

**FEIN.** Unverwüstliche  
Elektrowerkzeuge.



## **FEIN: The Inventor Of Power Tools.**

**Since 1867: Enduring, Functional & Specialist Power Tools Made In Germany.**

► METAL | INTERIOR CONSTRUCTION | AUTOMOTIVE



**2014:**  
More Revolutionary  
Innovations &  
Many More To Come...!



ROTARY DRILL							
Models	Steel (in mm)	S.S. (in mm)	Alu. (in mm)	Wood (in mm)	Power Input	Speed, No load (R.P.M)	Weight (in Kg)
ABOP 6	6	6	10	20	18 V	0-3350	2.1
ABOP 10	10	10	15	30	18 V	0-1250	2.2
ABOP 13-2	13	13	16	37	18 V	0-580/0-1760	2.4
BOP 6	6	6	10	20	500 W	0-4000	1.7
BOP 10	10	10	15	30	500 W	0-1500	1.8
BOP 10-2	10	10	16	35	500 W	0-700/0-2250	2.0
BOP 13-2	13	13	16	37	550 W	0-680/0-2200	2
BOS 16	16	16	20	40	1200 W	0-520	3.5
BOS 16-2	16	16	20	40	1200 W	0-520/0-1600	3.7
DSke 672	26		32	50	1050 W	120-270/240-540	8.8
DDSk 672-1	32		40	60	900 W	170/250/450/700	9.6
DDSk 672	32		40	60	1050 W	175/280/480/760	9.4
ASq 672-1	38				900 W	100	10.6



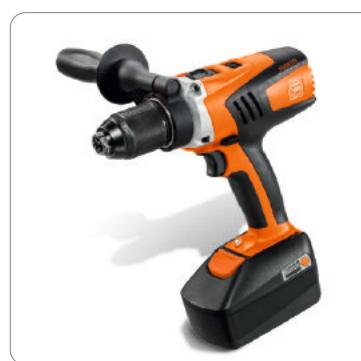
ANGLE DRILL					
Models	Capacity of dia in Steel (in mm)	Alu. (in mm)	Power Input (in W)	Speed, No load (R.P.M)	Weight (in Kg)
ASzxu 636-1/WBO 10	8	12	300	0-1590	1.6
ASzx 648-1/AWBO 10	15	19	740	600	3.6



DRILL JIGS						
Models	Drilling capacity Twist drill	MK3	Collar drill Ø (in mm)	Stroke range (min/max)	Magnetic holding power (in N)	Weight (in Kg)
MBS 16 X	16mm	16mm	43	135/270	9000	7.9
MBS 25 F	13mm	23mm	53	178/330	12000	14.6
MBS 32 F	16mm	32mm	63	178/365	18000	21.8



TAPPERS						
Models	Thread in steel up to	Speed of tap, cutting (R.P.M)	Power Input (in W)	Speed of reversing the tap (R.P.M)	Weight (in Kg)	
ASge 636/GBO 12	M 8	0-450	280	0-580	1.6	
ASge 648/AGBO 12	M 12	0-240	650	0-550	3.7	



CORDLESS DRILL/DRIVERS							
Models	Capacity in Steel (in mm)	Wood (in mm)	Stone (in mm)	Battery Capacity (in Ah)	Idling Speeds (R.P.M)	Max. Screw Ø (in mm)	Peak Torque (in Nm)
ABS 14/14 C	13	35		4/2	450/1600	8x200	55/50
ABS 18/18 C	13	50		4/2	550/1600	8x300	60/55
ASB 14/14 C	13	35	13	4/2	450/1600	8x200	55/50
ASB 18/18 C	13	50	14	4/2	550/1600	8x300	60/55
ASCM 14/14 C	13	50		4/2	400/800/1950/3850	8x300	85/80
ASCM 18/18 C	13	50		4/2	400/800/1950/3850	10x400	90/85
ASCM 14 QX/QXC	13	50		4/2	400/800/1950/3850	8x300	85/80
ASCM 18 QX/QXC	13	50		4/2	400/800/1950/3850	10x400	90/85



HAND-GUIDED CORE DRILLING						
Models	Capacity of dia in Steel up to 20mm thick	Alu. up to 20mm thick	Hole saw up to 4mm thick	Power Input (in W)	Load Speed, (1st/2nd) (R.P.M)	Weight (in Kg)
KBH 25 S	25	30	80	1200	0-1600/0-520	3.3
KBH 25-2 U	25	30	80	1200	0-1600/0-520	3.3

We see the world through your eyes.  
Thus we keep innovating at FEIN.



#### METAL CORE DRILLING

Models	Core drill Ø (in mm)	Maximum Drill Depth (in mm)	Power Input (in W)	Load speed (R.P.M)	Magnetic holding power (in N)	Weight (in Kg)
KBB 30	30	50	750	430	8000	10
KBM 32 Q	32	50	700	440	9000	10.5
KBB 38	38	50	1050	330	9000	14.4
KBB 40	40	50	1100	280	9000	13.1
KBM 50 Q	50	50	1200	130–260/260–520	12500	13.2
KBM 50 U	50	50 (75*)	1200	130–260/260–520	12500	13.9
KBM 50 auto	50	50 (75*)	1200	130–260/260–520	12500	16.2
KBB 60	60	75	1400	180/340	11000	23.9
KBM 65 U	65	50 (75*)	1300	120–240/260–520	14000	16.1
KBB 80 U	80	50	2000	110–180/160–260/350–580	18000	25.4
KBM 80 auto	80	50	2000	110–180/160–260/350–580	18000	26.4

\* optional with accessories

#### DRY WALL SCREW GUN



Models	Max. Torque (hard/soft) (in Nm)	Screw Dia. (in mm)	Power Input	Speed, No load (R.P.M)	Weight (in Kg)
ASCT 14/14 M	14 7	4.2	14.4 V	0–4000	1.7/2.1
ASCT 18/18 M	14 7	4.2	18 V	0–4000	1.7/2.2
SCT 5–40 X/M/UX	12/-	5	450 W	0–4000	1.3/1.6/1.3
<b>Universal Screwdriver</b>					
SCU 7–9	28	8	400 W	0–900	1.6
SCT 6–25X	16	6	450 W	0–2500	1.3



#### METAL SCREW GUN

Models	Max. Torque (hard/soft) (in Nm)	Screw Dia. (in mm)	Power Input	Speed, No load (R.P.M)	Weight (in Kg)
ASCS 4.8	20/7	4.8	14.4 V	0–2500	1.6
ASCS 6.3	30/10	6.3	18 V	0–1700	1.8
SCS 4.8–25	16/-	4.8	450 W	0–2500	1.3
SCS 6.3–19 X	18/-	6.3	400 W	0–1900	1.6



#### IMPACT WRENCHES/DRIVERS

Models	Max. Torque for Hard Screw (in Nm)	Tool Holder	Power Input	Idling Speeds (R.P.M)	Fastening Capacity	Weight (in Kg)
ASCD 18 W4/W4C	158	1/4"	18 V	2200	M14	1.8/1.5
ASCD 18 W2/W2C	250	1/2"	18 V	2200	M16	1.8/1.5
ASb 648/ASbe 648	400/240–400	3/4"	450 W	1500/1200–1500	M12–M22	5/5.1
ASb 648–EC 2	240–400	3/4"	400 W	1500	M12–M22	5
ASb 658–1/ASb 658–1 EC 2	700/400–700	1"	550 W	1400	M18–M27	6.8



#### MULTIMASTER

Models	Sanding pad width (in mm)	Tool Holder	Power Input	Oscillations (R.P.M)	Weight (in Kg)
AFMM 14	80	QuickLN	14.4 V	11000–18000	1.7
FMM 250 Start	80		250 W	11000–20000	1.2
FMM 250 Q/Top/Top Extra	80	QuickLN	250 W	11000–20000	1.4



#### SUPERCUT

Models	Amplitude	Tool Holder	Power Input	Oscillations (R.P.M)	Weight (in Kg)
AFSC 18		QuickLN	18 V	11000–18500	2
FSC 2.0 Q (construction)	2x2.0°	QuickLN	400 W	11000–18500	1.45
FSC 1.6 Q (automotive)	2x1.6°	QuickLN	400 W	11000–18500	1.45
FSC 1.6 (automotive)	2x1.6°		400 W	11000–18500	1.25

#### CAR GLASS/WINDSHIELD REMOVER

For maximum performance – when removing glass and  
in the automotive workshop: FEIN SuperCut Automotive & SuperWire.

For more details log on to [www.fein.in](http://www.fein.in)



COMPACT ANGLE GRINDERS						
Models	Grinding disc Ø (in mm)	Flange/Tool Holder	Power Input (in W)	Speed, No load (R.P.M)	Weight (in Kg)	
MSV 649-1	125	M 14	750	12000	4	
WSG 8-115/WSG 8-125	115/125	M 14	800	11000	2	
WSG 11-125	125	M 14	1100	11000	2.2	
WSG 12-125 P/PQ	125	M 14	1200	11000	2.1	
WSG 15-125 P/PQ	125	M 14	1500	11000	2.3	
WSG 15-125 PS/PSQ	125	M 14	1500	7900	2.4	
WSG 15-150 P/PQ	150	M 14	1500	8500	2.4	
WSG 15-70 Inox	125	M 14	1500	2500-7900	2.4	



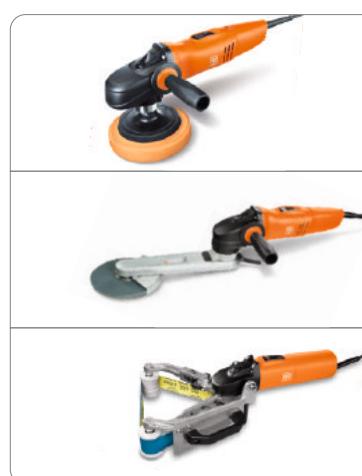
LARGE ANGLE GRINDERS						
Models	Grinding disc Ø (in mm)	Flange/Tool Holder	Power Input (in W)	Speed, No load (R.P.M)	Weight (in Kg)	
WSB 20-180	180	QuickIN	2000	8500	5.9	
WSB 20-230	230	QuickIN	2000	6600	5.9	
WSG 20-180	180	M 14	2000	8500	5.6	
WSG 20-230	230	M 14	2000	6600	5.6	
WSB 25-180 X	180	QuickIN	2500	8500	6.5	
WSB 25-230 X	230	QuickIN	2500	6600	6.7	
WSG 25-180	180	M 14	2500	8500	6.3	
WSG 25-230	230	M 14	2500	6600	6.3	



DIE GRINDERS						
Models	Grinding disc Ø (in mm)	Collet/Drill chuck Ø (in mm)	Power Input (in W)	Speed, No load (R.P.M)	Weight (in Kg)	
AHSI 636 c	50x10	10	280	5500	1.7	
MSh 635	13	3	350	48000	1.1	
MSh 636-1	20	6	280	36000	1.7	
MShy 648-1 Z	50	8	650	6000	3.3	



STRAIGHT GRINDERS						
Models	Grinding disc Ø (in mm)	Collet Ø/Flange (in mm)	Power Input (in W)	Speed, No load (R.P.M)	Weight (in Kg)	
MSh 648-1	50	8	650	28000	3.4	
MShe 648-1	50	8	650	8500-28000	3.7	
MShy 649-1	100x32/28	M 12	750	9000	4.1	



POLISHER/SANDER						
Models	Polisher/Sander Disc Dia (in mm)	Mounting Thread	Power Input (in W)	Speed, No Load (R.P.M)	Weight (in Kg)	
<b>Polishers for automobile, marine and wood</b>						
WPO 14-15 E	230	M 14	1200	500-1500	2.5	
WPO 14-25 E	230	M 14	1200	900-2500	2.5	
WPO 10-25 E	150	M 14	800	900-2500	2.2	
MSf 636-1	150	5/16 in	380	8800	2.4	
<b>Stainless steel polishers</b>						
WPO 14-25 E	230	M 14	1200	900-2500	2.5	
WSG 15-70 Inox	125	M 14	1500	2500-7900	2.4	
KS 10-38 E	150		800	1350-3750	3.2	
BF 10-280 E	550x20		800	10000-28000	2.1	
RS 12-70 E	815x20		1200	2700-7000	3.8	
RS 10-70 E	533x30		800	2500-7000	2.9	



VACUUM CLEANERS						
Models	Max. Vacuum (in m/bar)	Air Flow	Power Input (in W)	Tank Capacity (in litre)	Weight (in Kg)	
DUSTEX 25L	230	33 l/s	1380	22	7	
DUSTEX 35L/40	230	33 l/s	1380	32	8	

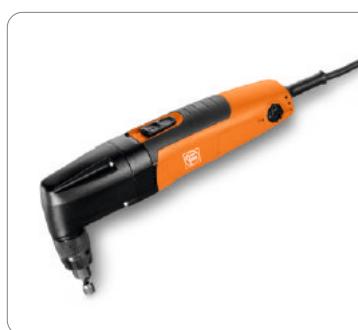
You think you got the best? FEIN. Not until you try us.



Models	SLITTING SHEARS						
	Steel up to 400   600   800 N/mm <sup>2</sup> (in mm)			Alu, Cu, Brass (in mm)	Cutting Speed (in m/min)	Power Input	Strokes (R.P.M)
ABSS 1.6 E	1.6	1.2	1.0	2.0	5–8	14.4 V	2000–3500
BSS 1.6 E/CE	1.6	1.2	1.0	2.0	6–10	350 W	2100–4500
BSS 2.0 E	2.0	1.5	1.3	3.0	2–4	350 W	1300–2600



Models	SHEET METAL SHEARS						
	Steel up to 400   600   800 N/mm <sup>2</sup> (in mm)			Alu, Cu, Brass (in mm)	Cutting Speed (in m/min)	Power Input	Strokes (R.P.M)
ABLS 1.6 E	1.6	1.2	1.0	2.0	6–9	14.4 V	2200–3700
BLS 1.6 E	1.6	1.2	1.0	2.0	8–12	350 W	2300–4800
BLS 2.5 E	2.5	2.0	1.6	3.0	3–6	350 W	800–1700
BLS 3.5	3.5	3.0	2.0	4.0	4–5	1200 W	1500
BLS 4.2	4.2	3.0	2.0	5.0	4–5	1200 W	750



Models	NIBBLERS						
	Steel up to 400   600   800 N/mm <sup>2</sup> (in mm)			Alu, Cu, Brass (in mm)	Cutting Speed (in m/min)	Power Input	Strokes (R.P.M)
ABLK 1.3 TE/1.3 CSE	1.3	0.8	0.6	2.0	1.9	14.4 V	1600
ABLK 1.6 E	1.6	1.0	0.7	2.5	1.5	14.4 V	1300
BLK 1.3 TE/1.3 CSE	1.3	0.8	0.6	2.0	2.3	350 W	1800
BLK 1.6 E/1.6 LE	1.6	1.0	0.7	2.5	1.9/2.7	350 W	1500
BLK 2.0 E	2.0	1.5	1.0	2.5	1	350 W	1000
BLK 3.5	3.5	2.3	1.8	3.5	1.3	1200 W	750
BLK 5.0	5.0	3.3	2.5	7	1.3	1200 W	750



Models	JIGSAWS						
	Steel (St 37) (in mm)	Alu, Cu, Brass (in mm)	Wood (in mm)	Power Input (in W)	Strokes (R.P.M)	Weight (in Kg)	
ASt 638	8	10/10	50	350	3350	2.2	
ASte 638	10	15/10	60	450	1050–2600	2.3	



Models	HACKSAWS						
	Cutting capacity in pipes (in mm)		Profiles up to W x H (in mm)	Power Input (in W)	Strokes (R.P.M)	Weight (in Kg)	
ASTx 649-1	440		290x550	750	350	6.1	
ASTxe 649-1	440		290x550	750	100–350	6.4	
STS 325 R	440		290x500		330	7.2	



STATIONARY BELT GRINDERS							
Models Belt Grinding (GRIT GX/GI)	Belt Size (in mm)		Power Input (in kW)		Speed, No load (R.P.M)		Weight (in Kg)
GX 75/GX 75 2H	75x2000		3.0/1.5 2		3000/1500 3000		
GI 75/GI 75 2H	75x2000		4.0/2.6–3.1		3000/1500 3000		65
GI 150/GI 150 2H	150x2000		4.0/2.6–3.1		3000/1500 3000		82
GI 100/GI 100EF	100x1000		1.5		3000		28
GIS 75	75x2000		4.0		3000		74
GIS 150	150x2000		4.0		3000		93
Deburring	Tool Dimensions						
GXE/GIE	250x60/250x120		2.2/1.5		1500/1500-3000		32/34

Power tools for life.





PIPE NOTCHING/PIPE POLISHING					
Models Radial/ Centreless Grinding (GRIT GX/GI)	Belt Size (in mm)	Dimension Profiles (in mm)	Power Input (in kW)	Pipes up to Dia (in mm)	Weight (in Kg)
GXC	75x2000		0.18	10-100	48
GXW Cooling unit			0.12		8.6
GXR	75x2250	75x75		16-75	54
GIR	150x2250	120x150		20-150	109
GIC	75/150x2000		0.18	10-130	65



LINEAR & PLATE GRINDING				
Models Linear Grinding	Belt Size (in mm)	Dimension Profiles (in mm)	Power Input (in kW)	Weight (in Kg)
GIL/GILS	150x2000	100x100	0.18/2.6-3.1	64/206
GIMS 150/ GIMS 75	150x2000/75x2000		4/2.6-3.1	117/100
Models Machine base	Max. vacuum (in mbar)	Dimensions LxWxH (in mm)	Power Output (in W)	Weight (in Kg)
GIXBE	2.65	305x575x700	370	58
GIXS		304x356x769		18
GIB/GIBE			0/0.35	17/55

## FEIN core bits - The new dimension of core drilling with innovative cutting geometry.

HSS and TCT cutters from 12mm to 100mm dia up to 100mm depth.

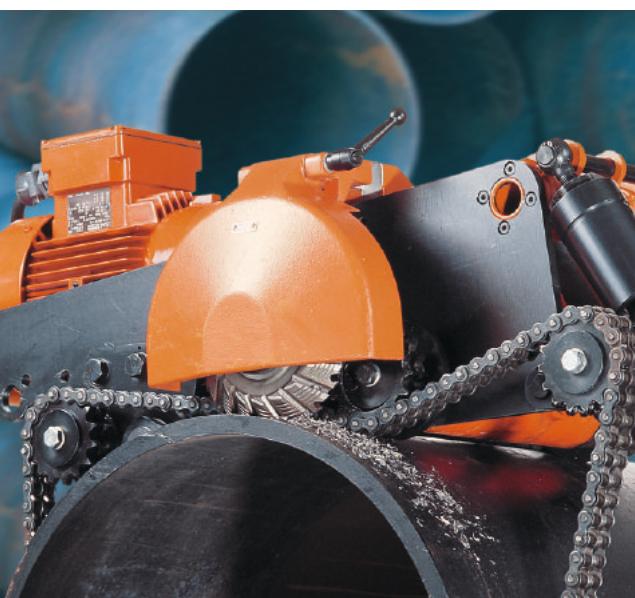
### TCT Core bits

- Extremely long service life.
- High-quality carbide equipments.
- Durable and powerful in all metals.
- Ideal for serial drilling jobs and continuous use.
- Cost-effective.



### HSS Core bits

- Excellent service life.
- High quality high speed steels.
- Premium drilling results in steel and metal construction.
- Easy to resharpen.
- Not sensitive to shock or impact.



## No pipe is too big: FEIN Pipe milling machine.

FEIN pipe milling machines are world renowned in the field of pipe cutting technology. Their applications range from trimming pipes before laying to cutting pipes already lowered into the ground. Whether cast or steel pipes for oil, gas or water as used for pipelines in municipal supply networks, power plants and industrial system as well as for container construction - reliable and precise work with FEIN pipe milling cutters.

**For cutting pipes from 250mm to 3000mm diameter.**

### APPLICATIONS

- Pipeline constructions.
- Steel pipes.
- Cement centrifuged pipes.
- Container construction.
- Cutting bevelling/profile cut.

### FEATURES

- Electric/pneumatic pipe milling.
- Easy to assemble and use.
- Profile or straight cuts.
- Overload protection.
- Constructed and tested according to EN 61029.



#### ► STAINLESS STEEL

**Top-class results right to the finish – machining surfaces with FEIN.**

#### APPLICATIONS

- Mirror/Satin/Matte finishing.
- Pipe notching/Polishing.
- Deburring/Removal of weld seams.
- Machining corners and edges.
- Machining surfaces.
- Radius grinding.

#### ACCESSORIES

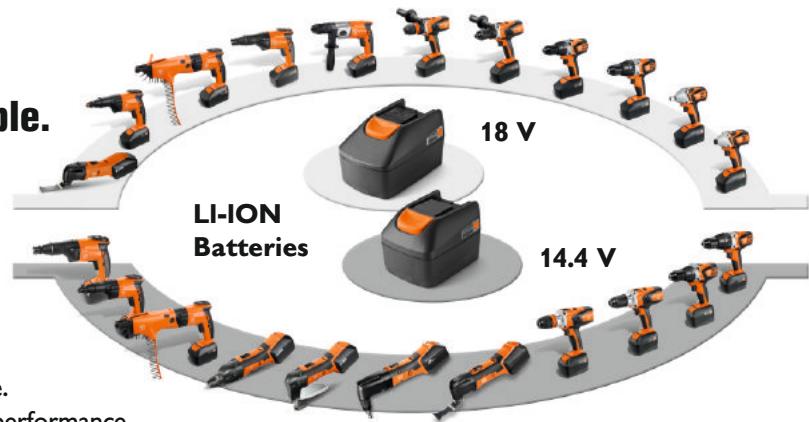
- Fleece wheels/Belts.
- Elastic sanding/Expansion cylinder.
- Grinding belts.
- Polishing wheels.
- Sanding sleeves.
- Pyramix/Serrated discs.

#### ► LI-ION TECHNOLOGY

**The cordless FEIN range – unique, reliable and extremely durable.**

##### FEIN benefit:

- Long service life and safe working.
- Individual cell monitoring.
- Up to 2000 charge cycles per battery.
- Cells capable of high currents.
- Least self-discharge.
- No memory effect – batteries can be charged at any time.
- 50% lighter than Ni-Cd batteries with the same level of performance.



#### ► AUTOMOTIVE SHUT-OFF SCREWDRIVERS

**Precision that pays for itself.**

- Maintenance free brushless EC motor made in Germany.
- State-of-the-art FEIN Li-ion technology.
- Better performance with cost-efficiency.
- Proven in accordance with ISO 5393.
- Machine capability test according to VDI/VDE 2647.
- New FEIN AccuTec with freely programmable parameters.



#### ► HIGH FREQUENCY

**No metal is tough for FEIN.**

##### HIGH FREQUENCY RANGE

- HF Compact angle grinders
- HF Large angle grinders
- HF Straight grinders
- HF Die grinders
- HF Long neck grinders
- HF Polishers
- HF Sanders
- HF Converters

##### BENEFITS

- Less grinding disc consumption.
- Reduces labour costs.
- Low maintenance cost.
- More material removal.
- Lower energy cost.



**FEIN. Unverwüstliche  
Elektrowerkzeuge.**



**FEIN is the specialist for professional and extremely reliable power tools and special solutions for metal, interior construction and automotive applications.**

#### **Drilling**

- Drills
- Magnetic drill jigs
- Angle drills
- Tappers
- Cordless drills
- Metal core drilling

#### **Surface Processing**

- Sanders
- Polishers
- Stainless steel finishing
- Vacuum cleaners

#### **Grinding**

- Compact angle grinders
- Large angle grinders
- Straight grinders
- Die grinders
- High-frequency grinding

#### **Oscillating**

- Interior works
- Automotive
- Marine
- Wood works
- Construction & renovation

#### **Sheet Metal Working**

- Slitting shears
- Sheet metal shears
- Nibblers

#### **Fastening**

- Cordless-screwdrivers
- Universal screw guns
- Metal screw gun
- Dry wall screw gun
- Offset screwdrivers
- Impact wrenches
- Automotive fastening

#### **Stationary Belt Grinders**

- Pipe notching
- Pipe polishing
- Linear polishing
- Mobile grinding

#### **Sawing and Cutting**

- Jigsaws
- Pipe saws
- Construction cutter
- Pipe milling
- Pipe polishing

#### **Automotive Glass Removal**

- SuperWire
- SuperCut
- Glass removal
- Polishing
- Fastening

#### **FEIN Power Tools India Private Limited**

(Fully owned subsidiary of C. & E. FEIN GmbH, Germany)

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[www.fein.in](http://www.fein.in)

► Core Cutters

FEIN. Unverwüstliche  
Elektrowerkzeuge.



**Cost-effective, Precise and Reliable.**

FEIN: The Inventor Of Power Tools. Since 1867: Enduring, Functional & Specialist Power Tools Made In Germany.

#1  
IN  
**CORE**  
DRILLING



NEW DIMENSION  
OF CORE DRILLING  
WITH INNOVATIVE  
**CUTTING  
GEOMETRY**

# Revolutionize your work with FEIN Core Cutters.

Whether for steel, stainless steel or aluminium: we've got the right solution for every application.

Core drilling is an extremely efficient process: faster, quieter and more accurate than twist drilling. Since core drilling requires no predrilling or retooling, the time needed for the job can be cut by around 40% – on site or in the workshop. The high-quality FEIN magnet core drill units (KBM) can be used with carbide core drills and are suitable for many applications such as core drilling, spiral drilling, thread cutting, countersinking and reaming. The FEIN KBB range of magnet core drill units, on the other hand, are designed solely for efficient core drilling. The same applies to the FEIN core bits. High-quality tungsten carbides, HSS and sophisticated cutting geometries ensure the best cutting performances and very long service life.

## Your advantages with FEIN, the best in core drilling.

Complete product range	Superior quality & service life	Application Know-How
<ul style="list-style-type: none"><li>► Two quality grades: Carbide &amp; HSS</li><li>► Diameter range 12 – 80 mm</li><li>► Depth of cut: 25, 35, 50 and 75 mm</li><li>► Shanks: QuickIN, 3/4 in Weldon, M18</li></ul>	<ul style="list-style-type: none"><li>► Tough carbide tipping</li><li>► M2 HSS with 0.5% Cobalt content</li><li>► Specialized cutting geometries</li><li>► High cutting concentricity</li></ul>	<ul style="list-style-type: none"><li>► Core cutter production since 1957</li><li>► 148 years of experience</li><li>► Competent sales staff</li><li>► Extensive sales documents &amp; know-how</li></ul>

Genre	Carbide ULTRA	HSS
Material	Aluminium	▲
	Steel	▲▲▲
	Stainless steel, die cast, brass	▲▲▲
	Difficult to machine metals	▲▲
Material Surface	Flat	▲▲▲
	Structured, offset surfaces	▲
	Pipe & round surfaces	▲
Working Comfort	Highest working progress	▲▲▲
	Lowest feed forces	▲▲▲
Applications	Serial drilling, intensive usage	▲▲▲
	Workshop usage (careful handling)	▲▲▲
	Construction-site usage (shock and impact)	▲
Market	Price-sensitive markets (HSS markets)	▲
	Market at stable prices (Carbide markets)	▲▲▲



# Outstanding cutting performance from FEIN.

## Cutting concentricity

**Carbide:** High concentricity (150 µm) and rigidity when drilling through solid construction.

**HSS:** High concentricity within 100 µm delivers consistently smooth cuts and reduced chatter.

## Cutting tips

**Carbide:** High work progress and short drilling with significantly less effort thanks to high-quality Sandvik cutting teeth.

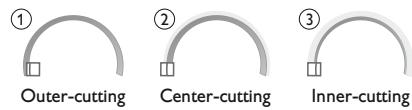
**HSS:** Impacts are absorbed by tough tips and body, complimented by a tooth hardness of 65 HRC. In-house vacuum heat treatment for optimum balance of performance and extended life.

## Braze

High-temperature-resistant brazing, guarantees a secure hold of the carbide tip even at sustained high temperatures.

## Geometry: 3-tip

For quiet running and easy machining with less wear and tooth fracture.



## TiN coating

First class Titanium Nitride coating for optimum gliding properties, increased heat resistance, excellent durability and corrosion resistance.



## Cutter shank

FEIN Carbide ULTRA cutters are available in all standard shanks. FEIN HSS cutters are available in QuickIN and Weldon shanks.



QuickIN



Weldon



M18



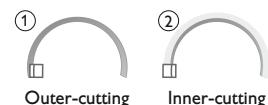
QuickIN MAX

## Flute Grooves

Carbide cutters has special conical groove shape to avoid congestion and increase the chip removal capacity. HSS cutters have wide flutes to evacuate chips easily while less contact between the cutter and hole surface facilitates lower torque and power consumption.

## Geometry: 2-tip

Alternating tooth profiles assign a region for each tooth to remove, resulting in smooth & rapid cuts.



## Cutting width

Narrow cutting width (max. 4 mm in Carbide Cutters & 5.1 mm in HSS) for low torque and reduced energy consumption.

## Why do customers buy the FEIN TCT:

Purchase Criteria	Product Feature	Specific Benefit to Customer	Advantage	Applications
Highest service life	Hard carbide tipping	= Significantly reduced tip wear	= Extremely long service life	INOX
	3-tip geometry	= Reduced feed forces		
	High cutting concentricity	= No chattering or vibrating		
Highest working progress	High surface speed and feed rate	= Highest material removal	= Very fast drilling for short times and cost savings	
	Conical groove shape	= Perfect river span		
	Small cutting width	= Reduced cutting and feed forces		
Widest range of workpiece metals	High hardness of cutting tip	= Ability to cut high-tensile steels	= Flexible usage	
	Ideal cutting angle	= Good material removal in all metals		
	High-temperature-resistant brazing	= High temperature resistance		

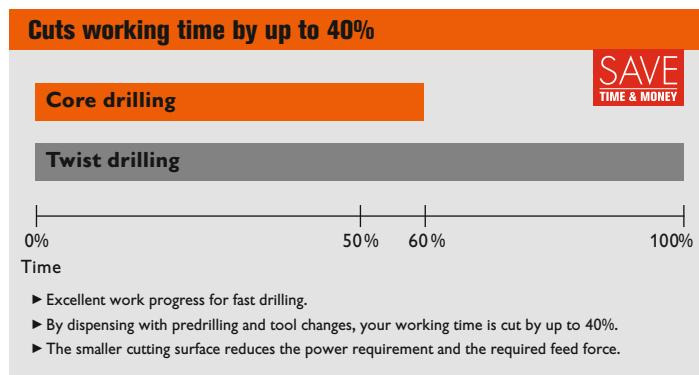
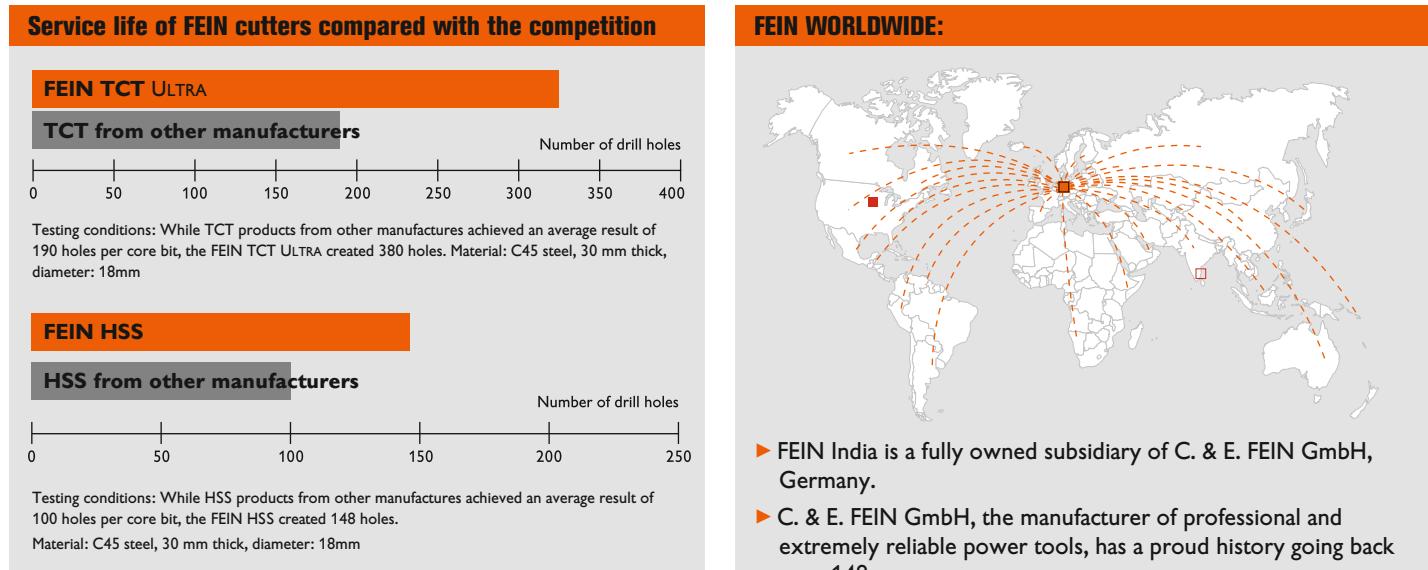
## Why do customers buy the FEIN HSS:

Purchase Criteria	Product Feature	Specific Benefit to Customer	Advantage
Excellent service life	High quality HSS steel	= Reduced cutter wear	= Long service life even under adverse conditions
	Insensitive to impact & shock	= For tough construction-site work	
	Abrasion resistant TiN coating	= Reduced feed forces and wear	
Good work progress	Ideal cutting speed	= Good work progress	= Fast drilling for short times and cost savings
	Aggressive 2-tip cutting geometry	= Smooth & consistent material removal	
	High number of cutting tips	= High material removal rate	
Economical cutting	Material with ideal price / performance	= Inexpensive purchase price	= Best results in steel
	Single material forms tips & body	= Multiple re-sharpening possible	
	Optimal tooth hardness for steel	= Durable tip sharpness in steel	

# The FEIN cutter program

TCT ULTRA				HSS			FEIN HSS in comparison		
[Wc-Co, 1.450 HV]				[HSS, 64 HRC / 800 HV]					
<ul style="list-style-type: none"> <li>► Hard carbide tipping (1450 HV).</li> <li>► Highest service life of 8.4 m*.</li> <li>► Cutting speed up to 45 m/min.</li> <li>► Heat resistance up to 800° C.</li> <li>► Optimal in all metals.</li> <li>► Up to 80mm dia. with QuickIN Max.</li> </ul>				<ul style="list-style-type: none"> <li>► Double vacuum heat treatment.</li> <li>► High concentricity within 100 µm.</li> <li>► Long service life of 2.4 m*</li> <li>► Reduced feed force of 650 N.</li> <li>► Optimal in steel.</li> </ul>			<p>Testing conditions: 1020 steel (US), 12 mm, Ø 18 mm, average of 3 cutters, 450 RPM</p>		
Cutting depth (mm)	QuickIN	¾" Weldon	M 18	Cutting depth (mm)	QuickIN	¾" Weldon			
25				25	Ø 12 – 50	Ø 12 – 60			
35	Ø 12 – 65	Ø 12 – 60		35					
50	Ø 50 – 80	Ø 12 – 65	Ø 12 – 65	50	Ø 12 – 50	Ø 12 – 60			
75	Ø 18 – 65	Ø 18 – 65		75					

\*Test conditions: Material S235, 20 mm, Ø 18 mm, average of 3 cutters. \*\*FEIN QuickIN MAX Carbide and HSS core bits are available from 12mm to 80mm dia. and in some exceptional cases up to 100mm diameter



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# FEIN Magnetic Pick-up Rod

Fast, safe and easy removal of swarf or metal pieces.

FEIN. Unverwüstliche  
Elektrowerkzeuge.



FEIN MagBrush is the perfect tool to quickly clean up filings, metal swarf, nails, screws or metal chips. Be it fabrication in steel or working with metal cut off saws, band-saws, drill presses, magnetic core drills, milling machines, grinders, lathe or sheet metal working, this magnetized swarf collector is a very helpful tool to keep your work area tidy and safe. Constructed from high quality steel tube with a smooth plunger action to drop the waste exactly wherever you need it.

Simply wave the rod over the metal swarf or waste chips while the plunger is inside the handle to pick-up the metal swarfs. It will hold the particles until you withdraw the handle which will release the magnetic force. When you want the objects to be disposed, simply pull the plunger out to release them over a scrap bin or wastebasket. The retractable magnet used in FEIN MagBrush is quite powerful that it can pick up even the biggest metal chunk in no time which is why this tool can be used in any job site, garage, factories or workshop.

## BENEFITS:

- For cleaning tight spots and corners.
- Very compact, light-weight and easy to use.
- Reduced risk of splinters, skin cuts & abrasions.
- Long handle to keep you off from sharp objects.
- Very easy to clean and has anti-corrosive surface for a longer life.
- Quickly pick-up and move small parts or sharp objects like nails or screws in the safest possible way.
- Maintenance free.

Order Number: 64201005010



## DIMENSIONS:

Total length: 38 cm  
Handle: 22 cm  
Magnetic tube diameter: 1 inch  
Weight: 0.65 kg

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FOR SPECIAL OFFERS**

## Quick, safe and so simple!



## A must needed accessory for all

- Machine tools
- Core drilling Machines
- Workshops,
- Construction sites
- Garages

**AFFORDABLE  
PRICE**

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