

► METAL



Professional belt grinding for trade and industry.

GRIT by FEIN GHB/GX/GI



GRIT by FEIN GX – For use in the workshop.

Designed for use in trades or small-scale volume production, the GRIT GX range offers outstanding efficiency. Regardless of whether you're grinding or finishing, GRIT GX machines allow you to work efficiently and deliver high-quality results. The machines can be easily retooled for different applications; they are also safe to use and built to last.

Your benefits:

- ▶ Short retooling times.
- ▶ Can be used for both coarse and fine grinding.
- ▶ Highly cost-effective due to fast and accurate performance.
- ▶ Durable construction to withstand the toughest applications.

Belt grinder GRIT GX 75/GX 75 2H



Powerful belt grinder in one-speed or two-speed versions – the basis of the modular GX range. It can also be used on its own as a fully functional belt grinder.

Notching grinding module GRIT GXR



Expansion module for “notching” on a wide range of workpieces, such as pipes, square pipes, flat materials and profiles.

Cylindrical grinding module GRIT GXC



Expansion module for “cylindrical finishing” with coarse to fine grit.

Deburring machine GRIT GXE



Independent addition to the GRIT GX range for deburring steel and stainless steel workpieces with wire brushes. Also available with machine base as an option. (brush not included)

The system that grows with your requirements: The GRIT by FEIN GX series.

Belt grinder GRIT GX 75/GX 75 2H

GX 75	7 901 21 00 40 3
GX 75 2H	7 901 22 00 40 3
GX 75 2V	7 901 21 00 23 3
GX 75 2H 2V	7 901 22 00 23 3
Base	9 90 01 010 00 1



* Base not included.

Notching grinder GRIT GX 75/GX 75 2H + GXR

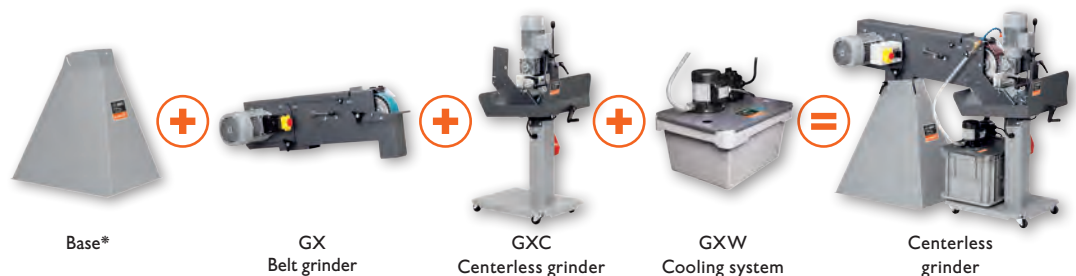
GX 75	7 901 21 00 40 3
GX 75 2H	7 901 22 00 40 3
GX 75 2V	7 901 21 00 23 3
GX 75 2H 2V	7 901 22 00 23 3
GXR	9 900 10 01 00 1
Base	9 90 01 010 00 1



* Base not included.

Centerless grinder GRIT GX 75/GX 75 2H + GXC + GXW

GX 75	7 901 21 00 40 3
GX 75 2H	7 901 22 00 40 3
GX 75 2V	7 901 21 00 23 3
GX 75 2H 2V	7 901 22 00 23 3
GXC **	7 901 23 00 44 3
GXW	7 901 24 00 44 3
Base	9 90 01 010 00 1



* Base not included.

** Field converted for 220V.

Deburring machine GRIT GXE + GIXS/GIXBE ¹

GXE 2V	7 901 05 00 23 3
GXE	7 901 05 00 40 3
GIX (base)	9 90 01 002 00 0
GIXBE (base)	9 90 01 009 00 0



* Base not included, can be used without a base.

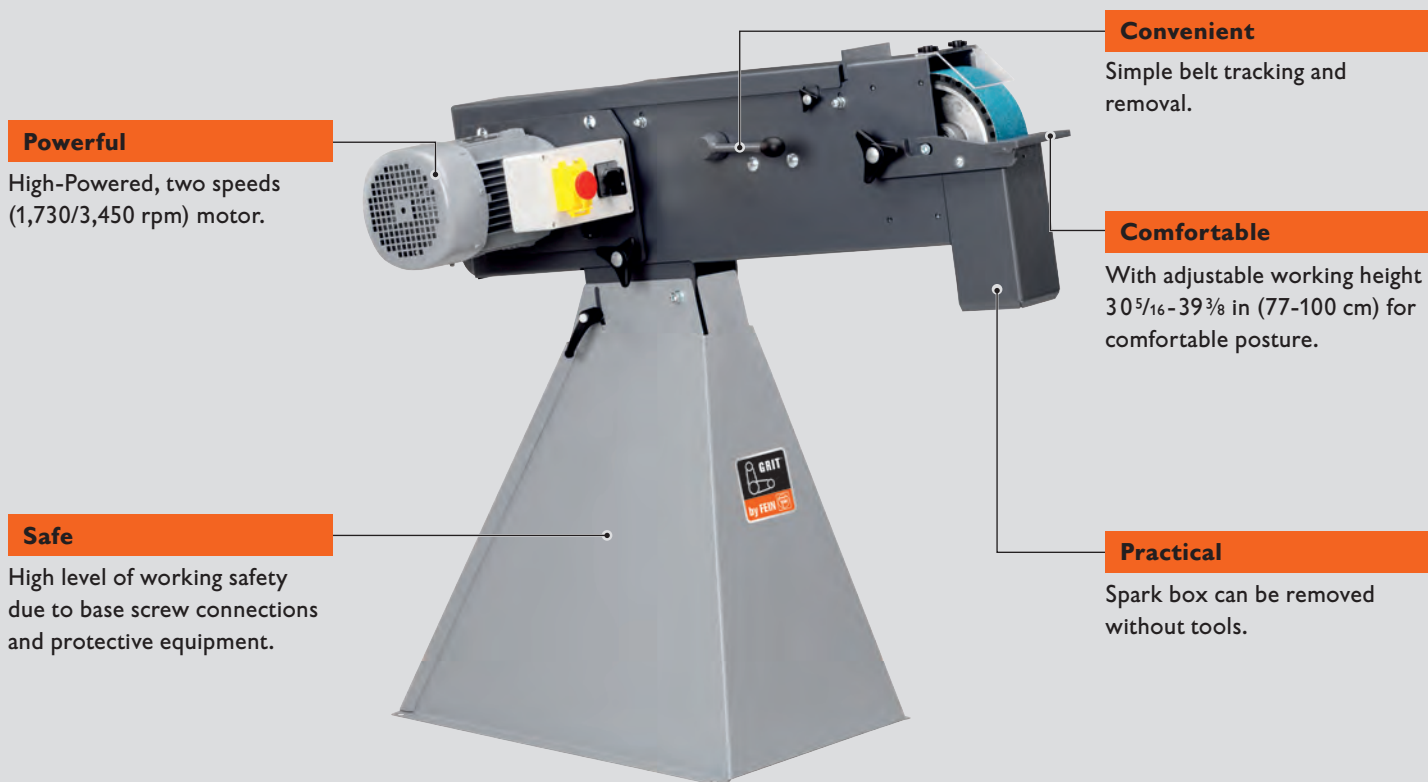
¹ Brushes not included.

The perfect starting point: Belt grinder GRIT GX 75/GX 75 2H.

The GRIT GX 75 and GRIT GX 75 2H form the basis of the GRIT GX system. They're powerful belt grinders that you can rely on even in professional use, as they feature a durable design, are easy to assemble and are equipped with everything to make working and operation easier. Using the corresponding add-on modules, you can convert your basic machine into a notching or centerless grinder.

Your benefits:

- Effective material removal in a short amount of time.
- Precise operation due to the patented belt tensioning system.
- Maximum cost effectiveness by saving on special machines.
- Can be used on its own without add-on modules.



Powerful

High-Powered, two speeds (1,730/3,450 rpm) motor.

Safe

High level of working safety due to base screw connections and protective equipment.

Convenient

Simple belt tracking and removal.

Comfortable

With adjustable working height 30⁵/₁₆ - 39³/₈ in (77-100 cm) for comfortable posture.

Practical

Spark box can be removed without tools.

Technical specifications

Model	GRIT GX 75 and GX 75 2V	GRIT GX 75 2H and GX 75 2H 2V
	Belt grinder can be expanded through the use of modules, for metalworking trades and for small-scale volume production.	Universal belt grinder, can be expanded through the use of modules, for metalworking manual trades, ideal for machining stainless steel in small-scale volume production.
Power consumption	3kW (220V) or (440V), 3 phase	1.5/2kW, (220V) or (440V), 3 phase
No-load speed	3,450 rpm	1,730 / 3,450 rpm
Belt dimensions	3 × 79 in (75 × 2,000 mm)	3 × 79 in (75 × 2,000 mm)
Weight	165 lbs. (75 kg)	165 lbs. (75 kg)
Order numbers	7 901 21 00 40 3 , GX 75, 440V, 3ph, 1 speed 7 901 21 00 23 3 , GX 75 2V, 220V, 3ph, 1 speed	7 901 22 00 40 3 , GX 75 2H, 440V, 3ph, 2 speed 7 901 22 00 23 3 , GX 75 2H, 2V, 220V, 3ph, 2 speed
Includes: 1 grinding belt 3 × 79 in (75 × 2,000 mm), 36 grit R (base not included - base part number: 9 90 01 010 00 1)		

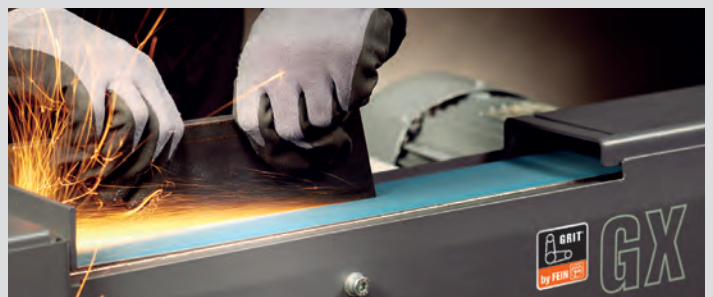


Versatile in use



Due to the powerful motor, the GRIT GX 75 belt grinders guarantee effective material removal in an extremely short amount of time. The GRIT GX 75 and GRIT GX 75 2H operate with very little vibration and make performance easier due to their patented belt tensioning system.

Ideal for flat material work



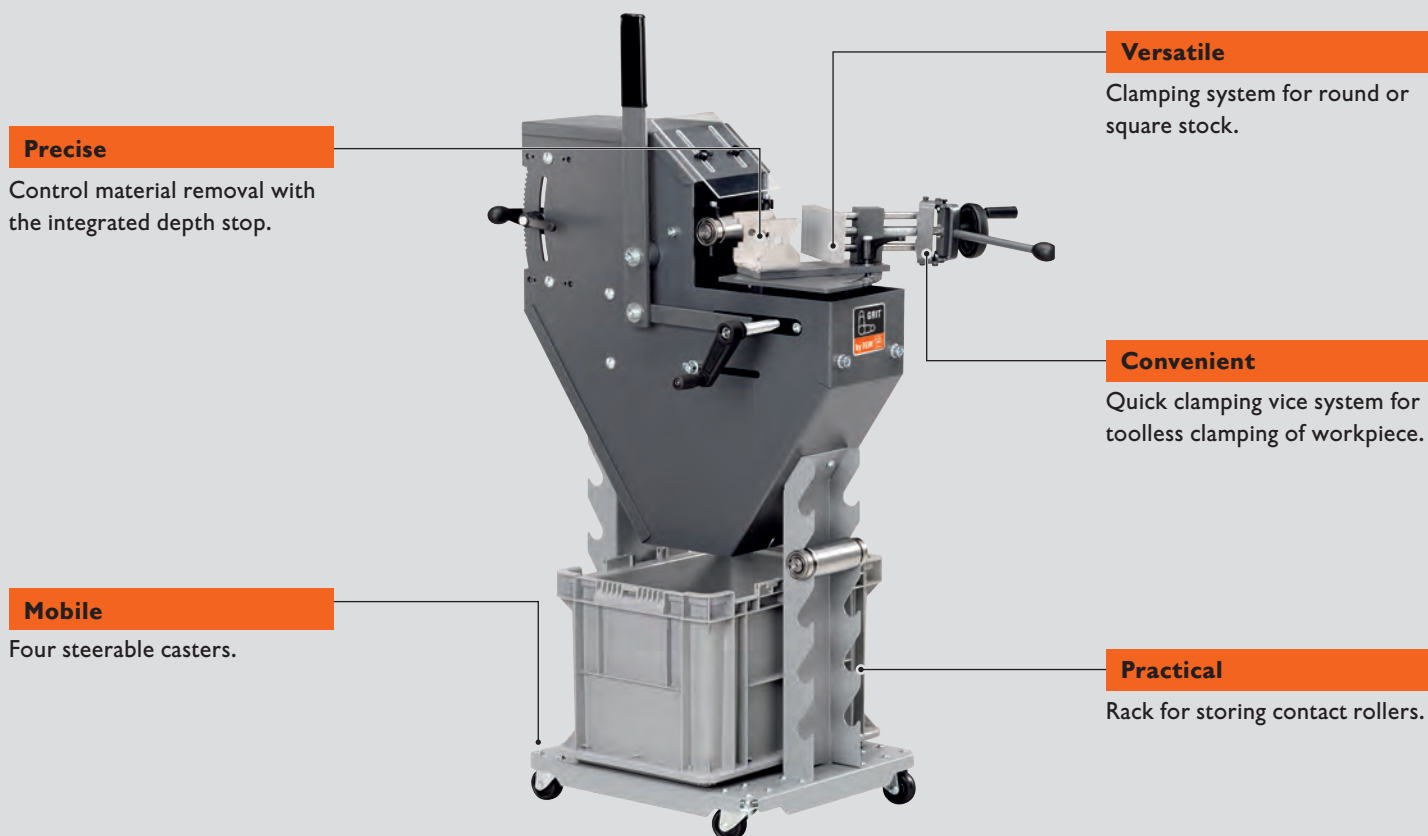
Grinding flat material is a basic capability of the GRIT GX series. A large 3 x 16 in (75 x 420 mm) grinding area is standard on both GRIT GX 75 machines, as are the height-adjustable grinding table and the easy belt alignment.

Accurate performance: Notching grinding module GRIT GXR.

Grinding exact radii on pipes is all a question of choosing the right machine. In just a few simple steps, adding the GRIT GXR module will transform your GX 75 2H belt grinder (base unit) into a professional notching grinder – equipped with depth stop, cross slide and quick clamping system a standard. This makes accurate grinding easily repeatable and convenient.

Your benefits:

- Precise grinding of profiles and tubes between $\frac{5}{8}$ –3 in (16–75 mm) in diameter.
- Accurate and comfortable operation.
- Fewer burrs and less discoloration when processing stainless steel (with GRIT GX 75 2H at the lower speed.)
- High level of flexibility as you can use an adaptor to combine the machine with the GRIT GI range. (adaptor: 6 99 02 186 00 0).



Precise

Control material removal with the integrated depth stop.

Versatile

Clamping system for round or square stock.

Convenient

Quick clamping vice system for toolless clamping of workpiece.

Mobile

Four steerable casters.

Practical

Rack for storing contact rollers.

Technical specifications

Model	GRIT GXR
	Notching grinding module for exact-fit grinding of pipe, profiles and flat materials.
Tube diameters	$\frac{5}{8}$ –3 in (16 – 75 mm)
Max. dimensions of profile/flat material	3 × 3 in (75 × 75 mm)
Belt dimensions	3 × 88 $\frac{9}{16}$ in (75 × 2,250 mm)
Weight	119 lbs. (54 kg)
Order number	9 90 01 001 00 1
Includes: 1 ea, contact roller dia; 1 11/16 in pipe (42.4 mm) and 1 7/8 in pipe (48.3 mm); 1 dust container; 1 grinding belt 3 × 88 $\frac{9}{16}$ in, grit 36 R	

Notching grinder GRIT GX 75/GX 75 2H + GXR

GX 75	7 901 21 00 40 3
GX 75 2H	7 901 22 00 40 3
GX 75 2V	7 901 21 00 23 3
GX 75 2H 2V	7 901 22 00 23 3
GXR	9 90 01 001 00 1
Base	9 90 01 010 00 1



Base*

GX
Belt grinderGXR
Notching grinderNotching
grinder

* Base not included.

Accurate fit at any angle



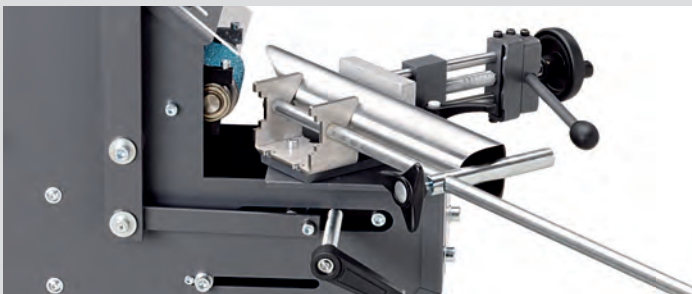
Regardless of whether you're grinding pipes, profiles or solid material, the notching grinding module GRIT GXR features the right equipment for the job. It's fitted with a cross slide that can be adjusted accurately and at speed to the angle required, a vice with stainless steel clamping jaws and a unique quick clamping system, which guarantees accurate and safe grinding.

Grind pipes accurately



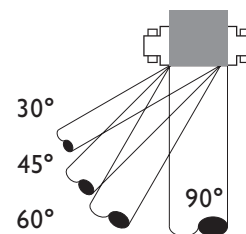
The extensive GRIT contact roller selection reliably covers all common pipe diameters, allowing the notching grinding module to accurately grind pipes with diameters between $\frac{5}{8}$ –3 in (16–75 mm) and angles between 30° to 90°.

Precise results in volume production



The retrofitable length stop for the GRIT GXR notching grinding module guarantees consistently accurate results in volume production. It is easy to retrofit and can be adjusted over a length of 39 1/2 in (1,000 mm).

Variable adjustable



For angles between 30° to 90°

- ▶ 30°/max. dia. 1 1/2 in (37.5 mm)
- ▶ 45°/max. dia. 2 1/16 in (53.0 mm)
- ▶ 60°/max. dia. 2 9/16 in (64.5 mm)
- ▶ 90°/max. dia. 3 in (75.0 mm)

Delivering surfaces that are perfect from all angles: Centerless finishing module GRIT GXC.

The centerless finishing module GRIT GXC also offers excellent efficiency and flexibility when it comes to grinding the outside of pipes. It allows you to achieve perfect surfaces with minimal effort. Ability to handle 3 15/16 in OD pipe and up to 20 ft. lengths, making it one of the most versatile machines in the market (it is recommended to use feed tables - See page 34 for accessories).

Your benefits:

- Cost effective grinding of pipes and tubes from 3/8–3 15/16 in (10–100 mm) diameter.
- High working speed with superior surface quality.
- High level of flexibility as you can use an adaptor to combine the machine with the GRIT GI range. (adaptor: 6 99 02 187 00 0).
- Use optional cooling system (GRIT GXW) for better finishes and less dust.

Stable

Locks into the GX or GI base machine for stable guiding.

Flexible

Variable speed for optimal finish 0–6 1/2 ft/min (0–2 m/min).

Convenient

Easy to adjust handles for simple and fast set-up.

Mobile

Four steerable casters.

Adaptable

Electrical connection for upgrading with cooling system GRIT GX/GI/GXW.



Technical specifications

Model	GRIT GXC
	Centerless finishing module for perfect surfaces on ferrous, non-ferrous and stainless tubular materials.
Feed motor power	.28 kW
Feed rate	0–6.5 ft/min (0–2 m/min)
Tube diameters	3/8–4 in (10–100 mm)
Belt dimensions	3 × 79 in (75 × 2,000 mm)
Weight	106 lbs. (48 kg)
Order number	7 901 23 00 44 3, (440 V*)
Includes: 2 guide rails nylon, 1 guide rail brass	

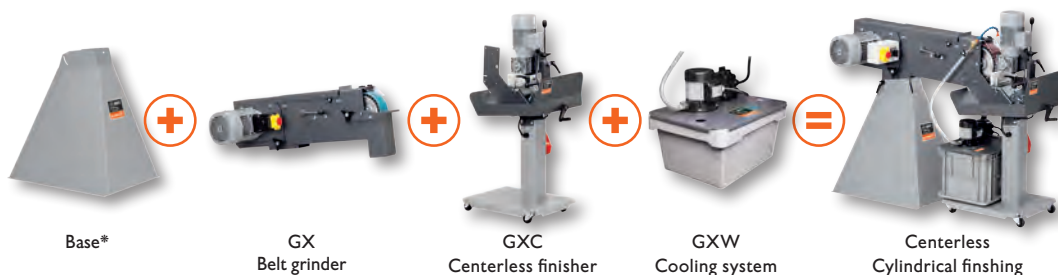
*Field converted to 220 V

Centerless grinding machine GRIT GX 75/GX 75 2H + GXC + GXW

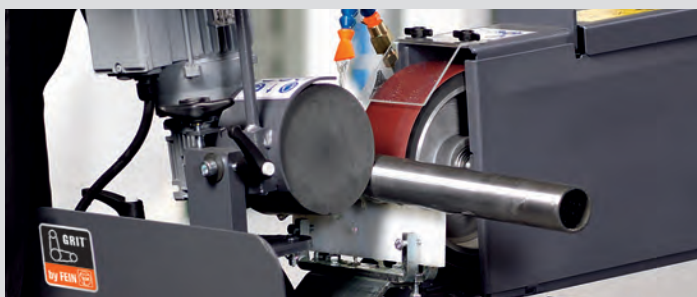
GX 75	7 901 21 00 40 3
GX 75 2H	7 901 22 00 40 3
GX 75 2V	7 901 21 00 23 3
GX 75 2H 2V	7 901 22 00 23 3
GXC **	7 901 23 00 44 3
GXW	7 901 24 00 44 3
Base	9 90 01 010 00 1

* Base not included.

** Field converted for 220V.



The quick way to achieve all-round brilliant results



Perfect surface quality and a high working speed when machining tubes and pipes aren't a problem for the centerless grinding module GRIT GXC. The feed speed can be continuously adjusted to the material to be machined, to a max of 6 ½ ft (2 m) per minute.

Always on the right track



The scope of supply includes a variety of guide rails adapted to the surface quality of the workpiece. The brass guide rail is designed for rough surfaces, such as corrosion, scale and so on or for dry grinding. The nylon rail, meanwhile, is the perfect choice for surface finishing and sensitive materials.

Significantly enhance surface results



Finishing with the GRIT GXW greatly enhanced surface results by using the coolant system. Using the coolant system alleviates small particulate allowing the belts longer service life. The risk of corrosion on stainless steel pipes is reduced alleviating heat development. A closed circuit ensures economical use of the cooling system. (when finishing stainless steel, always grind in concealed and clean environment due to cross-contamination.

Ideal for finish grinding



The cooling system GRIT GXW guarantees optimal results and working conditions.

Technical specifications

Model	GXW
Power	.12 kW
Weight	19 lbs. (8.6 kg)
Order number	7 901 24 00 44 3 (440 V*)
Includes: 1 liter concentrated cooling (1:30) mix ratio	

*Field converted to 220 V

The clean way to finish: Deburring machine GRIT GXE.

An outstanding addition to the GRIT GX range, the deburring machine GRIT GXE finishes your work perfectly. It's extremely effective at deburring pipes, profiles and flat materials. The wide range of GRIT deburring brushes can tackle almost any deburring job. Whether they're used with or without extraction, both machine bases are optimally suited to the deburring machine GRIT GXE. They're also easy to install, have a durable design and are extremely stable. Machine bases can also be used for the GRIT GI range (GRIT GIE).

Your benefits:

- Fast and efficient deburring of pipes and profiles.
- Versatile, in use, due to a wide range of available wire brushes.
- Available in different power classes: GX/GI.

Safe

Integrated safety switch with motor protection.

Convenient

Gap between wire brush and support table can be adjusted without tools.

Versatility

Machine can be secured to machine base or workbench.



Clean

Integrated dust extraction in GRIT GIXBE or with external extraction system.



Technical specifications		
Model	GRIT GXE ¹	GRIT GIE
	Effective deburring machine for metalworking trades and small production runs.	
Power	2.2 kW	
Speed	1,730 rpm	
Max. wheel dimensions	9 7/8 x 2 3/8 in (250 x 60 mm) ¹	9 7/8 x 2 3/4 in (250 x 120 mm) ¹ (Qty 2)
Power cord	7 ft (2 m)	
Weight	71 lbs. (32 kg)	75 lbs. (34 kg)
Order number	7 901 05 00 23 3 (230 V)	7 902 07 00 23 3 (230 V)
	7 901 05 00 40 3 (440 V)	7 902 07 00 40 3 (440 V)
Includes: Safety switch; low voltage breaker (base not included - Base part number GIX - 9 90 01 002 00 0, GIXBE - 9 90 01 009 00 0)		

¹ Brushes not included.

Deburring machine GRIT GXE + GIXS/GIXBE ¹

GXE (2V)	7 901 05 12 23 3
GXE	7 901 05 00 40 3
GIE (2V)	7 902 07 00 23 3
GIE	7 902 07 00 40 3
GIX (base)	9 90 01 002 00 0
GIXBE (base)	9 90 01 009 00 0

* Base not included.

¹ Brushes not included.



Machine bases*



Deburring machine (base unit)



Deburring machine

Machine base GRIT GIXS without dust extraction



- Stable sheet metal machine base.
- Ability to mount to the floor.

Machine base GRIT GIXBE with dust extraction



- Sheet metal machine base.
- Ability to mount to the floor.
- Highly effective double dust extraction.
- Effective air cleaning.
- Spark-resistant collection box for metal chips.
- Flexible, heat-resistant steel extraction tubes.

Technical specifications

Model	GRIT GIXS
Dimensions (L × W × H)	12 x 10 ½ x 30 in (304 × 356 × 769 mm)
Weight	40 lbs. (18 kg)
Order number	9 90 01 002 00 0

Technical specifications

Model	GRIT GIXBE
Power	.37 kW
Max. vacuum	2.65 mbar
Dimensions (L × W × H)	12 × 23 × 27 ½ in (305 × 575 × 700 mm)
Weight	128 lbs. (58 kg)
Order number	9 90 01 009 00 0



GRIT by FEIN GI for industrial use.

The GRIT GI range is perfectly suited for all grinding applications, materials in the metal industry. Due to the modular system, you can assemble the machine to fit your needs – even for steps that have already been partly automated. The high quality, durability and outstanding power of the machines guarantee maximum efficiency and mean that the machines pay for themselves quickly, as they offer complete reliability, even in continuous use.

Your benefits:

- ▶ Simple and comfortable operating use.
- ▶ Long run times, even in continuous industrial use.
- ▶ High-powered motors and dependable construction provide excellent cost-effectiveness and operating reliability.

Belt grinder



High-performance belt grinders for heavy-duty-use. The base machine for the modular GRIT GI range is available as a one-speed or two-speed version. It can also be used on its own as a fully functional belt grinder.

Notching



The perfect solution for accurate grinding of pipes, tubes, flat materials and profiles in industry.

Centerless finisher



Cost-effective centerless grinding of pipes in automated processes – from coarse grinding to surface finishing. Used in combination with the cooling system, GRIT GXW, it allows you to achieve perfect results at a low temperature. Offers 2 attachments, depending size of the machine.

Linear grinder



The patented surface grinder GRIT GILS, the only one of its kind on the market, delivers perfect surface results quickly and cost effectively due to the automatic feed.

The efficient and cost effective system: The GRIT by FEIN GI machine series.

Belt grinder GRIT GI 75/GI 75 2H/GI 150/GI 150 2H + GIB/GIBE

GI 75	7 902 01 00 40 3
GI 75 2H	7 902 02 00 40 3
GI 150	7 902 04 00 40 3
GI 150 2H	7 902 05 00 40 3
GI 75 2V	7 902 01 00 23 3
GI 75 2H 2V	7 902 02 00 23 3
GI 150 2V	7 902 04 00 23 3
GI 150 2H 2V	7 902 05 00 23 3
GIB (base)	9 90 01 003 00 0
GIBE (base)	9 90 01 004 00 0

* Base not included.



Machine
bases



GI
Belt grinder



GI
Belt grinder

Notching grinder GRIT GI 150/GI 150 2H + GIB/GIBE + GIR

GI 150	7 902 04 00 40 3
GI 150 2H	7 902 05 00 40 3
GI 150 2V	7 902 04 00 23 3
GI 150 2H 2V	7 902 05 00 23 3
GIR	9 90 01 007 00 1
GIB (base)	9 90 01 003 00 0
GIBE (base)	9 90 01 004 00 0

* Base not included.



Machine
bases



GI
Belt grinder



GI
Notching module



GI
Notching grinder

Centerless grinder GRIT GI 150/GI 150 2H + GIB + GIC + GXW

GI 150	7 902 04 00 40 3
GI 150 2H	7 902 05 00 40 3
GI 150 2V	7 902 04 00 23 3
GI 150 2H 2V	7 902 05 00 23 3
GIC **	7 902 12 00 44 3
GIB (base)	9 90 01 003 00 0

* Base not included.

** Field converted for 220V.



Machine
base



GI
Belt grinder



GI
Centerless module



GI
Centerless grinder

The industrial workhorse: Belt grinders GI 75/GI 75 2H and GI 150/GI 150 2H.

The standard for industrial belt grinding: the belt grinders GRIT GI 75 and GRIT GI 150. Every component is specially designed to tackle tough professional use while the exceedingly powerful motor keeps the speed constant and delivers high cutting power. Available with belt widths of 3 and 6 in (75 and 150 mm) and as a one-speed or two-speed versions.

Your benefits:

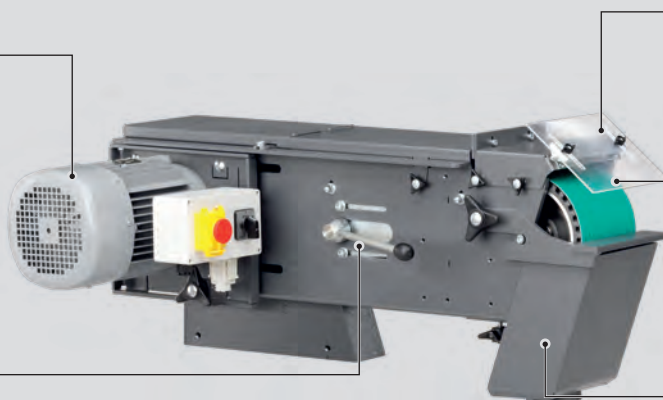
- Reliable at all times, even under the toughest conditions.
- Easy to convert to a notching, centerless or flat material grinder.
- Optional dust extraction system for clean operation.
- Motors designed for continuous industrial use.

Powerful

High-Powered, two speeds (1,730/3,450 rpm) motor.

Convenient

Simple belt tracking and removal.



Safe

Work rest and individually adjustable eye guard.

Comfortable

Adjustable working height and workpiece support.

Practical

Spark box can be removed without tools.

Technical specifications

Model	GI 75	GI 75 2H	GI 150	GI 150 2H
	High-performance belt grinder, modular expansion capability, for demanding volume applications.	High performance belt grinder, modular expansion capability, for industrial and production applications. Two speeds, ideal for processing stainless steel.	High-performance belt grinder, modular expansion capability, for demanding volume production of extra-wide workpieces.	High performance belt grinder, modular expansion capability, for industrial and production applications. Two speeds, ideal for processing stainless steel.
Power	4 kW, (220V, or 440V) 3 ph	2.6/3.1 kW, (220V or 440V) 3 ph	4 kW, (220V) or (440V) 3 ph	2.6/3.1 kW, (220V or 440V) 3 ph
No-load speed	3,450 rpm	1,730/3,450 rpm	3,450 rpm	1,730/3,450 rpm
Belt dimensions	3 × 79 in (75 × 2,000 mm)		6 × 79 in (150 × 2,000 mm)	
Belt speed	98 ft/sec (30m/sec)	49/98 ft/sec (15/30 m/sec)	98 ft/sec (30m/sec)	49/98 ft/sec (15/30 m/sec)
Weight	143 lbs. (65 kg)		181 lbs. (82 kg)	
Order numbers	7 902 01 00 40 3* GI 75, 440V, 3ph 1 speed 7 902 01 00 23 3* GI 75 2V, 3ph 1 speed	7 902 02 00 40 3* GI 75 2H, 440V, 3ph 2 speed 7 902 02 00 23 3* GI 75, 2H 2V, 3ph 2 speed	7 902 04 00 40 3* GI 150, 440V, 3ph 2 speed 7 902 04 00 23 3* GI 150 2V, 3ph, 2 speed	7 902 05 00 40 3* GI 150 2H, 440V 3ph, 2 speed 7 902 05 00 23 3* GI 150 2H 2V, 3ph, 2 speed
Includes	1 grinding belt 3 × 79 in (75 × 2,000 mm), 36 grit R		1 grinding belt 6 × 79 in (150 × 2,000 mm) 36 grit R	

* Base not included.

Belt grinding machine GI 75/GI 75 2H/GI 150/GI 150 2H + GIB/GIBE

GI 75	7 902 01 00 40 3
GI 75 2H	7 902 02 00 40 3
GI 75 2V	7 902 01 00 23 3
GI 75 2H 2V	7 902 02 00 23 3
GI 150	7 902 04 00 40 3
GI 150 2H	7 902 05 00 40 3
GI 150 2V	7 902 04 00 23 3
GI 150 2H 2V	7 902 05 00 23 3
GIB (base)	9 90 01 003 00 0
GIBE (base)	9 90 01 004 00 0

* Base not included.



Machine
bases



GI belt grinder



Belt grinding machine
with GIB base



Belt grinding machine
with GIBE base

Machine base without dust extraction system GIB



- Working height can be adjusted conveniently and with ease using the gas compression.
- High level of stability due to durable design.

Machine base with dust extraction system GIBE



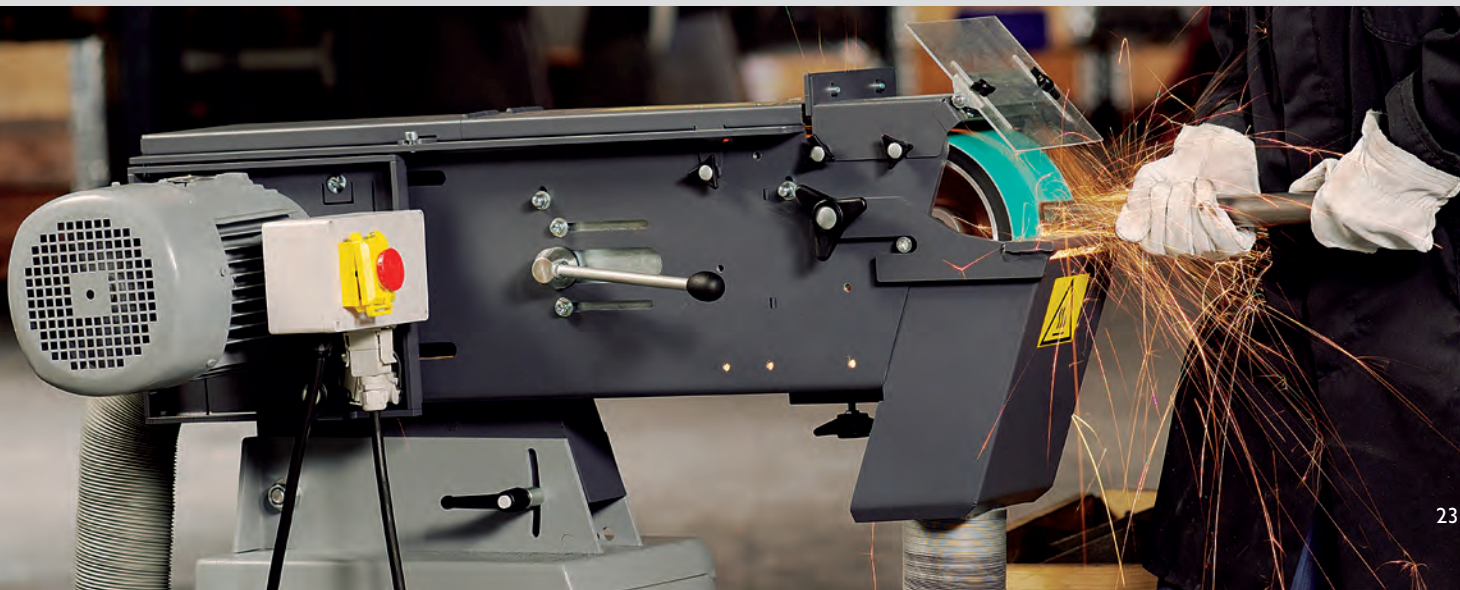
- Working height can be adjusted with ease using the gas compression spring.
- High level of stability due to durable design.
- Cartridge filter for effective air cleaning
- Flexible, heat-resistant steel extraction pipes.

Technical specifications

Model	GIB
Weight	37.5 lbs (17 kg)
Order number	9 90 01 003 00 0

Technical specifications

Model	GIBE
Power	350 Watts
Weight	121 lbs (55 kg)
Order number	9 90 01 004 00 0

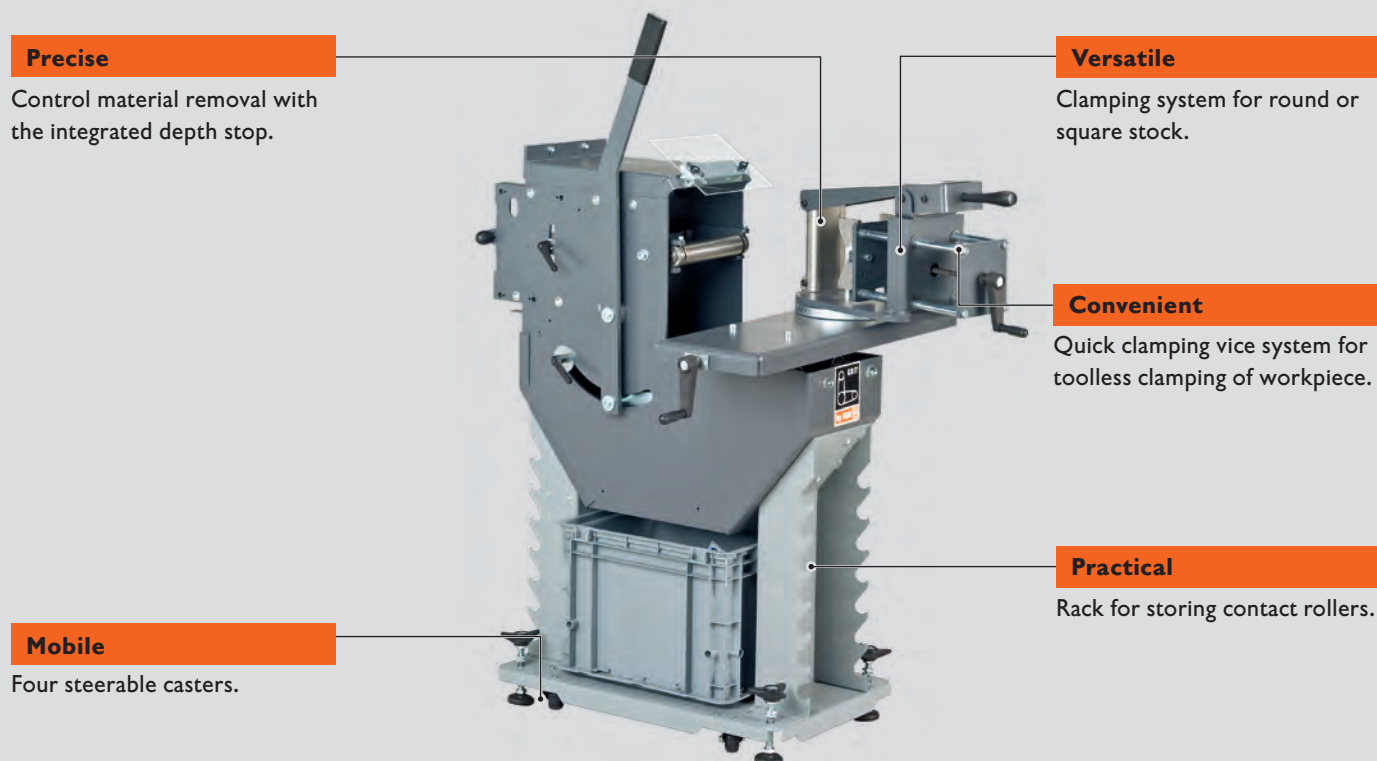


Notching in volume production: notching module GRIT by FEIN GIR.

Fast and accurate, the notching module GRIT GIR is ideal for industrial use. Effective material removal guarantees cost-effective working – and with a belt width of 6 in (150 mm), the machine is also suited to workpieces with larger diameters.

Your benefits:

- Accurate grinding of pipes with diameters up to 6 in (150 mm).
- Fewer burrs and less tarnishing when machining stainless steel (with GRIT GI 150 2H / low speed).



Technical specifications

Model	GRIT GIR
	Notching module for exact-fit grinding of pipe, profiles and flat materials in production work, even with extra-wide sections.
Tube diameters	5/8–6 in (20–150 mm)
Max. dimensions of profile/flat material	4 3/4–6 in (120×150mm)
Belt dimensions	6×88 9/16/6×94 in (150×2,250/150×2,400 mm) with contact rollers over 6 in (150 mm) dia. and mitre grinding plate
Weight	241 lbs (109 kg)
Order number	9 90 01 007 00 1
Includes: 1 contact roller 1-11/16 in pipe (42.4 mm) dia.; 1 dust container; 1 grinding belt 6×88 9/16 in (150×2,250 mm), grit 36 R	

Radius module GRIT GI 75/GI 75 2H 2V + GXR + GIR/GI 150/GI 150 2H + GRIT GIB/GIBE + GRIT GIR

GI 75	7 902 01 00 40 3
GI 75 2H	7 902 02 00 40 3
GI 75 2V	7 902 01 00 23 3
GI 75 2H 2V	7 902 02 00 23 3
GI 150	7 902 04 00 40 3
GI 150 2H	7 902 05 00 40 3
GI 150 2V	7 902 04 00 23 3
GI 150 2H 2V	7 902 05 00 23 3
GIR	9 90 01 007 00 1
GIB (base)	9 90 01 003 00 0
GIBE (base)	9 90 01 004 00 0

* Base not included.



Machine
bases



GI belt grinder



Notching grinder
machine



Radius grinding
module

Durable and powerful


The GRIT GIR machine series was specially developed for use in industry. The durable construction provides efficiency and accuracy in continuous use and when processing thick-walled or solid material.

Efficient and easy to use

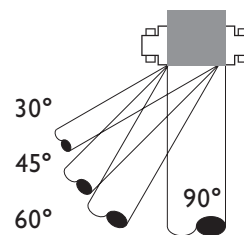

Due to the quick clamping system, you can change the workpiece efficiently and easily using the heavy-duty vice. The stainless steel clamping jaws supplied prevent contact corrosion with stainless steel workpieces. The suction nozzle (order no. 6 99 02 182 00 0) is required for effective extraction.

Flexibility


GRIT has developed a special miter plate to ensure that everything fits when grinding miters. Easy installation makes it unique in the marketplace. The miter grinding plate is available as an option. (order number 6 99 02 175 00 0).

Maximum pipe diameter:

- ▶ 0° – Ø 4½ in (110 mm)
- ▶ 30° – Ø 3⅞ in (80 mm)
- ▶ 45° – Ø 2⅞ in (60 mm)

Fully adjustable


For angles from 30° to 90°

- ▶ 30°/max. Ø 2⅞ in (75 mm)
- ▶ 45°/max. Ø 4⅞ in (105 mm)
- ▶ 60°/max. Ø 5 in (130 mm)
- ▶ 90°/max. Ø 6 in (150 mm)

Perfect results in centerless finishing: GRIT by FEIN GIC.

The unique module for industrial production centerless finishing. Easy, fast, and tool-free mounting on the base machine (suitable for GRIT GI 150, GRIT GI 150 2H). The GRIT GIC handles all centerless finishing tasks including straight tubes and cylindrical stock, pre-grinding for chrome plating, as well as pipe for perfect surface finishing. It achieves maximum surface quality and can be adjusted for different pipe dimensions. Ideal for applications in railing fabrication and plant construction. (it is recommended to use feed tables - See page 35 for accessories)

Your benefits:

- ▶ Quick retooling time.
- ▶ High surface quality.
- ▶ Flexible when processing pipe dimension between $\frac{3}{8}$ to $5 \frac{1}{8}$ in (10 to 130 mm) diameter.
- ▶ The option of wet finishing cuts down on dust levels.
- ▶ Sturdy steel design.
- ▶ Should be used with external guide rolling system.

Powerful

Three phase motor, designed for uninterrupted service.

Efficient

Quick fastener for simple retooling without need for tools.



Flexible

Variable feed speed 0-6 1/2 ft/min (0-2 m/min) for perfect surfaces.

Adaptable

Optional cooling system for wet grinding, for cool surfaces, a dust-free environment and long grinding belt service life.

Mobile

Four steerable casters.



Technical specifications

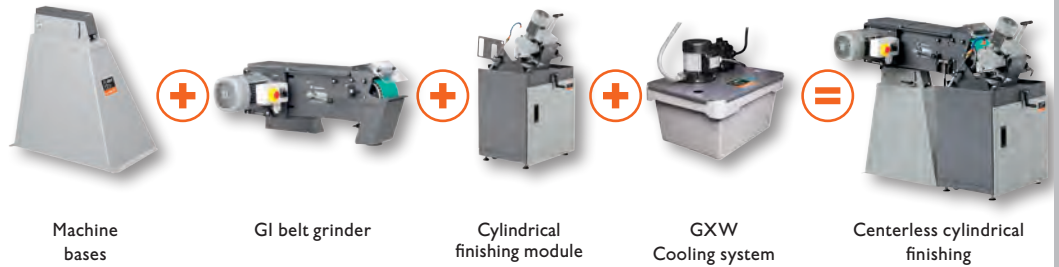
Model	GRIT GIC
	Centerless grinding module for industrial volume production.
Power	.18 kW
Tube diameters	$\frac{3}{8}$ – $5 \frac{1}{8}$ in (10 – 130 mm)
Tube length	12 in - 20 ft (300 – 6,000 mm)
Feed rate	0-6.5 ft/min (0-2 m/min)
Belt dimensions	6 x 79 in (150 x 2000mm)
Weight	143 lbs (65 kg)
Order number	7 902 12 00 44 3, (440V*)

Includes: 2 guide rails nylon, 1 guide rail brass.

*Field converted to 220 V

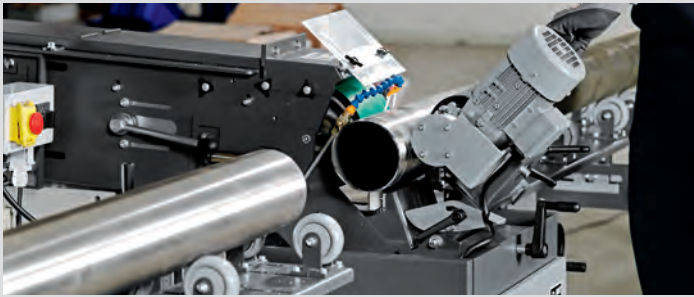
Centerless grinder GRIT GI 150/GI 150 2H + GRIT GIB/GIBE + GRIT GIC + GRIT GXW

GI 150	7 902 04 00 40 3
GI 150 2H	7 902 05 00 40 3
GI 150 2V	7 902 04 00 23 3
GI 150 2H 2V	7 902 05 00 23 3
GIC	7 902 12 00 44 3
GXW	7 901 24 00 44 3
GIB (base)	9 90 01 003 00 0
GIBE (base)	9 90 01 004 00 0



* Base not included.

** GI 75 can be used with GXC module

Extremely cost-effective


Like all units in the GRIT GI series, the GRIT GIC cylindrical grinding module is designed for maximum loading. Maximum automation ensures reliable operation even in continuous manufacturing use, and also pays off from an economic viewpoint.

Extremely easy to install


Connection of the GRIT GIC cylindrical finishing module to the GRIT GI belt grinding machine is as simple as possible and completed quickly.

Perfect results


Wet finishing allows you to achieve perfect results. Due to effective cooling with the cooling system, GRIT GXW, the operating temperature on the workpiece is reduced considerably. This is particularly beneficial when machining stainless steel. Both overheating and the risk of corrosion are prevented. The water wiping system, which is also available as an option, allows you to automatically rid the machined workpiece of excess water.

Accurate processing


You can easily machine a wide range of pipe diameters with lengths of up to 20 ft. (6 m) using the pipe guide, which is available as an option.

Belt grinding goes mobile: The GRIT by FEIN GIMS.

The GRIT by FEIN GIMS grinding module is the perfect solution when the work cannot be brought to the grinder. The solution, bring the grinder to the work surface. Perfect for weld prep or grinding weld seams on large, flat surface areas such as ship decks. The GIMS eliminates time consuming hand work and operator fatigue.

Your benefits:

- Highly efficient grinding, finishing and honing of weld seams at floor level.
- Effective grinding of steel forms for precast concrete.
- Fatigue free work with a comfortable posture.

Precise

Adjustable contact wheel for flat grinding.

Safe

Switch within reach on the handle.

Accurate

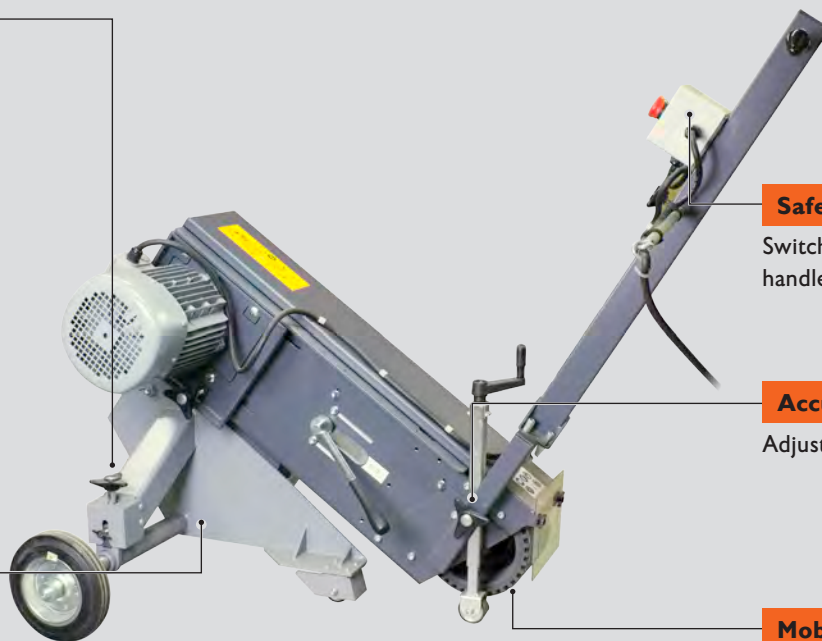
Adjustable depth stop.

Flexible

Adjustable wheelbase for cramped working conditions.

Mobile

Effective "on site" grinding at floor level.



Technical specifications

Model	GIMS 75	GIMS 75 2V	GIMS 150	GIMS 150S 2V
Power	4 kW, 440V 3 ph	4 kW, 220V 3 ph	4 kW, 440V 3 ph	4 kW, 220V 3 ph
No-load speed	3,400 rpm		3,400 rpm	
Belt dimensions	3 × 79 in (75 × 2,000 mm)		6 × 79 in (150 × 2,000 mm)	
Belt speed	98 ft/sec (30m/sec)		98 ft/sec (30m/sec)	
Weight	220 lbs. (100 kg)		243 lbs. (110 kg)	
Order numbers	7 902 13 00 40 3	7 902 13 00 23 3	7 902 14 00 40 3	7 902 14 00 23 3
Includes	1 grinding belt 3 × 79 in (75 × 2,000 mm), 36 grit R		1 grinding belt 6 × 79 in (150 × 2,000 mm), 36 grit R	

Mobile belt grinder GRIT GIMS 75

GIMS 75	7 902 13 00 40 3
GIMS 75 2V	7 902 13 00 23 3
GIMS 150	7 902 14 00 40 3
GIMS 150 2V	7 902 14 00 23 3



Mobile grinder

Comfortable working

Convenient handling of the mobile grinding unit GRIT by FEIN GIM is impressive in many work situations.

Unrivalled removal rate

The combination of GRIT by FEIN GIM module and the GRIT by FEIN GI basic belt grinding machine is suitable for grinding thicker weld seams.

Completely automatic flat material grinding: Flat material grinding machine GRIT by FEIN GILS.

Completely assembled linear grinding machine. Indispensable for surface preparation and finishing on flat surfaces and edge grinding. The GRIT by FEIN GILS delivers perfect surfaces, quickly and efficiently and is ideally suited for processing all metals, even stainless steel.

Your benefits:

- Perfect processing of all metals, from steel to non-ferrous metals to stainless steel.
- Best surface results through to finishing in the shortest time.
- Easy handling, even with angular workpieces or workpieces on edge.

Time-saving

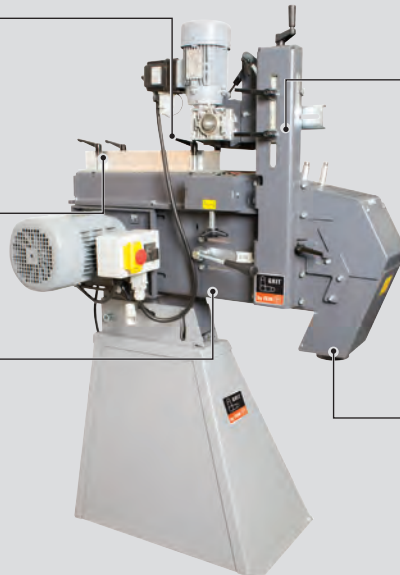
Adjustable handles for ease of setup.

Flexible

Adjustment of the workpiece width using movable stops.

Convenient

Simple belt tracking and removal.



Stable

Complete unit for square and flat stock grinding.

Clean

Front and rear dust ports for efficient dust extraction. Pleated filter with metal mat for spark protection.

Technical specifications

Model	GILS 150 2H w/GIB	GILS 150 2H 2V w/GIB	GILS 150 2H w/GIBE	GILS 150 2H 2V w/GIBE
Positioning	Flat grinding machine for perfect automated longitudinal grinding of square tube, sections and flat materials. Two speeds for effective finishing of stainless steel.			
Power	2.6/3.1 kW			
No load speed	1,750–3,450 rpm			
Belt dimensions	6 × 79 in (150 × 2,000 mm)			
Belt speed	49/98 ft/sec (15/30 m/sec)			
Max. dimensions of profile/flat material	4 × 4 in (100 × 100 mm)			
Min.-Max. Length profiles/flat material	12–79 in (300–2,000 mm)			
Max. weight profiles/flat material	20 lbs (9 kg)			
Weight	417 lbs (189 kg)	417 lbs (189 kg)	454 lbs (206 kg)	454 lbs (206 kg)
Order number	7 902 35 00 40 3	7 902 35 00 23 3	7 902 51 00 40 3	7 902 51 00 23 3

Includes: 1 grinding belt 6 × 79 in (150 × 2,000 mm), 36 grit R, GIB of GIBE bas.

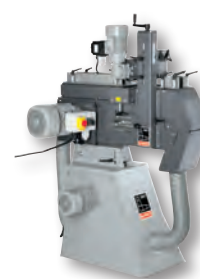
Flat material grinder GRIT GILS

GILS 150 2H w/ GIB*	7 902 35 00 40 3
GILS 150 2H 2V w/ GIB*	7 902 35 00 23 3
GILS 150 2H w/ GIBE*	7 902 51 00 40 3
GILS 150 2H 2V w/GIBE*	7 902 51 00 23 3

* Base included.



Flat material grinding machine
with GIB base



Flat material grinding machine
with GIBE base

Flat grinding made simple



Even longitudinal grinding of square and flat material or profiles is made as easy as possible with the unique flat material grinding machine GRIT GILS. There is no change in the belt dimensions of the base unit. A patent application has been made for this GRIT solution.