

METAL

FEIN Compact Angle Grinder
► WS 14



**Unmatched Reliability,
Ergonomics and Power**



The new standard for the metalworking professional from the metalworking experts: FEIN WS 14.

FEIN is the expert when it comes to professional and extremely reliable power tools and special application solutions for the metal-working, interior construction and automotive fields. For over 140 years we have developed innovative and supremely efficient solutions for practical situations. Our grinders have proven themselves in the toughest, long-term industrial and trade use.

The WS 14 series grinders are completely redesigned with our customer in mind. From the reliability, outstanding ergonomics and overall safety, FEIN is always striving to be the market leader in product innovation.



FEIN WS 14 – high performance and durable angle grinders for industry and trade

WS 14 identifies the next generation of compact angle grinders. FEIN WS 14 compact angle grinders combine unmatched durability, maximum performance along with outstanding ergonomics. FEIN also offers the full range of product choices to accommodate all of your application requirements. The new WS 14 series offering consists of

two designs: the angle grinder model with classic “On/Off” switch and the new tip start safety angle grinders with additional features such as Auto Stop.

1. Durability



From self-supporting motor construction to the shock-proof, encapsulated electronics - every single component is manufactured to the highest quality standards.

2. High performance



FEIN angle grinders perform flawlessly due to the unmatched torque and high material removal capability.

3. Ease of handling



Unrivalled maneuverability is a hallmark of the FEIN WS 14 angle grinder. This is beneficial, especially in extended use and tight work places.

4. Safety



FEIN angle grinders with Auto Stop. Perfect when safety is of the utmost importance.

Durability and high performance

FEIN WS 14 compact angle grinders are extremely durable, incorporating FEIN's reputation of heavy duty construction in both performance and quality. From the self-supporting, ultra high-performance HIGH-POWER-MOTOR to the metal gear enclosure, ball bearings sealed on both sides, the outer carbon brush covers, encapsulated electronics and robust, industrial-quality H 07 cord; everything is built and assembled to satisfy your demands, and ours, for durability and performance. Every day.



Durability

Particularly long service life using durable materials and protection from fine dust and dirt..

- ▶ Metal gear enclosure
- ▶ Self-supporting, precision motor assembly
- ▶ Ball bearings sealed on both sides with a dust protection ring

High performance

The high performance WS 14 HIGH-POWER-MOTORS are unsurpassed.

- ▶ Built with considerably more copper and iron.
- ▶ Optimized cooling air path
- ▶ Power when you need it most



FEIN armature

Competitors armature



Safety and ease of handling

FEIN WS 14 compact angle grinders are also available as “safety angle grinders” with Tip Start operation and Auto Stop features. The permanent safety guard and the accidental start-up lockout also contribute to the high safety of the WS 14. WS 14 compact angle grinders not only possess a particularly slim and non-slip shape, and convince through ergonomic details like the convenient speed control; they also manage without anti-vibration handles. They can be used up to 8 hours continuously without any health effects, while the operating time of most competitors is limited to 4 hours.



FEIN compact angle grinders are also available with the classic On/Off switch.

Ease of handling

Less fatiguing operation due to ergonomic design.

- ▶ Compact, slim shape reduces handheld dimensions by 15% compared with other angle grinders in

the same size class.

- ▶ Equally suitable for left or right-handed use
- ▶ Speed control adjacent to grip



Safety

- ▶ Tip Start operating system on all T models
- ▶ Automatic machine shut-down with AutoStop
- ▶ Jam protection
- ▶ Accidental self-start lock, standard on all FEIN angle grinders
- ▶ QuickIN system for fast, tool-free disc changes (optional)

Forward position



Rear position



Safety using the TipStart operating system: in order to turn on the machine, one of the front and one of the rear pads must be touched in rapid succession. In operation, contact with one of the pads is sufficient. AutoStop automatically switches the machine off, when the pad is released.

The FEIN WS 14 compact angle grinders at a glance

FEIN WSS 14/WSG 14. The full grinding spectrum

Customized selection of features and application possibilities.

No matter whether you decide on a compact angle grinder with 5" or 6" (125 / 150mm) disc capacity, or you are persuaded by the convenient, tool-free FEIN QuickIN quick change system, or are only interested in versions with electronic speed control; the FEIN WS 14 series compact angle grinder is always the right choice when absolute reliability and highest performance are required.



Model	WSG 14-125	WSG 14-125 S	WSG 14-150	WSG 14-70 E	WSS 14-125
	High performance compact angle grinder for industrial and trade use.	High performance compact angle grinder for grinding and cut-off work on stainless steel.	High performance compact angle grinder for grinding and cut-off work.	High performance compact angle grinder with variable speed for stainless steel processing.	High performance compact angle grinder with quick change system for industrial and trade use.
Feature					
FEIN HIGH-POWER-MOTOR	▲	▲	▲	▲	▲
Soft start	▲	▲	▲	▲	▲
Self-start lock	▲	▲	▲	▲	▲
Integrated safety guard	▲	–	–	–	▲
Variable speed	–	–	–	▲	–
FEIN QuickIN quick change system	–	–	–	–	▲
FEIN Tip Start operating system	–	–	–	–	–
FEIN Auto Stop	–	–	–	–	–
Technical Data					
Grinding wheel dia. in (mm)	5" (125)	5" (125)	6" (150)	5" (125)	5" (125)
Power consumption Watts	1,200	1,200	1,200	1,200	1,200
Power output Watts	750	750	750	750	750
No load speed rpm	10,000	7,000	7,000	2,500–7,000	10,000
Cable with plug ft. (m)	13' (4)	13' (4)	13' (4)	13' (4)	13' (4)
Weight (according to EPTA) lbs (kg)	4.8 (2.2)	5.3 (2.4)	5.3 (2.4)	5.3 (2.4)	4.8 (2.2)
Order number	7 221 41	7 221 44	7 221 42	7 221 43	7 221 40
Accessories					
Anti-vibration handle	Fits all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibration during extended operation.				
Order number	3 21 19 119 01 7				

With safety features

FEIN WSS 14 T / WSG 14 T Safety without compromise

The "switchless" FEIN Tip Start operating system with Auto Stop provides needed safety in case of an emergency. The disc slows down as soon as the touch pads are released. The service life of this angle grinder is extended even further by the innovative optical fiber switching system and the dust-proof placement of the four touch pads.



Model	WSG 14-125 T	WSG 14-150 T	WSG 14-70 ET	WSG 10-115 T	WSS 14-125 T
	High performance compact angle grinder with Auto Stop for industrial and trade use.	High performance compact angle grinder for grinding and cut-off work with Auto Stop.	High performance compact angle grinder with variable speed and Auto Stop for stainless steel processing.	Maneuverable safety compact angle grinder with Auto Stop for light deburring and grinding work.	High performance compact angle grinder with Auto Stop for industrial and trade use.
Feature					
FEIN HIGH-POWER-MOTOR	▲	▲	▲	▲	▲
Soft start	▲	▲	▲	▲	▲
Self-start lock	▲	▲	▲	▲	▲
Integrated safety guard	▲	–	–	▲	▲
Variable speed	–	–	▲	–	–
FEIN QuickIN quick change system	–	–	–	–	▲
FEIN Tip Start operating system	▲	▲	▲	▲	▲
FEIN Auto Stop	▲	▲	▲	▲	▲
Technical Data					
Grinding wheel dia. in (mm)	5" (125)	6" (150)	5" (125)	4½" (115)	5" (125)
Power consumption Watts	1,200	1,200	1,200	800	1,200
Power output Watts	750	750	750	550	750
No load speed rpm	10,000	7,000	2,500–7,000	10,000	10,000
Cable with plug ft. (m)	13' (4)	13' (4)	13' (4)	13' (4)	13' (4)
Weight (according to EPTA) lbs (kg)	5.0 (2.3)	5.3 (2.4)	5.3 (2.4)	4.4 (2.0)	5.3 (2.4)
Order number	7 221 56	7 221 57	7 221 58	7 221 55	7 221 54
Accessories					
Anti-vibration handle	Fits all FEIN WS 14 compact angle grinders. For a noticeable reduction in vibration during extended operation.				
Order number	3 21 19 119 01 7				



Do you still have questions? Would you like a demonstration of the new WS 14?

Your local distributor will be happy to assist you:

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