



GRIT – The brand for belt grinding from FEIN

GRIT by FEIN – the name that stands for modular belt grinders that are optimally adapted to metalworking and metal machining applications. A highly economical system for all standards and requirements – for belt grinding, deburring, radial grinding or centreless grinding. This system is suitable for all applications involving steel and stainless steel. Powerful basic belt grinders and specific add-on modules cover all the main belt grinding applications in industry and the manual trades. And because GRIT belt grinders are made by FEIN, you know they offer the reliability and long service life you would expect. Our name is our reputation.

The high quality standards of GRIT machines also apply to our

accessories and grinding belts. We believe that grinding belts should be of premium quality – for maximum abrasion performance and outstanding service life in metal machining. This makes genuine GRIT grinding belts very cost-effective to use. You will find more detailed information about the GRIT range in the GRIT product brochure or at www.fein.com.



GRIT GX Page 172

Stationary belt grinders for use in trade and small-scale volume production.

GRIT GI Page 173

Stationary belt grinders for use in industry and volume production.

GRIT GX for use in trade and ...



GRIT GX is based on the modular principle. A fully functional belt grinder is the basic component, and its capabilities can be extended if required, with the aid of add-on modules, for example for centreless or radial grinding. This saves times, money and space. GRIT GX machines are easy to retool when changing from one application to the next. This very flexible concept, combined with the high machine safety, robust design and optimum adaptability to different materials and applications,

makes the GX range ideal for use in trade and for small-scale volume production. The GRIT GX range is also very economical to use. From the first rough grind to the final finish – with GRIT GX machines you can work quickly, safely and with high-quality results.

Belt grinding



Powerful belt grinder in single or two-speed version – the basis of the modular GX range.

Radial grinding



Extension module for grinding out radii on a wide range of workpieces, such as pipes, square pipes, flat materials and profiles.

Centreless grinding



Extension module for grinding and polishing round materials – from rough grind to final surface finish.

Deburring



Independent addition to the GX range for deburring steel and stainless steel workpieces with wire brushes. Also available with optional support stand.

FEIN benefits

- ▶ Ideal for use in the workshop and for small-scale volume production.
- ▶ Covers all standard grinding applications: belt, radial and centreless grinding.
- ▶ Quick to put together, quick to retool, since machine is easy to assemble.
- ▶ High level of working safety and machine safety.
- ▶ Professional equipment and accessories for professional results.

	Belt grinding	Radial grinding max. Ø (mm)	centreless grinding max. Ø (mm)	Longitudinal grinding	
GRIT GX	▲▲▲	75	100	▲	
GRIT GI	▲▲▲	150	160	▲▲▲	
▲	suitability				
▲▲	optimal suitability				
▲▲▲	ideal				

GRIT GI for industrial use.



The GRIT GI range was developed especially for use in industry. As a result, it offers extreme robustness, outstanding power and performance, and impressive cost-effectiveness. The GRIT GI range is specially designed to cope with the long running periods and high loads encountered in industrial production. Whether it's steel, stainless steel or non-ferrous metals, flat or square materials, GRIT GI machines deliver top-class professional results in all industrial grinding applications. Their ease of use

makes them both cost-effective and safe to use. And because the GRIT GI range is modular, you can quickly and easily put together the optimum machine for the job every time.

Belt grinding



High-performance belt grinders, available with 1 or 2 speed settings and different widths (75 mm or 150 mm).

Radial grinding



Precision grinding of pipes up to a maximum diameter of 150 mm.

Centreless grinding



High-performance rotary grinder for pipes and round materials made of steel, stainless steel, cast iron and non-ferrous metals, 10 – 160 mm in diameter.

Longitudinal grinding



Automatic longitudinal grinding of flat materials, profiles and square pipes.

Mobile use

Highly efficient grinding / polishing of welded seams on floors.

Deburring

For efficient deburring and polishing of workpieces made of steel, stainless steel, cast iron and non-ferrous metals.

deburring	Mobile use	Internal / external suction	Volume production	Retooling times	Modularity
▲▲▲	-	- / ▲▲▲	▲▲▲	▲▲	▲▲
▲▲▲	▲▲▲	▲▲▲ / ▲▲▲	▲▲▲	▲	▲▲▲

FEIN benefits

- ▶ For industrial machining of steel, stainless steel and non-ferrous metals.
- ▶ Suitable for all conventional workpieces and grinding applications.
- ▶ Design and parts optimally adapted to heavy-duty use.
- ▶ Exceptionally cost-effective thanks to high abrasion performance for professional results.
- ▶ High level of working safety and ease of use.
- ▶ Special solutions available for special applications.

One system, unlimited possibilities – GRIT GX

Belt grinding



Model	Input (kW)	Speed, no load (R.P.M)	Belt size (mm)	Weight (kg)
GX 75	3	3,000	75 x 2,000	75.0
GX 75 2H	1.5/2	1,500/3,000	75 x 2,000	75.0

Radial grinding



Model	Pipes up to Ø (mm)	Dimension profiles / flat material max. (mm)	Belt size (mm)	Weight (kg)
GXR	16-75	75 x 75	75 x 2,250	54.0

Centreless grinding



Model	Input (kW)	Pipes up to Ø (mm)	Belt size (mm)	Weight (kg)
GXC	0.18	10-100	75 x 2,000	48.0
GXW	0.12			8.6

Deburring



Model	Input (kW)	Speed, no load (R.P.M)	Tool dimensions max. Ø x width (mm)	Weight (kg)
GXE	2.2	1,500	250 x 60	32.0

The versatility of belt grinding – GRIT GI

Belt grinding



Model	Input (kW)	Speed, no load (R.P.M)	Belt size (mm)	Weight (kg)
GI 75	1	3,000	75 x 2,000	65.0
GI 75 2H	2.6–3.1	1,500/3,000	75 x 2,000	65.0
GI 150	4	3,000	150 x 2,000	82.0
GI 150 2H	2.6–3.1	1,500/3,000	150 x 2,000	82.0
GIB				17.0
GIBE	0.35			55.0

Radial grinding



Model	Pipes up to Ø (mm)	Dimension profiles / flat material max. (mm)	Belt size (mm)	Weight (kg)
GIR	20–150	120 x 150	150 x 2,225	109.0

Centreless grinding



Model	Input (kW)	Speed, no load (R.P.M)	Peripheral speed (m/sec)	Belt size (mm)	Weight (kg)
GICS	3.1	1,500/3,000	30	75 x 3,000	200.0

Longitudinal grinding



Model	Input (kW)	Dimension profiles / flat material max. (mm)	Belt size (mm)	Weight (kg)
GIL	0.18	100 x 120	150 x 2,000	64.0

Mobile use



Model	Belt size (mm)	Weight (kg)
GIM	75/150 x 2,000	35.0

Deburring



Model	Input (kW)	Speed, no load (R.P.M)	Tool dimensions max. Ø x width (mm)	Weight (kg)
GIE	1.5	1,500/3,000	250 x 60/120	34.0