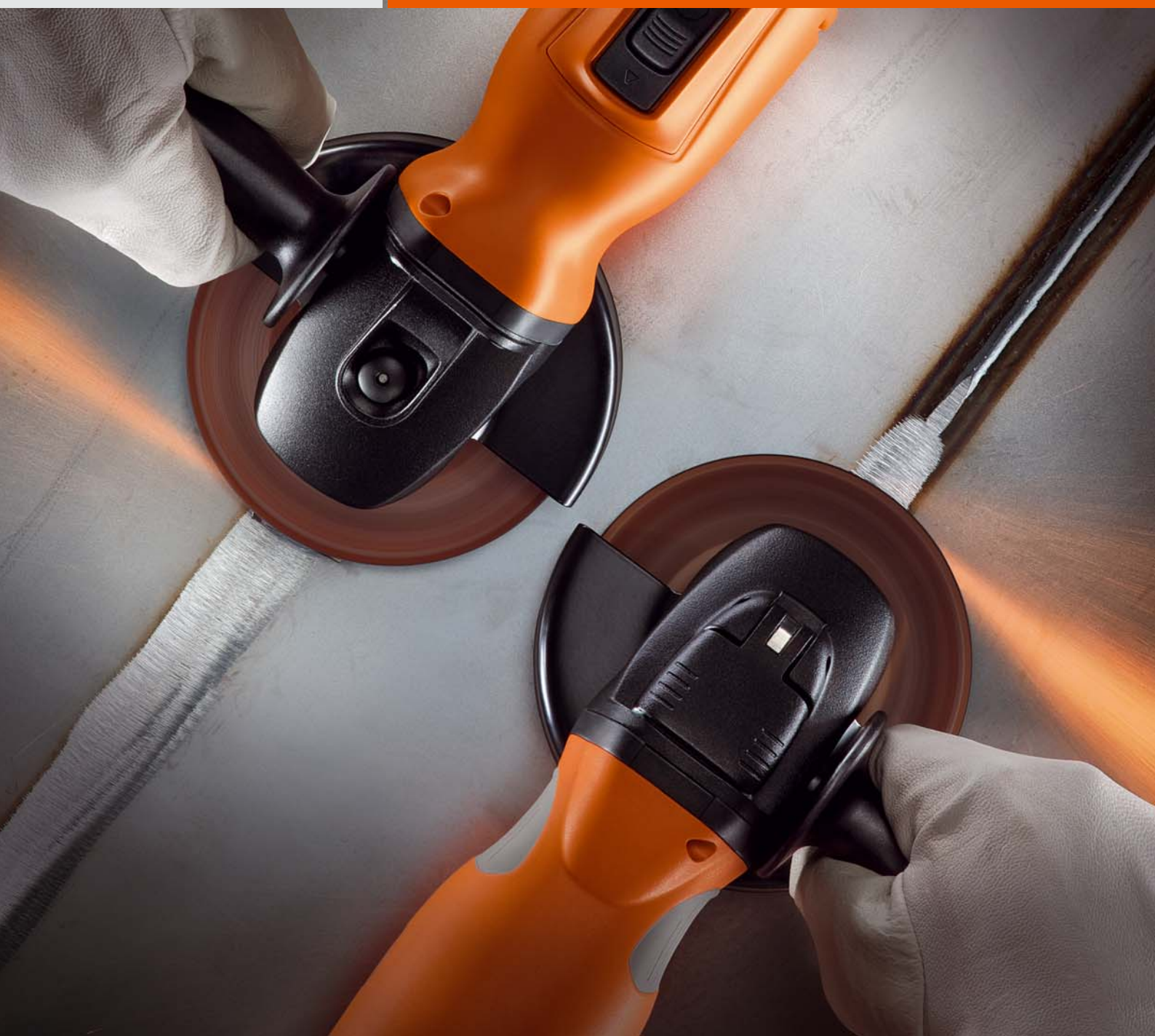


METAL



FEIN compact angle grinders
► WS 14

More than reliable



The new specialist tools from a specialist brand: FEIN WS 14

FEIN is the specialist for professional and extremely reliable power tools and special solutions for metalworking, interior work and automotive applications. For more than 140 years, we have been developing innovative and unbeatably efficient and practical solutions which stand up to even the toughest continual use in industry and trades. We use this unique experience to provide our users

with customised power tools. Tools that give them real benefits in their day-to-day work, such as the new FEIN WS 14 compact angle grinder, which is perfectly tailored to the user's needs.



FEIN WS 14 – The powerful and reliable angle grinders for industry and manual trades

WS 14 doesn't just describe one single product but a whole product family: the new generation in compact angle grinders. FEIN WS 14 compact angle grinders not only combine extraordinary robustness, maximum performance and outstanding ergonomics, the different equipment variants also satisfy the user's individual requirements. The new WS 14 series consists of two kinds of models: the angle

grinders with a classic On/Off switch and special 'safety angle grinders' with TipStart, which are fitted with extra functions like AutoStop and the electronic brake system (EBS).

1. Enduring



From the self-supporting motor design to the state-of-the-art, sealed electronics, every component is highly robust.

2. Powerful



FEIN angle grinders offer unbeatable torque and high grinding capacity.

3. Easy to use



One characteristic of the FEIN WS 14 angle grinder is its unique ease of operation. This is most appreciated in continuous use.

4. Safe



Safety is given top priority – FEIN angle grinders can feature AutoStop and an electronic brake system.

Resilient and powerful

FEIN WS 14 angle grinders have an extremely robust and reliable design. From the self-supporting HIGH POWER MOTOR, metal drive head, ball bearings sealed on two sides and top cover of the carbon brushes to the sealed electronics and robust H 07 industrial cable, everything is designed and built to meet the highest standards of resilience and power - yours and ours. Day after day.



Resilient

Very long service life and durability thanks to robust materials and protection against very fine dust and dirt.

- ▶ Metal drive head

- ▶ Self-supporting, precise motor design
- ▶ Ball bearings sealed on two sides with dust protection ring

Powerful

The HIGH POWER MOTORS of the WS 14 series fend off all the competition.

- ▶ Built with substantially more iron and copper

- ▶ Optimised cool air supply
- ▶ Tacho control for constant power



FEIN armature

Competitor's armature



Practical and safe

WS 14 compact angle grinders not only have a very slim, non-slip design, they also feature ergonomic details such as comfortable speed adjustment. They have a reduced-vibration design, so they do not require an anti-vibration handle. The FEIN WS 14 range also includes „safety angle grinders“ with TipStart, electronic brake (EBS) and AutoStop function. FEIN compact angle grinders also have additional safety features in the shape of the non-removable safety hood and the restart lock.



Easy to use

Low-fatigue working thanks to highly ergonomic shape.

- ▶ 15% smaller handle than other angle grinders in the same power class thanks to the compact, slim design

- ▶ Suitable for right- and left-handers
- ▶ Speed adjustment near handle



Safe

- ▶ TipStart operating concept in all T versions
- ▶ AutoStop shuts machine off automatically
- ▶ Electronic stop to avoid disc blocking
- ▶ EBS electronic brake
- ▶ Restart lock on all FEIN angle grinders
- ▶ QuickIN system for rapid, tool-free disc change (optional)



As a safety angle grinder, the FEIN WS 14 features not only the TipStart operating concept but also an electronic brake and AutoStop function.

An overview of the FEIN WS 14 compact angle grinders

FEIN WSS 14/WSG 14. The complete spectrum of grinding applications. The full range of equipment features and potential applications. Whether you opt for a compact angle grinder with a disc diameter of 125 mm or 150 mm; whether you appreciate the comfortable, tried-and-tested tool-free FEIN QuickIN rapid clamping system, or whether you need the variant with electronic speed control - FEIN compact angle grinders of the WS 14 series are always the right choice when absolute reliability and maximum performance are called for.



Model	WSG 14-125		WSG 14-125 S		WSG 14-150		WSG 14-70 E		WSS 14-125																																																																																																																																																																																																																																																			
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	Powerful compact angle grinder for industry and manual trades.		Powerful compact angle grinder for sanding and cutting work on stainless steel.		Powerful compact angle grinder for cutting and grinding work.		Powerful compact angle grinder with variable speed for machining stainless steel.		Powerful compact angle grinder for industry and manual trades with rapid clamping system.																																																																																																																																																																																																																																																			
Equipment											FEIN HIGH POWER MOTOR	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	Soft start	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	Restart lock	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	Integrated safety hood	▲	▲	–	–	–	–	–	–	▲	▲	Electronic speed control	–	–	–	–	–	–	▲	▲	–	–	FEIN QuickIN rapid clamping system	–	–	–	–	–	–	–	–	▲	▲	FEIN TipStart operating concept	–	–	–	–	–	–	–	–	–	–	FEIN AutoStop	–	–	–	–	–	–	–	–	–	–	FEIN EBS brake system	–	–	–	–	–	–	–	–	–	–	Technical data											Max. disc Ø	mm	125	125	125	125	150	150	125	125	125	125	Power / consumption	W	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	Power / output	W	750	750	750	750	750	750	750	750	750	750	Idling speed	rpm	10000	10000	7000	7000	7000	7000	2500–7000	2500–7000	10000	10000	Voltage	V	110	230	110	230	110	230	110	230	110	230	Cable with plug	m	4	4	4	4	4	4	4	4	4	4	Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7										
FEIN HIGH POWER MOTOR	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	Soft start	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	Restart lock	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	Integrated safety hood	▲	▲	–	–	–	–	–	–	▲	▲	Electronic speed control	–	–	–	–	–	–	▲	▲	–	–	FEIN QuickIN rapid clamping system	–	–	–	–	–	–	–	–	▲	▲	FEIN TipStart operating concept	–	–	–	–	–	–	–	–	–	–	FEIN AutoStop	–	–	–	–	–	–	–	–	–	–	FEIN EBS brake system	–	–	–	–	–	–	–	–	–	–	Technical data											Max. disc Ø	mm	125	125	125	125	150	150	125	125	125	125	Power / consumption	W	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	Power / output	W	750	750	750	750	750	750	750	750	750	750	Idling speed	rpm	10000	10000	7000	7000	7000	7000	2500–7000	2500–7000	10000	10000	Voltage	V	110	230	110	230	110	230	110	230	110	230	Cable with plug	m	4	4	4	4	4	4	4	4	4	4	Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																					
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Restart lock	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	Integrated safety hood	▲	▲	–	–	–	–	–	–	▲	▲	Electronic speed control	–	–	–	–	–	–	▲	▲	–	–	FEIN QuickIN rapid clamping system	–	–	–	–	–	–	–	–	▲	▲	FEIN TipStart operating concept	–	–	–	–	–	–	–	–	–	–	FEIN AutoStop	–	–	–	–	–	–	–	–	–	–	FEIN EBS brake system	–	–	–	–	–	–	–	–	–	–	Technical data											Max. disc Ø	mm	125	125	125	125	150	150	125	125	125	125	Power / consumption	W	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	Power / output	W	750	750	750	750	750	750	750	750	750	750	Idling speed	rpm	10000	10000	7000	7000	7000	7000	2500–7000	2500–7000	10000	10000	Voltage	V	110	230	110	230	110	230	110	230	110	230	Cable with plug	m	4	4	4	4	4	4	4	4	4	4	Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																																											
Integrated safety hood	▲	▲	–	–	–	–	–	–	▲	▲	Electronic speed control	–	–	–	–	–	–	▲	▲	–	–	FEIN QuickIN rapid clamping system	–	–	–	–	–	–	–	–	▲	▲	FEIN TipStart operating concept	–	–	–	–	–	–	–	–	–	–	FEIN AutoStop	–	–	–	–	–	–	–	–	–	–	FEIN EBS brake system	–	–	–	–	–	–	–	–	–	–	Technical data											Max. disc Ø	mm	125	125	125	125	150	150	125	125	125	125	Power / consumption	W	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	Power / output	W	750	750	750	750	750	750	750	750	750	750	Idling speed	rpm	10000	10000	7000	7000	7000	7000	2500–7000	2500–7000	10000	10000	Voltage	V	110	230	110	230	110	230	110	230	110	230	Cable with plug	m	4	4	4	4	4	4	4	4	4	4	Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																																																						
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Power / consumption	W	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	Power / output	W	750	750	750	750	750	750	750	750	750	750	Idling speed	rpm	10000	10000	7000	7000	7000	7000	2500–7000	2500–7000	10000	10000	Voltage	V	110	230	110	230	110	230	110	230	110	230	Cable with plug	m	4	4	4	4	4	4	4	4	4	4	Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																																																																																																																																															
Power / output	W	750	750	750	750	750	750	750	750	750	750	Idling speed	rpm	10000	10000	7000	7000	7000	7000	2500–7000	2500–7000	10000	10000	Voltage	V	110	230	110	230	110	230	110	230	110	230	Cable with plug	m	4	4	4	4	4	4	4	4	4	4	Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																																																																																																																																																											
Idling speed	rpm	10000	10000	7000	7000	7000	7000	2500–7000	2500–7000	10000	10000	Voltage	V	110	230	110	230	110	230	110	230	110	230	Cable with plug	m	4	4	4	4	4	4	4	4	4	4	Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																																																																																																																																																																							
Voltage	V	110	230	110	230	110	230	110	230	110	230	Cable with plug	m	4	4	4	4	4	4	4	4	4	4	Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																																																																																																																																																																																			
Cable with plug	m	4	4	4	4	4	4	4	4	4	4	Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																																																																																																																																																																																															
Weight (according to EPTA-Procedure 01/2003)	kg	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																																																																																																																																																																																																											
Order number		7 221 41	7 221 41	7 221 44	7 221 44	7 221 42	7 221 42	7 221 43	7 221 43	7 221 40	7 221 40	Accessories												Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.											Order number	3 21 19 119 01 7																																																																																																																																																																																																																							
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FEIN WSS 14 T / WSG 14 T / WSB 14 T. Safety without compromise. The 'switch-free' FEIN TipStart operating concept with AutoStop function and electronic brake system (EBS) in the case of the WSB versions deliver the level of safety needed when it counts. The innovative light conductor switching concept and the dust-proof arrangement of the four button units dramatically extends this angle grinder's service life.

With safety equipment



Model	WSG 10-115 T	WSB 10-115 T	WSG 14-125 T	WSG 14-150 T	WSG 14-70 ET	WSS 14-125 T	WSB 14-125 T	
	Powerful compact angle grinder for lighter-duty deburring and sanding work with AutoStop.	Handy compact safety angle grinder for lighter-duty deburring and grinding work.	Powerful compact angle grinder for industry and manual trades with AutoStop.	Powerful compact angle grinder for cutting and grinding work with AutoStop.	Powerful compact angle grinder with variable speed and AutoStop for machining stainless steel.	Powerful compact angle grinder for industry and manual trades with rapid clamping system and AutoStop.	Powerful compact safety angle grinder for industry and manual trades.	
	110 V version	230 V version	110 V version	110 V version	110 V version	110 V version	230 V version	
Equipment								
FEIN HIGH POWER MOTOR	▲	▲	▲	▲	▲	▲	▲	
Soft start	▲	▲	▲	▲	▲	▲	▲	
Restart lock	▲	▲	▲	▲	▲	▲	▲	
Integrated safety hood	▲	▲	▲	–	–	▲	▲	
Electronic speed control	–	–	–	–	▲	–	–	
FEIN QuickIN rapid clamping system	–	▲	–	–	–	▲	▲	
FEIN TipStart operating concept	▲	▲	▲	▲	▲	▲	▲	
FEIN AutoStop	▲	▲	▲	▲	▲	▲	▲	
FEIN EBS brake system	–	▲	–	–	–	–	▲	
Technical data								
Max. disc Ø	mm	115	115	125	150	125	125	
Power / consumption	W	800	800	1200	1200	1200	1200	
Power / output	W	550	550	750	750	750	750	
Idling speed	rpm	10000	10000	10000	7000	2500–7000	10000	
Voltage	V	110	230	110	110	110	230	
Cable with plug	m	4	4	4	4	4	4	
Weight (according to EPTA-Procedure 01/2003)	kg	2.0	2.0	2.3	2.4	2.4	2.4	
Order number		7 221 55	7 221 46	7 221 56	7 221 57	7 221 58	7 221 54	7 221 47
Recommended								
Anti-vibration handle	Suitable for all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibrations during longer jobs.							
Order number	3 21 19 119 01 7							



**Do you have any further questions?
Or do you want to test the new WS 14?**

Your specialist supplier will be happy to help:

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