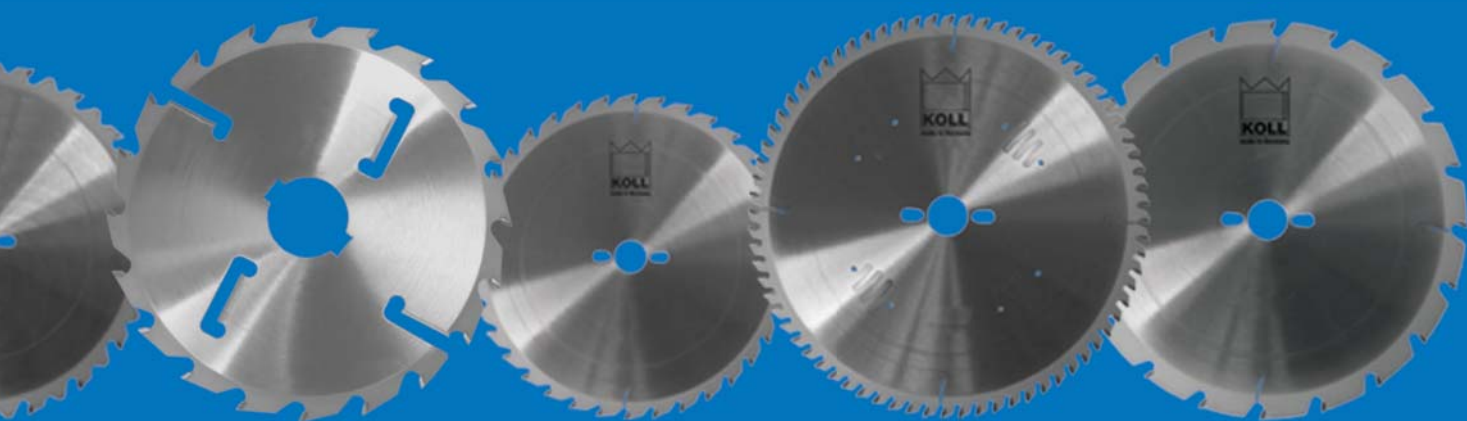




KOLL PROGRAMM KÖNIGSÄGE Made in Germany





Thüringen/Thuringia

Dear Business Partner,

The requirements for a quality tool are clearly defined: it should work, cut sharply and last as long as possible. The efforts that are needed to meet such requirements are often not recognized at first glance.

As a customer of KOLL & Cie. you can follow the entire development of producing a circular saw blade from the raw material to the high-tech result. All products and services are frequently controlled; we are DIN EN ISO 9001:2008 certified.

KOLL & Cie. GmbH & Co. KG is a family business with international orientation. We look back on nearly 150 years of experience with development and production "Made in Germany".

KOLL & COMPANIE was founded in 1868 in Remscheid, the former center of the tool industry in North-West Germany. The relocation to Bavaria has taken place in several stages since December 1977. Another major step was the purchase of SAEFA GmbH in Schmalkalden (Thuringia) in 1990, which since then has acted as an extended workbench for KOLL & Cie.

Nowadays KOLL & Cie. operates within an area of more than 20.000 square meters at two locations (Neunburg v. Wald, Bavaria and Schmalkalden, Thuringia). We are producing a diverse range of tools for industry, OEM, craft and trade. We have an extensive finished-products warehouse in which we keep more than 500 of the most common circular saw blade dimensions available.

For almost 150 years the brand "KÖNIGSÄGE" has been a synonym for German quality tools. We create customized solutions including the development of products, the design of product ranges, and the organization of smooth logistical processing.

KOLL & Cie. is your reliable and skilled partner in all matters. The faithful and constructive cooperation with our business partners is our highest priority.

We are always looking forward to new challenges. Challenge us!


Amke de Haan

483

Kreissägeblatt Präzision
TFpos (NE), Mehrzahn

Saw blade precision
TFpos (NE)

Anwendung: Kapp- und Aufteilschnitte in Profil, Platte, Block

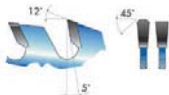
Application: Mitre and sizing cutting profile, plate, block

Werkstoff: NE-Metalle, Aluminium, Kunststoff
Maschinen: Gehrungssäge, CNC-Bearbeitungszentrum, automatische Kappsäge, Roboterbearbeitung

Material: Non-ferrous metal, aluminium, plastic
Machines: Mitre saw, CNC-treatment-center, automatic mitre saw, robot-treatment

Zahnform: TFpos (Trapez-Flachzahn positiv)

Tooth-form: TFpos (Triple chip grinded positive)



Bohrungsänderungen durch Erweiterung/Reduzierung modification of bore with expansion/reduction

| Bestell-Nr | D | B | b | d | Z | Form | Φ | LZ | €/VE |
|----------------|-----|-----|-----|-------|-----|-------|-----------------|-----|--------|
| 78 25030060 88 | 250 | 3,2 | 2,6 | 30 | 60 | TFpos | 2 KNL | 84 | 85,00 |
| 78 25032060 88 | 250 | 3,2 | 2,6 | 32 | 60 | TFpos | 2 KNL | 85 | 85,00 |
| 78 27540072 88 | 275 | 3,4 | 2,8 | 40 | 72 | TFpos | 2/9/55//4/12/64 | | 97,75 |
| 78 30032072 88 | 300 | 3,2 | 2,6 | 32/30 | 72 | TFpos | 2 KNL | 97 | 103,75 |
| 78 35030084 88 | 350 | 3,6 | 3,0 | 32/30 | 84 | TFpos | 2 KNL | 107 | 124,50 |
| 78 35032084 88 | 350 | 3,6 | 3,0 | 32 | 84 | TFpos | 2 KNL | 107 | 124,50 |
| 78 35040084 88 | 350 | 3,6 | 3,0 | 40 | 84 | TFpos | 2/9/55//4/12/64 | 109 | 124,50 |
| 78 40040096 88 | 400 | 3,6 | 3,0 | 40 | 96 | TFpos | 2/9/55//4/12/64 | 114 | 139,25 |
| 78 42040096 88 | 420 | 4,0 | 3,4 | 40 | 96 | TFpos | 2/9/55//4/12/64 | | 204,25 |
| 78 50030120 88 | 500 | 4,0 | 3,4 | 30 | 120 | TFpos | 2 KNL/2/10,5/70 | 120 | 243,75 |

486

Kreissägeblatt Präzision
TFpos (NE), Vielzahn

Saw blade precision
TFpos (NE)

Anwendung: Kapp- und Aufteilschnitte in Profil, Platte, Block

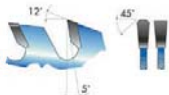
Application: Mitre- and sizing cutting profile, plate, block

Werkstoff: NE-Metalle, Aluminium, Kunststoff
Maschinen: Gehrungssäge, CNC-Bearbeitungszentrum, automatische Kappsäge, Roboterbearbeitung

Material: Non-ferrous metal, aluminium, plastic
Machines: Mitre saw, CNC-treatment-center, automatic mitre saw, robot-treatment

Zahnform: TFpos (Trapez-Flachzahn positiv)

Tooth-form: TFpos (Triple chip grinded positive)



Bohrungsänderungen durch Erweiterung/Reduzierung modification of bore with expansion/reduction

| Bestell-Nr | D | B | b | d | Z | Form | Φ | LZ | €/VE |
|----------------|-----|-----|-----|----|-----|-------|-----------------|-----|--------|
| 78 25030080 88 | 250 | 3,2 | 2,6 | 30 | 80 | TFpos | 2 KNL | 84 | 98,75 |
| 78 25032080 88 | 250 | 3,2 | 2,6 | 32 | 80 | TFpos | 2 KNL | 85 | 98,75 |
| 78 30030096 88 | 300 | 3,2 | 2,6 | 30 | 96 | TFpos | 2 KNL | 97 | 120,00 |
| 78 30040096 88 | 300 | 3,2 | 2,6 | 40 | 96 | TFpos | 2/9/55//4/12/64 | 99 | 120,00 |
| 78 35030108 88 | 350 | 3,6 | 3,0 | 30 | 108 | TFpos | 2 KNL | 107 | 141,50 |
| 78 35032108 88 | 350 | 3,6 | 3,0 | 32 | 108 | TFpos | 2 KNL | 107 | 141,50 |
| 78 35040108 88 | 350 | 3,6 | 3,0 | 40 | 108 | TFpos | 2/9/55//4/12/64 | 109 | 141,50 |

490

Kreissägeblatt Präzision
TFneg (NE), Wenigzahn

Saw blade precision
TFneg (NE)

Anwendung: Kapp- und Aufteilschnitte in Profil, Platte, Block

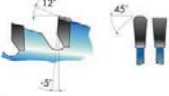
Application: Mitre- and sizing cutting profile, plate, block

Werkstoff: NE-Metalle, Aluminium, Kunststoff
Maschinen: Gehrungssäge, CNC-Bearbeitungszentrum, automatische Kappsäge

Material: Non-ferrous metal, aluminium, plastic
Machines: Mitre saw, CNC-treatment-center, automatic mitre saw

Zahnform: TFneg (Trapez-Flachzahn negativ)

Tooth-form: TFneg (Triple chip grinded negative)



Bohrungsänderungen durch Erweiterung/Reduzierung modification of bore with expansion/reduction

| Bestell-Nr | D | B | b | d | Z | Form | Φ | LZ | €/VE |
|----------------|-----|-----|-----|-------|----|-------|-----------------|-----|----------|
| 79 25030040 88 | 250 | 3,4 | 2,8 | 32/30 | 40 | TFneg | 2 KNL | 84 | 72,25 A |
| 79 35030056 88 | 350 | 3,4 | 2,8 | 30 | 56 | TFneg | 2 KNL | 107 | 131,25 |
| 79 35040056 88 | 350 | 3,4 | 2,8 | 40 | 56 | TFneg | 2/9/55//4/12/64 | 109 | 142,50 A |
| 79 35050056 66 | 350 | 3,4 | 2,8 | 50 | 56 | TFneg | 4/15/80 | 110 | 133,25 |

Für Profilstärken von 8 - 50 mm
auch bei Vollmaterial/
for profiles form 8 - 50 mm, also
for solid material

493

Kreissägeblatt Präzision
TFneg (NE), Mehrzahn

Anwendung: Kapp- und Aufteilschnitte in Profil, Platte, Block

Werkstoff: NE-Metalle, Aluminium, Kunststoff
Maschinen: Gehrungssäge, CNC-Bearbeitungszentrum, automatische Kappsäge

Zahnform: TFneg (Trapez-Flachzahn negativ)

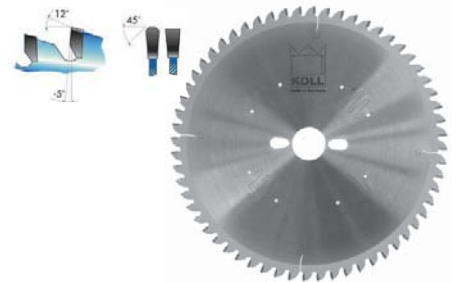
Saw blade precision
TFneg (NE)

Application: Mitre- and sizing cutting in profile, plate, block

Material: Non-ferrous metal, aluminium, plastic
Machines: Mitre saw, CNC-treatment-center, automatic mitre saw

Tooth-form: TFneg (Triple chip grinded negative)

| Bestell-Nr | D | B | b | d | Z | Form | $\Phi \pm \frac{\Delta}{\Phi}$ | LZ | | €/VE |
|----------------|-----|-----|-----|-------|-----|-------|--------------------------------|-----|----|--------|
| 79 18030042 99 | 180 | 3,0 | 2,4 | 30 | 42 | TFneg | 2/7/42 | 49 | | 55,00 |
| 79 19030042 99 | 190 | 3,2 | 2,4 | 30 | 42 | TFneg | 2/7/42 | 55 | | 55,50 |
| 79 21030042 99 | 210 | 2,6 | 1,8 | 30 | 42 | TFneg | 2/7/42 | 66 | | 55,75 |
| 79 21630048 88 | 216 | 3,2 | 2,6 | 30 | 48 | TFneg | 2/7/42 | 68 | | 64,25 |
| 79 25030060 87 | 250 | 3,4 | 2,8 | 30 | 60 | TFneg | 2 KNL | 84 | ⊥x | 74,25 |
| 79 25035060 88 | 250 | 3,4 | 2,8 | 35/32 | 60 | TFneg | 2/9/55//4/12/64 | 85 | ⊥x | 74,25 |
| 79 25040060 88 | 250 | 2,4 | 2,8 | 40 | 60 | TFneg | 2/9/55//4/12/64 | 86 | ⊥x | 74,25 |
| 79 27540060 66 | 275 | 3,4 | 2,8 | 40 | 60 | TFneg | 2/9/55//4/12/64 | | | 90,00 |
| 79 30030072 98 | 300 | 3,4 | 2,8 | 30 | 72 | TFneg | 2 KNL | | ⊥x | 99,25 |
| 79 30032072 87 | 300 | 3,2 | 2,8 | 32 | 72 | TFneg | 2 KNL//2/12/64 | | ⊥x | 99,25 |
| 79 30040072 88 | 300 | 3,4 | 2,8 | 40 | 72 | TFneg | 2 KNL//2/12/64 | | ⊥x | 99,25 |
| 79 30530080 87 | 305 | 3,2 | 2,5 | 30 | 80 | TFneg | 2 KNL | 104 | ⊥x | 103,25 |
| 79 35030084 98 | 350 | 3,4 | 2,8 | 30 | 84 | TFneg | 2 KNL | 107 | ⊥x | 112,50 |
| 79 35032084 87 | 350 | 3,8 | 3,4 | 32 | 84 | TFneg | 2 KNL//2/12/64 | | ⊥x | 138,75 |
| 79 35040084 88 | 350 | 3,4 | 2,8 | 40 | 84 | TFneg | 2/9/55//4/12/64 | 109 | ⊥x | 112,50 |
| 79 35050084 88 | 350 | 3,4 | 2,8 | 50 | 84 | TFneg | 4/15/80 | | ⊥x | 112,50 |
| 79 40030096 98 | 400 | 3,4 | 2,8 | 30 | 96 | TFneg | 2 KNL | 113 | ⊥x | 137,00 |
| 79 40032096 98 | 400 | 3,4 | 2,8 | 32 | 96 | TFneg | 2 KNL//2/12/64 | | | 137,00 |
| 79 40040096 88 | 400 | 3,4 | 2,8 | 40 | 96 | TFneg | 2/9/55//4/12/64 | 114 | | 137,00 |
| 79 40050096 87 | 400 | 3,4 | 2,8 | 50 | 96 | TFneg | 4/12/64 | 115 | | 137,00 |
| 80 45030110 98 | 450 | 4,0 | 3,4 | 30 | 110 | TFneg | 2 KNL | 118 | | 205,00 |
| 80 45032110 87 | 450 | 4,0 | 3,4 | 32 | 110 | TFneg | 2/9/55+4/12/64 | | | 205,00 |
| 80 45040110 88 | 450 | 4,0 | 3,4 | 40 | 110 | TFneg | 2/9/55//4/12/64 | 122 | | 205,00 |
| 80 50030120 99 | 500 | 4,4 | 3,8 | 30 | 120 | TFneg | 2 KNL | 120 | | 252,25 |
| 80 50032120 88 | 500 | 4,4 | 3,8 | 32 | 120 | TFneg | 2 KNL | 135 | | 252,25 |
| 80 50050120 88 | 500 | 4,4 | 3,8 | 50 | 120 | TFneg | 4/15/80 | 121 | | 252,25 |



Für Profilstärken von 4 - 20 mm auch bei Vollmaterial/
for profiles form 4 - 20 mm, also for solid material

496

Kreissägeblatt Präzision
TFneg (NE), Vielzahn

Anwendung: Kapp- und Aufteilschnitte in Profil, Platte, Block

Werkstoff: NE-Metalle, Aluminium, Kunststoff
Maschinen: Gehrungssäge, CNC-Bearbeitungszentrum, automatische Kappsäge

Zahnform: TFneg (Trapez-Flachzahn negativ)

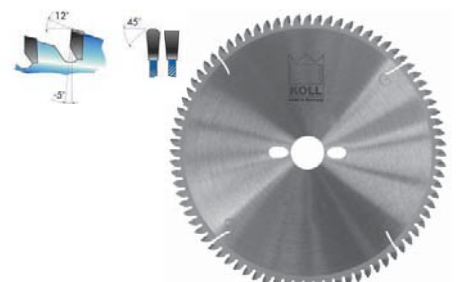
Saw blade precision
TFneg (NE)

Application: Mitre- and sizing cutting in profile, plate, block

Material: Non-ferrous metal, aluminium, plastic
Machines: Mitre saw, CNC-treatment-center, automatic mitre saw

Tooth-form: TFneg (Triple chip grinded negative)

| Bestell-Nr | D | B | b | d | Z | Form | $\Phi \pm \frac{\Delta}{\Phi}$ | LZ | | €/VE |
|------------------|-----|-----|-----|----|-----|-------|--------------------------------|-----|----|--------|
| 79 16020056 99 | 160 | 2,5 | 1,8 | 20 | 56 | TFneg | 2/5,3/32 | 33 | | 49,00 |
| A 79 18030056 88 | 180 | 2,4 | 1,8 | 30 | 56 | TFneg | 2/7/42 | 49 | | 59,75 |
| 79 20518064 88 | 205 | 3,2 | 2,6 | 18 | 64 | TFneg | | 61 | | 68,25 |
| 80 20930064 88 | 209 | 3,2 | 2,6 | 30 | 64 | TFneg | 2/7/42 | 66 | | 69,00 |
| 79 21030054 88 | 210 | 2,6 | 1,8 | 30 | 54 | TFneg | 2/7/42 | 66 | | 61,75 |
| 79 21630064 99 | 216 | 3,2 | 2,6 | 30 | 64 | TFneg | 2 KNL | 68 | | 69,25 |
| 79 22530068 99 | 225 | 2,5 | 1,8 | 30 | 68 | TFneg | 2 KNL | 73 | | 72,50 |
| 80 25020080 99 | 250 | 3,4 | 2,8 | 20 | 80 | TFneg | 2/5,3/32 | | | 93,00 |
| 79 25030080 98 | 250 | 3,4 | 2,8 | 30 | 80 | TFneg | 2 KNL | 84 | | 93,00 |
| 80 25032080 99 | 250 | 3,2 | 2,6 | 32 | 80 | TFneg | 2 KNL//2/12/64 | 85 | ⊥x | 93,00 |
| 80 25040080 88 | 250 | 3,4 | 2,8 | 40 | 80 | TFneg | 2/9/55//4/12/64 | 86 | ⊥x | 93,00 |
| 80 26030080 88 | 260 | 2,6 | 1,8 | 30 | 80 | TFneg | 2 KNL | 125 | ⊥x | 89,00 |
| 80 27030088 88 | 270 | 3,2 | 2,6 | 30 | 88 | TFneg | 2 KNL | 91 | | 103,75 |
| 80 30030096 98 | 300 | 3,2 | 2,6 | 30 | 96 | TFneg | 2 KNL | 97 | | 110,50 |
| 80 30032096 87 | 300 | 3,2 | 2,6 | 32 | 96 | TFneg | 2 KNL//2/12/64 | 98 | ⊥x | 110,50 |
| 80 30040096 88 | 300 | 3,2 | 2,6 | 40 | 96 | TFneg | 2/9/55//4/12/64 | 99 | ⊥x | 110,50 |
| 80 30530096 88 | 305 | 3,2 | 2,5 | 30 | 96 | TFneg | 2 KNL | 104 | ⊥x | 112,25 |
| 80 31530096 88 | 315 | 3,2 | 2,5 | 30 | 96 | TFneg | 2 KNL | 101 | | 113,00 |
| A 79 33030096 66 | 330 | 3,4 | 2,8 | 30 | 96 | TFneg | 2 KNL | 102 | | 120,00 |
| 79 33032096 88 | 330 | 3,4 | 2,8 | 32 | 96 | TFneg | | 103 | | 120,00 |
| 80 35030108 98 | 350 | 3,4 | 2,8 | 30 | 108 | TFneg | 2 KNL | 107 | | 132,25 |
| 80 35032108 98 | 350 | 3,4 | 2,8 | 32 | 108 | TFneg | 2/9/55+4/12/64 | 107 | ⊥x | 132,25 |
| 80 35040108 88 | 350 | 3,4 | 2,8 | 40 | 108 | TFneg | 2/9/55//4/12/64 | 109 | ⊥x | 132,25 |
| 88 35050108 88 | 350 | 3,4 | 2,8 | 50 | 108 | TFneg | 4/15/80 | 110 | ⊥x | 132,25 |
| 80 40030120 98 | 400 | 3,4 | 2,8 | 30 | 120 | TFneg | 2 KNL | 113 | ⊥x | 155,75 |
| 80 40032120 88 | 400 | 3,4 | 2,8 | 32 | 120 | TFneg | 2 KNL//2/12/64 | | ⊥x | 155,75 |
| 80 40040120 88 | 400 | 3,4 | 2,8 | 40 | 120 | TFneg | 2/9/55//4/12/64 | 114 | ⊥x | 155,75 |





Für Profilstärken von 2 - 8 mm auch bei Vollmaterial/
for profiles form 2 - 8 mm, also for solid material

400

Kreissägeblatt Präzision Fertigschnitte
XWF

Saw blade precision finish cut
XWF

Anwendung: Längs- und Querschnitte
Werkstoff: dünnes Acrylglas, Pertinax, Leiterplatten,
Epoxid, Furnierpaket, Hartpapier
Ausführung: geräusch- und schwingungsarme Ausführung 
Maschinen: Format- und Furnierkreissägen
Zahnform: XWF (Wechselzahn mit Fase)




Application: Rip- and cross cutting
Material: Thin acryl-glass, pertinax, conductor plates,
epoxid, veneer-package, hard paper
Implementation: Low noise/vibration 
Machines: Panel sizing and veneer saw
Tooth-form: XWF (ATB Alternate top bevel chamfered)

Bohrungsänderungen durch Erweiterung/Reduzierung modification of bore with expansion/reduction



XWF= Wechselz.
XWF= ATB Tooth

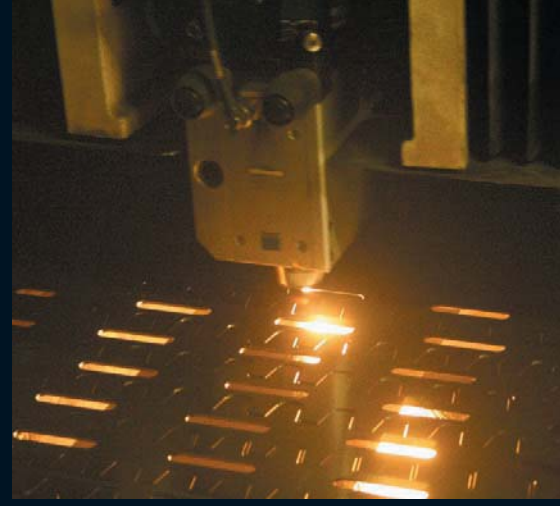
Wneg= Wechselz. neg.
W= ATB neg

| Bestell-Nr | D | B | b | d | Z | Form |  | LZ | €/VE |
|----------------|-----|-----|-----|----|-----|-------|---|----|------|
| 74 15030060 88 | 150 | 2,2 | 1,6 | 30 | 60 | XWF | 2/7/42 | 29 | |
| 74 20030080 88 | 200 | 2,2 | 1,6 | 30 | 80 | XWF | 2/7/42 | 60 | |
| 74 25030100 88 | 250 | 2,2 | 1,6 | 30 | 100 | XWF | 2 KNL  | 84 | |
| 74 30030120 88 | 300 | 2,2 | 1,6 | 30 | 120 | XWF | 2 KNL  | 97 | |
| 74 30030120 87 | 300 | 2,2 | 1,8 | 30 | 120 | W neg | | | |

We commit ourselves to the responsible use of resources, take long-term decisions and devote ourselves to fairness.

We meet our customer's requirements with individual solutions!

The constant readiness to permanent change and innovation is a matter of course.



Koll & Cie. - taking on every challenge to bring your business ahead!

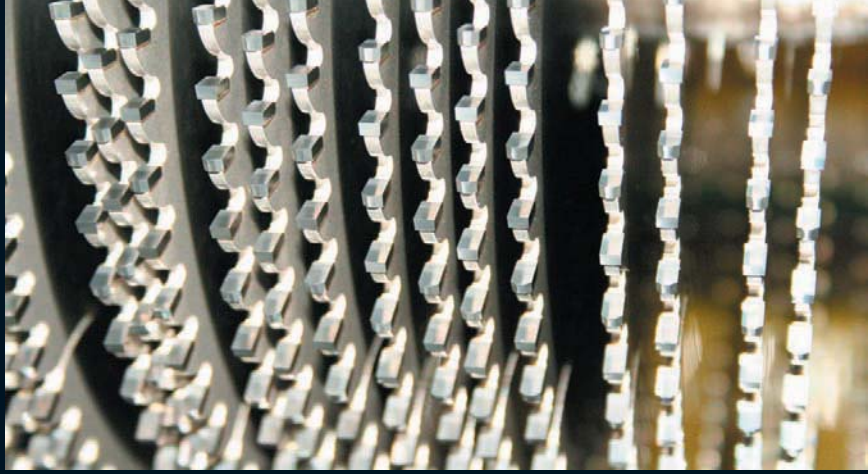


Wir verpflichten uns dem verantwortungsvollen Einsatz von Ressourcen, treffen langfristige Entscheidungen und verschreiben uns der Fairness.

Anforderungen unserer Kunden begegnen wir mit individuellen Lösungsansätzen!

Die ständige Bereitschaft zu permanenten Veränderungen und Innovationen ist für uns selbstverständlich.

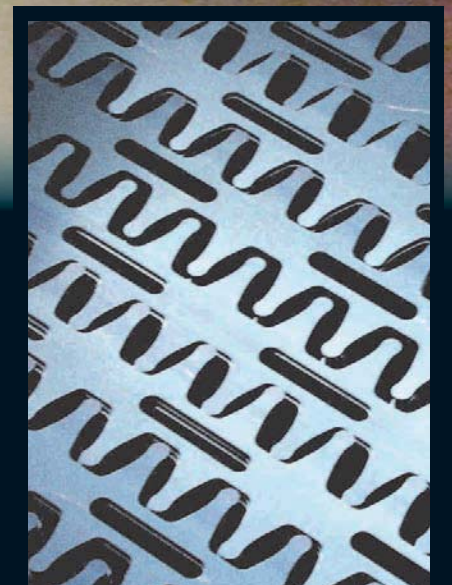




Koll & Cie. - competence in sawing!

We invest in modern processes and production facilities as well as in efficient organizational and management structures for the continuous reduction of costs and time.

Wir investieren sowohl in modernste Verfahren und Produktionsanlagen als auch in effiziente Organisations- und Führungsstrukturen zur kontinuierlichen Reduktion von Kosten und Zeitaufwand.



Koll & Cie. - always on the cutting edge!

We offer our customers essential benefits due to the combination of innovation, flexibility, competence and many years of experience.

Durch die Kombination von Innovation, längerjähriger Erfahrung, Kompetenz und Flexibilität bieten wir unseren Kunden entscheidende Vorteile.

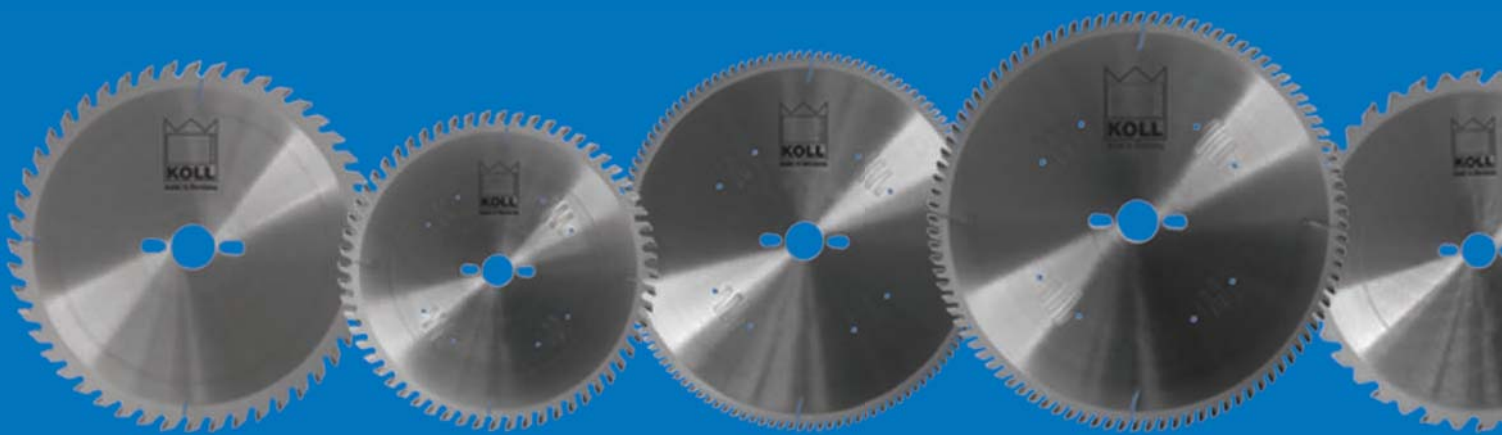




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| Gattersägen | Frame-saw blades |
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Koll & Cie. GmbH & Co. KG
Industriestraße 10
92431 Neunburg vorm Wald, Germany
Phone: +49 (0)9672 / 505 - 0
Fax: +49 (0)9672 / 505 - 80
Internet: www.kollgermany.de
E-mail: info@kollgermany.de



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