

DÜNNSCHNITTKREISSÄGEBLÄTTER

THIN KERF CIRCULAR COLD SAW BLADES



QUALITÄT UND ZUVERLÄSSIGKEIT SEIT 1969
QUALITY AND RELIABILITY SINCE 1969

www.dress-tools.de

Thin kerf circular saw blades (TCT) for tube cutting

FALCON

For cutting tubes and profiles



Our FALCON circular saw blades are mainly used for tube and profile cutting, inter alia in the automotive industry on static machines such as Adige, RSA, Nishijima etc. as well as on lighter machines like OMP, BEWO, Soco etc.

Application: All types of tubes with a tensile strength up to zu 1.600 N / mm²

Parameter: Cutting speed: 180 – 320 m/min.
Feed rate: 0,04 – 0,14 mm / tooth

Application: All thin-walled tubes with a tensile strength up to 800 N / mm²

Parameter: Cutting speed: 160 – 280 m/min.
Feed rate: 0,025 – 0,12 mm / tooth

Size [mm]	Bore [mm]	Pin holes	No. of teeth
250 x 2,0/1,70 250 x 2,0/1,75	32 40	4/9/50 + 4/11/63 2/15/80 + 4/12/64	60/72/80/100 60/72/80/100
285 x 2,0/1,70 285 x 2,0/1,75	32 40	4/9/50 + 4/11/63 2/12/80 + 2/15/80	80/100/120 80/100/120
315 x 2,3/2,0 315 x 2,3/2,0	32 40	4/11/63 2/15/80 + 4/12/64	100/120 100/120
315 x 2,5/2,25	32	4/9/50	100/120
350 x 2,7/2,5	50	4/16/80	100/120/140
360 x 2,6/2,25 360 x 2,6/2,25 360 x 2,6/2,25	32 40 50	4/11/63 2/11/63 + 2/15/80 + 4/11/90 4/16/80	100/120/140 100/120/140 100/120/140
400 x 2,8/2,5	50	4/16/80	100/120
425 x 2,7/2,27	50	4/16/80	100/120/140
450 x 2,8/2,5	50	4/16/80	120/130/140/160
500 x 3,5/3,0	50	4/16/80	120/140/170

*Other sizes available on request.

Thin kerf circular saw blades (TCT) for tube cutting
on flying cut-off machines

FALCON – FLY CUT

For cutting tubes and profiles



When regular HSS circular saw blades exhaust their limits, our FALON Fly cut saw blades are the best solution when using flying cut-off machines featuring one or two saw blades. The special PVD-coating of these saw blades ensures higher operation speed and at the same time reduced cutting times.

Application: All tube mills, round or square with a tensile strength up to 1.600 N / mm²
Parameters: Cutting speed: 150 – 600 m/min.
Feed rate: 0,03 – 0,07 mm / tooth (Fz1) und 0,06 – 0,2 mm / tooth (Fz2)

Size [mm]	Bore [mm]	Pin holes	No. of teeth
400 x 3,6/3,2	50	4/16/80	100/120/130/140
425 x 3,6/3,2	50	4/16/80	120/130/140
450 x 3,6/3,2	50	4/16/80	120/130/140/160
500 x 3,6/3,2	50	4/16/80	120/130/140/160/170
550 x 3,6/3,2	80 90 140	4/23/120 3/12,5/160 4/17,5/170	120/140/150/160/170 120/140/150/160/170 120/140/150/160/170
560 x 3,6/3,2	80 90 140	4/23/120 3/12,5/160 4/17,5/170	120/140/150/160/170 120/140/150/160/170 120/140/150/160/170
600 x 3,6/3,2	80 90 140	4/23/120 3/12,5/160 4/17,5/170	140/150/160/170 140/150/160/170 140/150/160/170
630 x 3,6/3,2	80 90 140	4/23/120 3/12,5/160 4/17,5/170	140/160 140/160 140/160
650 / 690 x 3,6/3,2	80	4/23/120	150/170

*Other sizes available on request.

Thin kerf circular saw blades (TCT) for tube cutting
on orbital flying cut-off machines

FALCON – ORBITAL CUT

For cutting tubes and profiles



These saw blades are most suitable for using on orbital flying cut-off machines such as Nakata, SMS Meer, Fusakabe etc. Their special PVD-coating ensures a high wear resistance and extremely robust teeth to withstand any kind of vibration. The saw blades can be resharpened.

Application: Orbital cuts for round and square tubes and pipes
Parameters: Cutting speed: 200 – 600 m/min.
Feed rate: 0,04 – 0,12 mm / tooth

Size [mm]	Bore [mm]	Pin holes	No. of teeth
300 x 3,8/3,0	80	4/23/120	44/52
315 x 3,5/2,7	50	4/16/80 + 4/13/90	52/60/70/80/90
315 x 3,8/3,0	50	4/16/80 + 4/13/90	52/60/70/80/90
350 x 2,9/2,25	45	4/17/120	52/60/70/80/90/100
350 x 3,5/2,9	50	4/16/80 + 4/13/90	52/60/70/80/90/100
350 x 3,8/3,0	50	4/16/80 + 4/13/90	52/60/70/80/90/100
355 x 2,9/2,25	45	4/17/120	52/60/70/80/90/100
355 x 3,5/2,9	50	4/16/80 + 4/13/90	52/60/70/80/90/100
380 x 3,8/3,0	115	2/21/200	52/60/70/80/90/100
400 x 3,8/3,0	115	2/21/200	100

*Other sizes available on request.

Thin kerf circular saw blades (TCT + Cermet) for cutting solid material

TAURUS

For solid cutting



Our TAURUS CT saw blades are mainly used for working solid carbon steel on machines like Tsune, Noritake, Bekamak, Everising etc.

Application: Solid steel bars up to a tensile strength up to 750 N / mm²
 Parameter: Cutting speed: 100 – 130 m/min.
 Feed rate: 0,04 – 0,1 mm / tooth

The TAURUS CT saw blades are also available as coated version. Due to the special coating finish, we are able to guarantee a longer tool lifetime, more even cutting surfaces and less noise during the cutting process.

Application: Solid steel bars with a tensile strength up to 900 N / mm²
 Parameters: Cutting speed: 100 – 200 m/min.
 Feed rate: 0,04 – 0,14 mm / tooth

Complementary to our TAURUS CT saw blades, we offer our TAURUS HM as optimal solution when it comes to cutting alloyed solid steel resp. solid material made of stainless steel and titanium. Thanks to an additional coating, these saw blades achieve a high cutting speed resp. feed rate.

Application: **Carbon steel / alloyed solid bars** on sawing machines like Kasto, Behringer, Ficep etc.
 Parameters: Cutting speed: 100 – 280 m/min.
 Feed rate: 0,06 – 0,1 mm / tooth

Application: **Stainless steel resp. titanium solid bars** on sawing machines like Amada, Simec, Bekamak etc.
 Parameter: Cutting speed / stainless steel: 50 – 120 m/min.
 Feed rate / stainless steel: 0,05 – 0,1 mm / tooth

Cutting speed / titanium: 50 – 100 m/min.
 Feed rate / titanium: 0,03 – 0,06 mm / tooth

Size [mm]	Bore [mm]	Pin holes	No. of teeth
250 x 2,0/1,70 250 x 2,0/1,75	32 40	4/9/50 + 4/11/63 2/15/80 + 4/12/64	60/72/80/100 60/72/80/100
285 x 2,0/1,70 285 x 2,0/1,75	32 40	2/9/50 + 4/11/63 2/12/80 + 2/15/80	60/72/80/100 60/72/80/100

315 x 2,3/2,0 315 x 2,3/2,0	32 40	4/11/63 2/15/80 + 4/12/64	60/72/80/100 60/72/80/100
315 x 2,5/2,25	32	4/9/50	60/72/80/100
360 x 2,6/2,25	32 40 50	4/11/63 2/11/63 + 2/15/80 + 4/12/90 4/16/80	60/80/100 60/80/100 60/80/100
420 x 2,6/2,27	40/50	2/15/80	60/80/100
425 x 2,7/2,25	50	4/16/80 + 4/12/90	60/80/100
450 x 2,8/2,25	50	4/16/80	60/80/100
460 x 2,7/2,25	50	4/16/80 + 4/12/90	40/60/80/100

*Other sizes available on request.

Dress Werkzeuge Hentschke GmbH + Co.
Gottlob-Linck-Str. 14, 75443 Ötisheim
Tel.: +49 7041 8712-0
Fax: +49 7041 8712-28
E-Mail: info@dress-tools.de
Internet: www.dress-tools.de