length	annealed	not annealed
precidur® 68NiCrMo3-2	NK or GK	✓ or	✓	✓	✓	✓	✓	✓

### General thickness tolerances

Strip thickness [mm]	1.5 – 2.54	2.55 – 4.03	4.04 – 6.03	6.04 – 8.03	8.04 – 9.03	9.04 – 11.03	11.04 – 14.03	14.04 – 16.00
Standard tolerances [mm]	± 0.04	± 0.04	± 0.05	± 0.055	± 0.06	± 0.07	± 0.08	± 0.10
Special tolerances [mm]	± 0.03	± 0.035	± 0.04	± 0.045	± 0.05	± 0.055	± 0.06	± 0.07

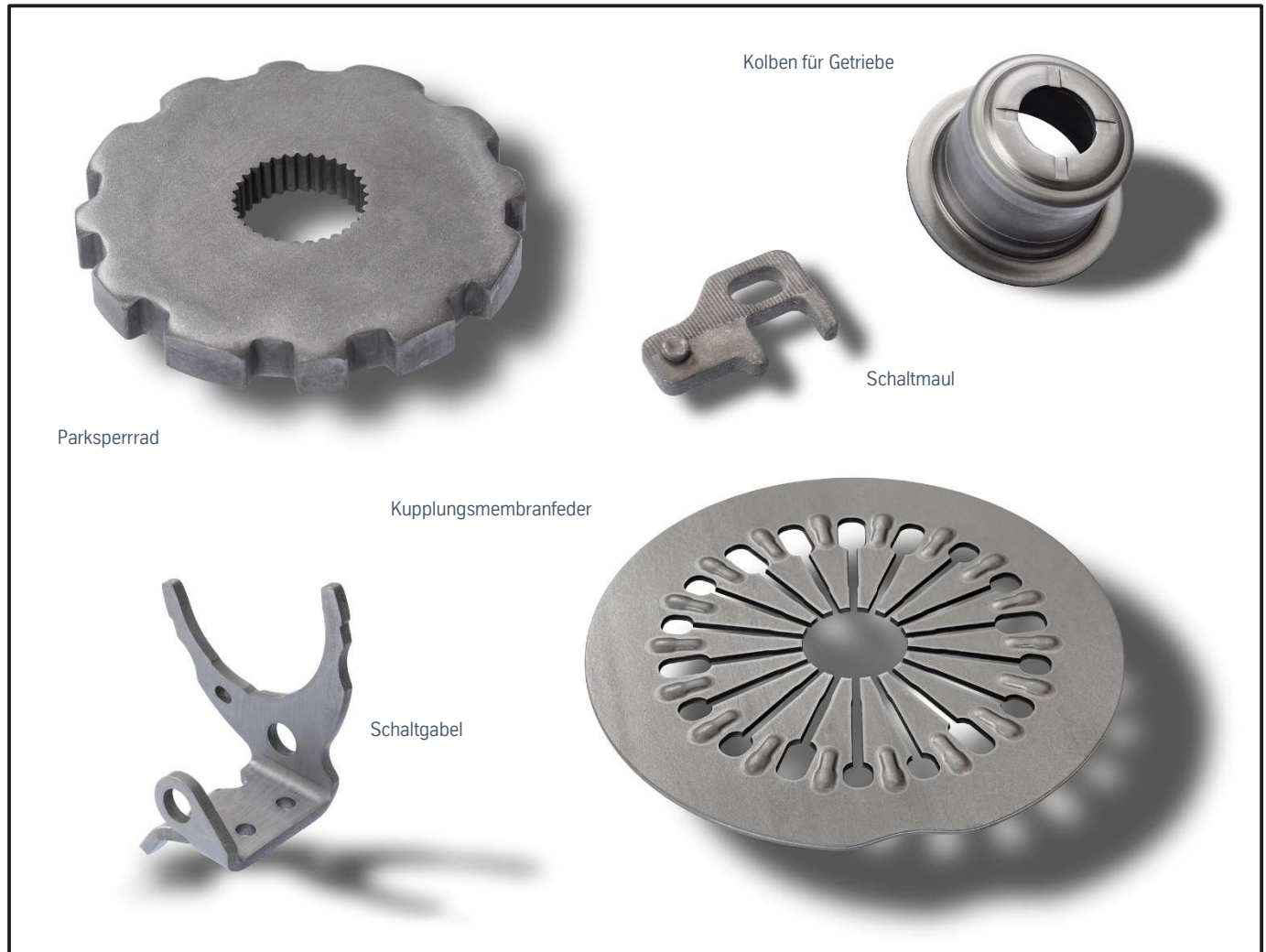
### General delivery options

Coil inner diameter:	standard 508 mm / optional 610 mm
Coil outer diameter:	max. 1,890 mm
Coil weight:	max. 20.5 kg/mm strip width
Strip width*:	max. 720 mm
Strip thickness*:	1.5 – 16 mm

\* May be subjected to restrictions.

Please contact our sales/technical customer advice team for detailed information.

## Application examples for alloyed heat treatable and tool steel



Special mill grades feature unique thyssenkrupp properties. Other terms and conditions of supply not specified here will be based on the applicable specifications. The specifications used will be those valid on the date of publication of this product information.

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