Professional belt grinding in manual trades and industry.
GRIT GX/GI
GRIT belt grinders – one system, a wealth of possibilities.

GRIT by FEIN is synonymous with competence and durability in belt grinding. One modular system is capable of satisfying all requirements, even the most stringent ones. GRIT belt grinders are characterised by their long service lives and can be operated for hours on end, regardless of whether it’s in continuous use or shift operation. Thanks to their powerful three-phase motors, they can even cope with extreme grinding conditions. Their robust design means that they can withstand high loads, which are common in professional use.
Reliable in manual trades and industry.

GRIT belt grinders are designed for all applications. The GRIT GX range is suited to manual trades, and the GRIT GI range to industry. Both ranges feature the unique modular system made up of powerful basic belt grinders and application-specific add-on modules. This is complemented by an extensive range of special accessories. GRIT belt grinders therefore cover all conceivable areas of application.

**GRIT GX for the workshop**

By combining the basic belt grinder GRIT GX 75 2H with the right add-on modules, you can turn it into a radius or rotary grinder. Also included in the range: a deburring machine.

**GRIT GI for industry**

Also featuring a modular design, the range for industry is adapted to the particular requirements of volume production and tough special applications.

**GRIT accessories**

Everything you need: from a variety of grinding belts and contact rollers to eye guards.
GRIT GX – for use in the workshop.

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

The benefits for you:
- Short retooling times.
- Can be used in a variety of ways for coarse or fine grinding applications.
- Highly cost-effective thanks to fast and accurate working.
- Robust housing that can withstand even the toughest applications.

Belt grinder GRIT GX 75/GX 75 2H

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

Radius grinding module GRIT GXR

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

Rotary grinding module GRIT GXC

Extension module for grinding and polishing round materials – from coarse grinding to surface finish.

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.
The system that grows with your requirements: the GRIT GX range of machines.

Belt grinder GRIT GX 75/GX 75 2H

Belt grinder (base unit)

GX 75 7 901 31
GX 75 2H 7 901 32

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

Radius grinder

Belt grinder (base unit)

GX 75 7 901 31
GX 75 2H 7 901 32

Radius grinding module

GXR 9 90 01 001

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

Centreless rotary grinder

Belt grinder (base unit)

GX 75 7 901 31
GX 75 2H 7 901 32

Rotary grinding module

GXC 7 901 32

Cooling lubricant module

GXW 7 901 32

Deburring machine GRIT GXE + GRIT GIXS/GIXBE

Deburring machine

Deburring machine (base unit)

GXE 7 901 05

Machine base

GIXS 9 90 01 002
GIXBE 9 90 01 009
The perfect starting point: the 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 robust 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 radius or rotary grinder.

**The benefits for you:**
- Effective material removal in a short space of time.
- Accurate working thanks to patented belt tensioning system.
- Highly cost-effective as special machines are not required.
- Can be used on its own without add-on modules.

**Ergonomic**
Tried-and-tested design in accordance with ergonomic criteria for simple handling.

**Comfortable**
With adjustable working height for a natural posture.

**Practical**
Swarf container can be removed without tools.

**Powerful**
High motor power with constant speed.

**Variable**
Ideal for machining stainless steel: GRIT GX 75 2H with switchable speeds (1,500/3,000 rpm).

**Safe**
High level of working safety thanks to base screw connections and protective equipment.

---

### Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GX 75</th>
<th>GRIT GX 75 2H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belt grinder, can be expanded through the use of modules, for metalworking manual trades and for small-scale volume production</td>
<td>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</td>
<td></td>
</tr>
<tr>
<td>Power consumption kW</td>
<td>3</td>
<td>1.5/2</td>
</tr>
<tr>
<td>Idling speed rpm</td>
<td>3,000</td>
<td>1,500/3,000</td>
</tr>
<tr>
<td>Belt dimensions mm</td>
<td>75 × 2,000</td>
<td>75 × 2,000</td>
</tr>
<tr>
<td>Weight kg</td>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td>Order number</td>
<td>7 901 31</td>
<td>7 901 32</td>
</tr>
</tbody>
</table>

Also included: 1 16A CEE reversing pole plug; 1 75 x 2,000 mm grinding belt, grit 36 R
Thanks to the powerful motor, the belt grinders GRIT GX 75 are extremely powerful and therefore guarantee effective material removal in an extremely short time. The GRIT GX 75 and GRIT GX 75 2H operate with very little vibration and make accurate working easier thanks to their patented belt tensioning system.

Grinding surfaces is one of the standard GRIT applications. Both GRIT GX 75 machines feature a large grinding area of 75 x 420 mm, a height-adjustable surface grinding table and easy belt adjustment as standard.
Accurate working: the radius 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 radius grinder – equipped with depth stop, cross slide and quick clamping system as standard. This makes accurate grinding not only straightforward but much more comfortable too.

**The benefits for you:**
- Accurate grinding of profiles and pipes between 16 and 75 mm in diameter.
- Accurate and comfortable working.
- Fewer burrs and less tarnishing when machining stainless steel (with GRIT GX 75 2H/low speed).
- High level of flexibility as you can use an adapter to combine the machine with the GRIT GI range.

<table>
<thead>
<tr>
<th>Time-saving</th>
<th>Durable</th>
<th>Precise</th>
<th>Comfortable</th>
<th>Safe</th>
<th>Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td>The workpiece can be clamped without tools.</td>
<td>Vice with stainless steel clamping jaws.</td>
<td>With integrated depth stop.</td>
<td>Vice with quick clamping system for round pipes, square pipes and solid material.</td>
<td>Dust container filled with water for safe removal of hot swarf and sparks.</td>
<td>Magazine for storing contact rollers.</td>
</tr>
<tr>
<td>Safe</td>
<td>Mobile</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simple handling thanks to four steerable transport rollers.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GXR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter of pipes mm</td>
<td>16 – 75</td>
</tr>
<tr>
<td>Max. dimensions of profiles/flat material mm</td>
<td>75 x 75</td>
</tr>
<tr>
<td>Belt dimensions mm</td>
<td>75 x 2,250</td>
</tr>
<tr>
<td>Weight kg</td>
<td>54</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 001</td>
</tr>
</tbody>
</table>

Also included: 1 contact roller with a diameter of 42.4 mm; 1 contact roller with a diameter of 48.3 mm; 1 dust container; 1 75 x 2,250 mm grinding belt, grit 36 R.
Regardless of whether you’re grinding pipes, profiles or solid material, the radius grinding module GRIT GXR features the right equipment for the job as standard. 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.

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

The extensive range of GRIT contact rollers reliably covers all common pipe diameters, allowing the radius grinding module to accurately grind pipes with diameters of between 16 and 75 mm and an angle of between 30° and 90°.
Delivering surfaces that are perfect from all angles: the rotary grinding module GRIT GXC.

The rotary grinding 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. The rotary grinding module GRIT GXC can be converted to a centreless rotary grinder in just a few simple steps.

**The benefits for you:**

- Cost-effective grinding of pipes and shafts with diameters of between 10 and 100 mm.
- High working speed with superior surface quality.
- High level of flexibility as you can use an adapter to combine the machine with the GRIT GI range.
- Optimum machining thanks to wet grinding in conjunction with cooling lubricant module GRIT GXW.

**Reliable**

Guide rail can be changed for different materials.

**Precise**

Continuously variable feed.

**Variable**

Continuously variable contact pressure.

**Mobile**

Simple handling thanks to four steerable transport rollers.

**Can be upgraded**

Electrical connection for upgrading with cooling lubricant module GRIT GXW.

---

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GXC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed motor power</td>
<td>W 180</td>
</tr>
<tr>
<td>Diameter of pipes</td>
<td>mm 10–100</td>
</tr>
<tr>
<td>Belt dimensions</td>
<td>mm 75 x 2,000</td>
</tr>
<tr>
<td>Weight</td>
<td>kg 48</td>
</tr>
<tr>
<td>Order number</td>
<td>7 901 23</td>
</tr>
</tbody>
</table>

Also included: 1 nylon guide rail; 1 brass guide rail; 1 16 A CEE plug
Perfect surface quality and a high working speed when machining pipes and shafts are no problem for the rotary grinding module GRIT GXC. The feed speed can be continuously adjusted to the material to be machined, to max. 2 metres per minute.

Wet grinding with the cooling lubricant module GRIT GXW delivers greatly enhanced surface results. Swarf is bound immediately, and the grinding belts have longer service lives thanks to cooling. The risk of corrosion on stainless steel pipes is cut too as a result of reduced heat development. A closed circuit ensures economical use of the cooling lubricant.

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.

Wet grinding with the cooling lubricant module GRIT GXW delivers greatly enhanced surface results. Swarf is bound immediately, and the grinding belts have longer service lives thanks to cooling. The risk of corrosion on stainless steel pipes is cut too as a result of reduced heat development. A closed circuit ensures economical use of the cooling lubricant.

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GXW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>W 120</td>
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<tr>
<td>Weight</td>
<td>kg 8.6</td>
</tr>
<tr>
<td>Order number</td>
<td>7 901 24</td>
</tr>
</tbody>
</table>

Also included: 1 litre of cooling lubricant emulsion (1:30)
The clean way to finish off: the 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 robust design and are extremely stable. Machine bases can also be used for the GRIT GI range (GRIT GI 100 and GRIT GIE).

The benefits for you:

- Fast and effective deburring of pipes and profiles.
- Can also be used as a polisher (with polishing discs).
- Versatile in use thanks to wide range of wire brushes available.

<table>
<thead>
<tr>
<th>Safe</th>
<th>Time-saving</th>
<th>Comfortable</th>
<th>Clean</th>
</tr>
</thead>
<tbody>
<tr>
<td>High level of operating safety thanks to integrated safety switch with motor protection.</td>
<td>Gap between wire brush and support table can be adjusted without tools.</td>
<td>Height-adjustable support fixture.</td>
<td>Extraction integrated in support stand GRIT GIXBE or with external extraction system.</td>
</tr>
</tbody>
</table>

Machine can be secured to machine base or workbench.

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GXE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective deburring machine for metalworking manual trades and small-scale volume production</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>kW</td>
</tr>
<tr>
<td>2.2</td>
<td></td>
</tr>
<tr>
<td>Speed</td>
<td>rpm</td>
</tr>
<tr>
<td>1,500</td>
<td></td>
</tr>
<tr>
<td>Max. tool dimensions</td>
<td>mm</td>
</tr>
<tr>
<td>250 × 60</td>
<td></td>
</tr>
<tr>
<td>Connecting cable</td>
<td>m</td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
</tr>
<tr>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Order number</td>
<td>7 901 05</td>
</tr>
</tbody>
</table>

Also included: Safety switch; undervoltage circuit breaker; 1 16 A CEE reversing pole plug
Deburring machine GRIT GXE + GRIT GIXS/GIXBE

- Deburring machine
- Deburring machine (base unit) 
- Machine base
- GRIT GXE 7 901 05
- GRIT GIXS 9 90 01 002
- GRIT GIXBE 9 90 01 009

Machine base GRIT GIXS without extraction

- Stable sheet metal machine base.
- High level of stability thanks to dowel fastening.

Machine base GRIT GIXBE with extraction

- Sheet metal machine base.
- Sturdy dowel fastening.
- Highly-effective extraction.
- Effective air cleaning.
- Spark-resistant container for metal swarf.
- Flexible, heat-resistant steel extraction hose.

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIXS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (L x W x H) mm</td>
<td>304 × 356 × 769</td>
</tr>
<tr>
<td>Weight kg</td>
<td>18</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 002</td>
</tr>
</tbody>
</table>

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIXBE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power W</td>
<td>370</td>
</tr>
<tr>
<td>Max. vacuum mbar</td>
<td>2.65</td>
</tr>
<tr>
<td>Dimensions (L x W x H) mm</td>
<td>305 × 575 × 700</td>
</tr>
<tr>
<td>Weight kg</td>
<td>58</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 009</td>
</tr>
</tbody>
</table>
GRIT GI – for industrial use.

The GRIT GI range is perfectly coordinated to all grinding applications, materials and formats in the metal industry. Thanks to the modular system, you can assemble the machine to suit your requirements – even for steps that have already been partly automated. The high quality, robustness 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.

The benefits for you:

- Simple and comfortable operating concept.
- Long run times, even in continuous industrial use.
- High level of efficiency and operating safety thanks to high motor power and robust design.

Belt grinder

High-performance belt grinders for heavy-duty-use. The basic 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.

Radius grinder

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

Rotary grinder

Cost-effective rotary grinding of pipes in automated processes – from coarse grinding to surface finishing. Used in combination with the cooling lubricant module GRIT GXW, it allows you to achieve perfect results at a low temperature.

Longitudinal grinder

The patented surface grinder GRIT GILS, the only one of its kind on the market, delivers perfect surface results quickly and cost-effectively thanks to the automatic feed.
The efficient and cost-effective system: the GRIT GI range of machines.

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

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

Rotary grinder GRIT GI 75/GI 75 2H/GI 150/GI 150 2H + GRIT GIB + GRIT GIC + GRIT GXW

Longitudinal grinder GRIT GI 150/GI 150 2H + GRIT GIB/GIBE + GRIT GIL
The principal element for any job: the belt grinders GRIT GI 75/GI 75 2H and GRIT GI 150/GI 150 2H.

The principal element for industrial belt grinding: the belt grinders GRIT GI 75 and GRIT GI 150. Every component is specially designed to cope with tough professional use while the exceedingly powerful motor keeps the speed constant and delivers high cutting power. Available with belt widths of 75 and 150 mm and as a one-speed or two-speed version.

**The benefits for you:**
- Reliable in use at all times, even under the toughest conditions.
- Easy to convert to a radius, rotary or surface grinder.
- Optional extraction system connection for clean working.
- Motors designed for continuous industrial use.

**Flexible**
Can be adjusted for continuous linear grinding.

**Variable**
Available with 2 speeds and a variety of belt widths (75 mm or 150 mm).

**Powerful**
Constant speed at high cutting power, even in continuous use.

**Safe**
Stop, grinding gap and individually adjustable eye guard.

**Ergonomic**
Adjustable working height, height-adjustable support.

**Comfortable**
Low-vibration, patented belt tensioning system.

### Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GI 75</th>
<th>GRIT GI 75 2H</th>
<th>GRIT GI 150</th>
<th>GRIT GI 150 2H</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>High-performance belt grinder, can be expanded through the use of modules, for stringent requirements in volume production</td>
<td>Universal high-torque belt grinder, can be expanded through the use of modules, for industrial and volume production applications, ideal for machining stainless steel</td>
<td>High-performance belt grinder, can be expanded through the use of modules, for stringent requirements in volume production of extra-wide workpieces</td>
<td>Universal high-torque belt grinder, can be expanded through the use of modules, for industrial and volume production applications, ideal for machining stainless steel for extra-wide workpieces</td>
</tr>
<tr>
<td>Power</td>
<td>kW</td>
<td></td>
<td>kW</td>
<td>kW</td>
</tr>
<tr>
<td></td>
<td>4.0</td>
<td>2.6–3.1</td>
<td>4.0</td>
<td>2.6–3.1</td>
</tr>
<tr>
<td>Idling speed</td>
<td>rpm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3,000</td>
<td>1,500/3,000</td>
<td>3,000</td>
<td>1,500/3,000</td>
</tr>
<tr>
<td>Belt dimensions</td>
<td>mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>75 x 2,000</td>
<td>75 x 2,000</td>
<td>150 x 2,000</td>
<td>150 x 2,000</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>65</td>
<td>65</td>
<td>82</td>
<td>82</td>
</tr>
<tr>
<td>Order number</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7 902 01</td>
<td>7 902 02</td>
<td>7 902 04</td>
<td>7 902 05</td>
</tr>
<tr>
<td>Also included:</td>
<td>16A CEE plug; 75 x 2,000 mm grinding belt, grit 36 R</td>
<td>16A CEE plug; 150 x 2,000 mm grinding belt, grit 36 R</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Belt grinder GRIT GI 75/GI 75 2H/GI 150/GI 150 2H + GRIT GIB/GIBE**

- Belt grinder
- Belt grinder (base unit)
- Machine base

**Machine base without extraction GRIT GIB**

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

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>kg 17</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 003 00 0</td>
</tr>
</tbody>
</table>

**Machine base with extraction GRIT GIBE**

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

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIBE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>W 350</td>
</tr>
<tr>
<td>Weight</td>
<td>kg 55</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 004 00 0</td>
</tr>
</tbody>
</table>
Radius grinding in volume production: the radius grinding module GRIT GIR.

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

The benefits for you:

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

Flexible
With adjustable eye guard.

Time-saving
The workpiece can be clamped without tools.

Clean
Option of connecting to integrated extraction in conjunction with GRIT GIBE and adapter.

Precise
With integrated depth stop for volume production.

Mobile
Simple handling thanks to four steerable transport rollers.

Practical
Magazine for storing contact rollers for all common pipe diameters.

Safe
Dust container filled with water for safe removal of hot swarf and sparks.

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Radius grinding module for accurate grinding on pipes and profiles in volume applications and for extra-wide cross-sections too</td>
</tr>
<tr>
<td>Diameter of pipes mm</td>
<td>20–150</td>
</tr>
<tr>
<td>Max. dimensions of profiles/flat material mm</td>
<td>120 x 150</td>
</tr>
<tr>
<td>Belt dimensions mm</td>
<td>150 x 2,250 / 150 x 2,400 (for contact rollers with diameters greater than 150 mm and mitre joint grinding plate)</td>
</tr>
<tr>
<td>Weight kg</td>
<td>115</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 007 00 1</td>
</tr>
</tbody>
</table>

Also included: 1 contact roller for diameters of 42.4 mm/1 dust container; 1 150 x 2,250 mm grinding belt, grit 36 R
Thanks 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.

The radius grinding module GRIT GIR was developed especially for use in industry. Thanks to its robust design, it is cost-effective and accurate in continuous use and when machining thick-walled or solid materials.

GRIT has developed a special mitre joint grinding plate to ensure smooth mitre joint grinding. The fact that it is easy to install makes it unique on the market. The mitre joint grinding plate is available as an option.

Maximum pipe diameter:
- 0° – Ø 110 mm
- 30° – Ø 80 mm
- 45° – Ø 60 mm

For angles of between 30° and 90°
- 30° / max. Ø 75 mm
- 45° / max. Ø 105 mm
- 60° / max. Ø 130 mm
- 90° / max. Ø 150 mm
Perfect results for mobile use: GRIT GIC.

The unique module for high volume, industrial rotary grinding. The GRIT GIC is quickly and easily attached to the basic machine without the need for tools (GRIT GI 75, GRIT GI 75 2H, GRIT GI 150, GRIT GI 150 2H are all suitable) and then masters all centreless grinding tasks, such as subsequent grinding of straight pipes and round materials, pre-grinding for subsequent chrome-plating and polishing and grinding pipes to a perfect surface finish. It delivers outstanding surface qualities and can be flexibly adapted to various pipe dimensions. Ideal for use in handrail and plant construction.

The benefits for you:
- Quick retooling time.
- High surface quality.
- Flexible when machining pipe dimensions of between 10 and 130 mm.
- Low-vibration and quiet.
- The option of wet grinding cuts down dust levels.
- Sturdy steel design.

Powerful
S1 three-phase motor, designed for continuous use.

Efficient
Quick fastener for simple retooling without the need for tools.

Flexible
Continuously variable feed speed for perfect surfaces.

Optional
Cooling lubricant module for wet grinding, for cool surfaces, a dust-free environment and long grinding belt service life.

Comfortable
Maximum mobility thanks to transport rollers.

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power W</td>
<td>180</td>
</tr>
<tr>
<td>Diameter of pipes mm</td>
<td>10–130</td>
</tr>
<tr>
<td>Length of pipes mm</td>
<td>300–6,000</td>
</tr>
<tr>
<td>Variable feed m/min</td>
<td>0–2</td>
</tr>
<tr>
<td>Belt width mm</td>
<td>75/150</td>
</tr>
<tr>
<td>Belt length mm</td>
<td>2,000</td>
</tr>
<tr>
<td>Weight kg</td>
<td>65</td>
</tr>
<tr>
<td>Order number</td>
<td>7 902 12</td>
</tr>
</tbody>
</table>
Wet grinding allows you to achieve perfect results. Thanks to effective cooling with the cooling lubricant module 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 swarf or excess water.

Like all elements of the GRIT GI range, the rotary grinding module GRIT GIC is designed to cope with extremely high loads. Maximum automation during manufacturing delivers reliable results and is kind to your wallet, even during continuous use.

Combining the rotary grinding module GRIT GIC and the belt grinder GRIT GI is child’s play and just takes a few steps.

You can easily machine a wide range of pipe diameters with lengths of up to 6 m using the pipe guide, which is available as an option.
The automatic choice for surface grinding: the surface grinding module GRIT GIL.

This module is indispensable for machine and handrail construction and welded structures. The surface grinding module GRIT GIL for longitudinal grinding features an automated feed and is the only one of its kind on the market. The GRIT GIL is the quick and cost-effective way to achieve perfect surfaces and is suitable for all metals, even for machining stainless steel.

The benefits for you:
- Perfect machining of all metals, from steel and non-ferrous metals to stainless steel.
- Outstanding surface results, right up to finishing, in an extremely short time.
- Easy to handle, even when working with square and upright workpieces.
- Space-saving with swivel joint (optional).

Precise
For even feed speed and therefore outstanding surface results.

Flexible
Adjustable stops can be used to set the width of the workpiece.

Comfortable
Virtually vibration-free.

Practical
Swivel fixture for accurate setting of grinding belts.

Safe
Brake wheel can be set exactly.

Adjustable
Contact pressure can be continuously adjusted using the brake wheel.

Variable
Standard grinding possible in conjunction with the contact wheel.

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface grinding module for perfect longitudinal grinding of square pipes, profiles and flat materials in automatic processes</td>
<td></td>
</tr>
<tr>
<td>Feed motor power</td>
<td>W 180</td>
</tr>
<tr>
<td>Max. dimensions of profiles/flat material</td>
<td>mm 100 × 100</td>
</tr>
<tr>
<td>Belt dimensions</td>
<td>mm 150 × 2000</td>
</tr>
<tr>
<td>Weight</td>
<td>kg 64</td>
</tr>
<tr>
<td>Order number</td>
<td>7 902 28</td>
</tr>
</tbody>
</table>
The unique surface grinding module GRIT GIL makes even longitudinal grinding of square and flat materials or profiles child’s play. Converting from the belt grinder to surface grinder is just as easy. The belt dimensions of the basic machine are retained. FEIN has filed a patent for this GRIT solution.

Thanks to the swivel joint GRIT GIT (available as an option, order no. 6 99 02 176 00 0) and the modular machine concept, you can even use the GRIT GIL module where space is tight, as the working range can be easily adapted to the spatial circumstances. The continuously variable swivel range is 0°–90°.
Deburring – done the industrial way: the deburring machine GRIT GIE.

Deburring workpieces made from steel, non-ferrous materials and stainless steel is quick and easy with the deburring machine GRIT GIE. The robust design and powerful drive make this machine ideal for industrial use. It’s also easy to accommodate in tight spaces, either as a tabletop unit or with optional support stand.

The benefits for you:

- Efficient deburring with wire brushes and standard polishing tools.
- Flexible installation on the machine base or the workbench.
- Optimum speed adaptation with two speeds.
- Integrated extraction in combination with machine base GRIT GIXBE or using external extraction systems.

| Safe | Emergency switch. |
| Safe | Adjustable eye guard. |
| Variable | You can choose between 2 speeds for effective deburring. |
| Safe | Machine can be secured to machine base or workbench. |
| Time-saving | Gap between wire brush and support table can be adjusted without tools. |

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely effective deburring machine for deburring extra wide workpieces in industrial volume</td>
<td></td>
</tr>
<tr>
<td>Power kW</td>
<td>1.5</td>
</tr>
<tr>
<td>Speed rpm</td>
<td>1,500/3,000</td>
</tr>
<tr>
<td>Max. tool diameter mm</td>
<td>250</td>
</tr>
<tr>
<td>Tool width mm</td>
<td>2 x 60</td>
</tr>
<tr>
<td>Weight kg</td>
<td>34</td>
</tr>
<tr>
<td>Order number</td>
<td>7 902 07</td>
</tr>
</tbody>
</table>
Deburring machine GRIT GIE + GRIT GIXS/GIXBE

Deburring machine
Deburring machine (base unit)
Machine base
GIE
GIXS
GIXBE
7 902 07
9 90 01 002
9 90 01 009

The cost-effective way to deburr pipes and profiles

Ideal for use after grinding pipes and profiles up to 150 mm wide. Extra wide wire surface thanks to 2 wire brushes clamped in parallel as a set.

Wire brushes that can be adapted flexibly

You can choose the wire brushes to suit the burr thickness, material type and wall thickness.

Machine base GRIT GIXS without extraction

- Stable sheet metal machine base
- High level of stability thanks to dowel fastening

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIXS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (L × W × H) mm</td>
<td>304 × 356 × 769</td>
</tr>
<tr>
<td>Weight kg</td>
<td>18</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 002</td>
</tr>
</tbody>
</table>

Machine base GRIT GIXBE with extraction

- Sheet metal machine base
- Sturdy dowel fastening
- Highly effective extraction
- Effective air cleaning
- Spark-resistant container for metal swarf
- Flexible, heat-resistant steel extraction hose

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIXBE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power W</td>
<td>370</td>
</tr>
<tr>
<td>Max. vacuum mbar</td>
<td>2.65</td>
</tr>
<tr>
<td>Dimensions (L × W × H) mm</td>
<td>305 × 575 × 700</td>
</tr>
<tr>
<td>Weight kg</td>
<td>58</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 009</td>
</tr>
</tbody>
</table>
A professional belt grinder in miniature form: the belt grinder GRIT GI 100/GI 100 EF.

It's a miniature machine that fairly packs a punch. The belt grinder GRIT GI 100 is the compact machine for coarse grinding, deburring small parts and for continuous surface grinding in volume production. Its small size make this robust and compact belt grinder the perfect choice where space is tight.

The benefits for you:
- Extremely powerful belt grinder that can be used universally.
- Ideal for machining small parts.
- Can be used as a table-top machine or on a machine base with or without integrated extraction as an option (see page 31).

Safe
Stop, grinding gap and individually adjustable eye guard.

Flexible
Can be adjusted for linear grinding.

Variable
Can be installed on a machine base or be used as a table-top machine on the workbench.

Comfortable
Comfortable operation: low-vibration, patented belt tensioning system.

Clean
Prepared for connection to integrated extraction in combination with GRIT GIXBE or for external extraction system.

Technical data

| Model | | GRIT GI 100 | GRIT GI 100 EF |
|-------|----------------|----------------|
| Power kW | 1.5 | 1.5 |
| Voltage / type of current at 50/60 Hz V | 3 × 400 V (3~) / 3 × 440 V (3~) | 1 × 230 (1~) / 1 × 230 (1~) |
| Idling speed at 50/60 Hz rpm | 3,000/3,450 | 3,000/3,450 |
| Peripheral speed m/sec. | 30 | 30 |
| Belt dimensions mm | 100 × 1,000 | 100 × 1,000 |
| Weight kg | 28 | 28 |
| Order number | 7 902 03 | 7 902 03 00 23 2 |

Also included: 1 100 x 1,000 mm grinding belt, grit 60 Z.
Ideal for grinding, chamfering and deburring small parts. When combined with the machine base GRIT GIXBE, swarf is extracted through a fine dust filter.

Cleaner air thanks to fine dust filter

Machine base GRIT GIXS without extraction

- Stable sheet metal machine base.
- High level of stability thanks to dowel fastening.

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIXS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (L × W × H) mm</td>
<td>304 × 356 × 769</td>
</tr>
<tr>
<td>Weight kg</td>
<td>18</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 002</td>
</tr>
</tbody>
</table>

Machine base GRIT GIXBE with extraction

- Sheet metal machine base.
- Sturdy dowel fastening.
- Highly effective extraction
- Effective air cleaning.
- Spark-resistant container for metal swarf.
- Flexible, heat-resistant steel extraction hose.

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIXBE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power W</td>
<td>370</td>
</tr>
<tr>
<td>Max. vacuum mbar</td>
<td>2.65</td>
</tr>
<tr>
<td>Dimensions (L × W × H) mm</td>
<td>305 × 575 × 700</td>
</tr>
<tr>
<td>Weight kg</td>
<td>58</td>
</tr>
<tr>
<td>Order number</td>
<td>9 90 01 009</td>
</tr>
</tbody>
</table>
Designed for one application: the belt grinders GRIT GIS 75/GIS 150.

When it comes to belt grinding under extreme conditions, for instance, in heavy-duty applications, the belt grinders GRIT GIS 75 and GRIT GIS 150 are the right machines for the job. They are characterised by their robust motors, easy of handling and top-class product and work quality. The machines are also extremely easy to commission, feature numerous equipment details aimed consistently at the needs of day-to-day belt grinding and offer fantastic value for money.

The benefits for you:
- One machine concept, aimed solely at high-performance belt grinding.
- High level of working safety thanks to numerous safety features (CE symbol).
- No need to call in an electrician for commissioning.

### Quiet
Drive disk with polyurethane coating for vibration-free and quiet operation

### Powerful
S1 three-phase motor with 4 kW power, designed for continuous use

### Robust
Welded machine design for high loads

### Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIS 75</th>
<th>GRIT GIS 150</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>High-performance grinder for standard grinding</td>
<td>High-performance grinder for standard grinding</td>
</tr>
<tr>
<td></td>
<td>applications in metalworking</td>
<td>applications for extra-wide workpieces</td>
</tr>
<tr>
<td>Power</td>
<td>kW</td>
<td>kW</td>
</tr>
<tr>
<td></td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Speed</td>
<td>m/sec</td>
<td>m/sec</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Speed</td>
<td>rpm</td>
<td>rpm</td>
</tr>
<tr>
<td></td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Belt dimensions</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>75 × 2,000</td>
<td>150 × 2,000</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
<td>kg</td>
</tr>
<tr>
<td></td>
<td>74</td>
<td>93</td>
</tr>
<tr>
<td>Order number</td>
<td>7 902 29 50</td>
<td>7 902 30 50</td>
</tr>
</tbody>
</table>

Also included: 1 grinding belt, grit 36 Z; 1 16 A CEE plug
The gas spring tension automatically balances the dimensional tolerances of the belts. Combined with a polyurethane-coated drive disk, the optimum belt tension is achieved – without slipping.

Surface grinding

It’s the ideal solution for standard applications in belt grinding. The powerful three-phase motor combined with the specially grooved GRIT contact wheel and the GRIT high-performance grinding belts ensure first-class work progress and perfect results, even in continuous use.

Belt tensioner

Coarse grinding

The graphite coating between the grinding belt and support is a perfect sliding base and preserves the grinding belt.

It’s the ideal solution for standard applications in belt grinding. The powerful three-phase motor combined with the specially grooved GRIT contact wheel and the GRIT high-performance grinding belts ensure first-class work progress and perfect results, even in continuous use.

GRIT grinding materials

Only a high-quality grinding belt can achieve professional cutting performance. The GRIT grinding belts have therefore always been a permanent feature of the GRIT premium concept. They offer consistently outstanding performance in terms of both grinding and service life – which makes GRIT grinding belts very cost-effective to use.
Belt grinding goes mobile: GRIT GIMS.

The mobile grinder GRIT GIMS is used whenever transporting the workpiece requires a lot of effort. The mobile grinding unit can therefore be used in various locations, in shipbuilding, for instance. Welded seams on the ground can be finished in a flash – with minimal effort, no need to stoop and massive time savings compared with alternative methods.

**The benefits for you:**

- Massive time savings when grinding welded seams on the ground.
- Easy to grind steel casting moulds for concrete finished parts.
- Fatigue-free working in a comfortable position.
- Various designs to suit application.

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GIMS 75</th>
<th>GRIT GIMS 150</th>
<th>GRIT GIMS 75 2H</th>
<th>GRIT GIMS 150 2H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>kW</td>
<td>kW</td>
<td>kW</td>
<td>kW</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>2.6/3.1</td>
</tr>
<tr>
<td>Voltage / type of current at 50/60 Hz</td>
<td>V</td>
<td>230/220 (3–) 400/440 (3–)</td>
<td>230/220 (3–) 400/440 (3–)</td>
<td>230/220 (3–) 400/440 (3–)</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
<td></td>
<td></td>
<td>100–115</td>
</tr>
<tr>
<td>Order number</td>
<td></td>
<td>7 902 13</td>
<td>7 902 18</td>
<td>7 902 14</td>
</tr>
</tbody>
</table>

**Precise**

Contact plate parallel to the workpiece surface.

**Flexible**

Adjustable centre distance for tight spaces.
The mobile grinder GRIT GIMS is characterised by comfortable handling in many work situations.

The GRIT GIMS delivers outstanding removal of material from raised welded seams.
The automatic choice for surface grinding: the surface grinder GRIT GILS.

This grinder is indispensable for machine and handrail construction and welded structures. The surface grinder GRIT GIL for longitudinal grinding features an automated feed and is the only one of its kind on the market. It is the quick and cost-effective way to achieve perfect surfaces and is suitable for all metals, even for machining stainless steel.

The benefits for you:
- Perfect machining of all metals, from steel and non-ferrous metals to stainless steel.
- Outstanding surface results, right up to finishing, in an extremely short time.
- Easy to handle, even when working with square and upright workpieces.

Precise
For even feed speed and therefore outstanding surface results.

Flexible
Adjustable stops can be used to set the width of the workpiece.

Adjustable
Contact pressure can be continuously adjusted using brake wheel.

Comfortable
Virtually vibration-free.

Variable
Standard grinding possible in conjunction with the contact wheel.

Clean
Highly effective double extraction with cartridge filter for effective air cleaning.

Grinding belt feeding
For accurate feeding of the grinding belts.

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>GRIT GILS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Surface grinder for perfect longitudinal grinding of square pipes, profiles and flat materials in automatic processes</td>
</tr>
<tr>
<td>Power</td>
<td>kW</td>
</tr>
<tr>
<td>Feed motor power</td>
<td>W</td>
</tr>
<tr>
<td>Belt dimensions</td>
<td>mm</td>
</tr>
<tr>
<td>Max. dimensions of profiles/flat material</td>
<td>mm</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
</tr>
<tr>
<td>Order number</td>
<td>7 902 31</td>
</tr>
<tr>
<td></td>
<td>7 902 15 (without extraction)</td>
</tr>
</tbody>
</table>
The unique surface grinder GRIT GILS makes even longitudinal grinding of square and flat materials or profiles child’s play. The belt dimensions of the basic machine are retained. FEIN has filed a patent for this GRIT solution.
Nothing but the best: original GRIT grinding belts.

The high quality requirements placed on GRIT machines apply to the grinding belts too. FEIN believes that grinding belts should be of premium quality – for effective material removal and outstanding service lives in metalworking, which makes GRIT grinding belts very cost-effective to use. Using the best raw materials and own assembly facilities also delivers perfect value for money.

### GRIT grinding material R
Extra heavy polyester fabric, fully bonded with artificial resins, with zirconium corundum. Additional top layer for cooling during grinding.

<table>
<thead>
<tr>
<th>Grit</th>
<th>No. in pack</th>
<th>75 × 2000</th>
<th>75 × 2250</th>
<th>75 × 3000</th>
<th>100 × 1000</th>
<th>150 × 2000</th>
<th>150 × 2250</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>10</td>
<td>6 99 03 00 0 0 0</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>6 99 03 03 9 0 0</td>
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<tr>
<td>36</td>
<td>10</td>
<td>6 99 03 00 2 0 0</td>
<td>6 99 03 02 0 0 0</td>
<td>–</td>
<td>–</td>
<td>6 99 03 04 0 0 0</td>
<td>6 99 03 05 3 0 0</td>
</tr>
<tr>
<td>40</td>
<td>10</td>
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<td>6 99 03 04 2 0 0</td>
<td>–</td>
</tr>
<tr>
<td>60</td>
<td>10</td>
<td>6 99 03 00 7 0 0</td>
<td>–</td>
<td>6 99 03 02 5 0 0</td>
<td>–</td>
<td>6 99 03 04 4 0 0</td>
<td>–</td>
</tr>
<tr>
<td>80</td>
<td>10</td>
<td>6 99 03 00 9 0 0</td>
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<td>6 99 03 02 7 0 0</td>
<td>–</td>
<td>6 99 03 04 6 0 0</td>
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</tr>
<tr>
<td>120</td>
<td>10</td>
<td>6 99 03 01 3 0 0</td>
<td>–</td>
<td>6 99 03 02 9 0 0</td>
<td>–</td>
<td>6 99 03 04 8 0 0</td>
<td>–</td>
</tr>
</tbody>
</table>

### GRIT grinding material Z
Heavy polyester fabric, fully bonded with artificial resins, with zirconium corundum.

<table>
<thead>
<tr>
<th>Grit</th>
<th>No. in pack</th>
<th>75 × 2000</th>
<th>75 × 2250</th>
<th>75 × 3000</th>
<th>100 × 1000</th>
<th>150 × 2000</th>
<th>150 × 2250</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>10</td>
<td>6 99 03 00 3 0 0</td>
<td>6 99 03 02 1 0 0</td>
<td>–</td>
<td>6 99 03 03 4 0 0</td>
<td>6 99 03 04 1 0 0</td>
<td>6 99 03 05 4 0 0</td>
</tr>
<tr>
<td>36</td>
<td>10</td>
<td>6 99 03 00 5 0 0</td>
<td>–</td>
<td>–</td>
<td>6 99 03 03 5 0 0</td>
<td>6 99 03 04 3 0 0</td>
<td>–</td>
</tr>
<tr>
<td>40</td>
<td>10</td>
<td>6 99 03 00 8 0 0</td>
<td>–</td>
<td>6 99 03 02 6 0 0</td>
<td>6 99 03 03 6 0 0</td>
<td>6 99 03 04 5 0 0</td>
<td>–</td>
</tr>
<tr>
<td>60</td>
<td>10</td>
<td>6 99 03 01 0 0 0</td>
<td>–</td>
<td>6 99 03 02 8 0 0</td>
<td>6 99 03 03 7 0 0</td>
<td>6 99 03 04 7 0 0</td>
<td>–</td>
</tr>
<tr>
<td>80</td>
<td>10</td>
<td>6 99 03 01 4 0 0</td>
<td>–</td>
<td>6 99 03 03 0 0 0</td>
<td>6 99 03 03 8 0 0</td>
<td>6 99 03 04 9 0 0</td>
<td>–</td>
</tr>
<tr>
<td>120</td>
<td>10</td>
<td>6 99 03 01 7 0 0</td>
<td>–</td>
<td>6 99 03 03 1 0 0</td>
<td>–</td>
<td>6 99 03 05 0 0 0</td>
<td>–</td>
</tr>
<tr>
<td>220</td>
<td>10</td>
<td>6 99 03 01 7 0 0</td>
<td>–</td>
<td>6 99 03 03 1 0 0</td>
<td>–</td>
<td>6 99 03 05 0 0 0</td>
<td>–</td>
</tr>
</tbody>
</table>

### GRIT grinding material A
Heavy cotton fabric, fully bonded with artificial resins, with corundum.

<table>
<thead>
<tr>
<th>Grit</th>
<th>No. in pack</th>
<th>75 × 2000</th>
<th>75 × 2250</th>
<th>75 × 3000</th>
<th>100 × 1000</th>
<th>150 × 2000</th>
<th>150 × 2250</th>
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</thead>
<tbody>
<tr>
<td>220</td>
<td>10</td>
<td>6 99 03 01 7 0 0</td>
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<td>6 99 03 03 1 0 0</td>
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<td>–</td>
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<tr>
<td>320</td>
<td>10</td>
<td>6 99 03 01 8 0 0</td>
<td>–</td>
<td>6 99 03 03 2 0 0</td>
<td>–</td>
<td>6 99 03 05 1 0 0</td>
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<tr>
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<td>6 99 03 03 3 0 0</td>
<td>–</td>
<td>6 99 03 05 2 0 0</td>
<td>–</td>
</tr>
</tbody>
</table>

### Fleece belts for GRIT machines
Reliable for everything from covering up minor mistakes to a perfect finish. Long service lives make for cost-effective working. Suitable for GRIT GX 75, GRIT GXC, GRIT GI 75, GRIT GI 150, GRIT GIC, GRIT GIL and GRIT GILS. Also suited to wet sanding.

<table>
<thead>
<tr>
<th>Grit</th>
<th>No. in pack</th>
<th>75 × 2000</th>
<th>150 × 2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>very fine (blue)</td>
<td>3</td>
<td>6 99 03 12 1 0 1 0</td>
<td>6 99 03 12 0 1 0</td>
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<tr>
<td>medium (red)</td>
<td>3</td>
<td>6 99 03 11 9 0 1 0</td>
<td>6 99 03 11 8 0 1 0</td>
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<tr>
<td>coarse (brown)</td>
<td>3</td>
<td>6 99 03 11 7 0 1 0</td>
<td>6 99 03 11 6 0 1 0</td>
</tr>
</tbody>
</table>
**GRIT GX 75/GX 75 2H accessories**

**Stainless steel upgrade set**
Stainless steel standing supports which can be upgraded.

Order number 6 99 02 338 00 0

**Graphite coating**
As sliding base for surface grinding, 5 in pack

Order number 3 90 00 000 00 1

**Contact wheel**
Hardness, 80 shore

Order number 3 90 00 000 00 5

**Eye guard**
Acrylic glass plate for protection against flying sparks, 3 in pack

Order number 3 90 00 000 00 4

**Dust container**
For extinguishing sparks, metal lid for hose connection, plastic, handles on the sides, capacity approx. 20 l.

Order number 6 99 02 343 00 0

**Stainless steel set GX 75**

Order number 6 99 02 338 00 0

**GRIT GXR accessories**

**Stainless steel clamping jaw**
Interchangeable, for vice when machining stainless steel, 1 in pack

Order number 6 99 02 004 00 0

**Length stop**
1,000 mm long, continuously variable, easy to fit

Order number 6 99 02 001 00 0

**Contact rollers**
Easy to fit, ball bearings on both sides

Order number 6 99 02 024 00 0

**GRIT GXE accessories**

**Pipe guide GXE**
For pipes with diameter 10 mm–100 mm.

Order number 6 99 02 344 00 0

**Steel wire brush**
250 x 60 mm in diameter, with very high wire tensile strength for highly cost-effective use, mounting hole diameter 51 mm.

Order number 6 99 02 006 00 0

**Guide rail, brass**
For dry grinding and coarse material surfaces

Order number 6 99 02 009 00 0

**Guide rail, nylon**
For high surface quality

Order number 6 99 02 009 00 0

**Connecting piece**
Required to adapt the GRIT GXC module to a belt grinder in the GRIT GI range

Order number 6 99 02 187 00 0

**Pipe guide**
For pipes with diameter 10 mm–100 mm.

Order number 6 99 02 179 60 0

**GRIT GXR accessories**

**Eye guard**
Acrylic glass plate for protection against flying sparks, 3 in pack

Order number 3 90 00 000 00 7

**Water container**
Plastic, for extinguishing sparks, with handles on the sides, capacity approx. 20 l.

Order number 3 90 00 000 48 5

**Steel wire brush**
51 mm.

Order number 6 99 02 004 00 0

**Steel wire brush**
0.35 mm-thick wire for universal use. 0.5 mm-thick wire for thick-walled pipes and profiles and great deburring results.

Order number 6 99 02 006 00 0

**Connecting piece**
Required to adapt the GRIT GXR module to a belt grinder in the GRIT GI range

Order number 6 99 02 186 00 0

**Individual guide GXIS-1**
Ø 0–130 mm

Order number 6 99 02 179 60 0

**Pipe guide GXIS-2**
Ø 0–130 mm, length >1 000 mm

Order number 6 99 02 181 60 0

**Guide rail, brass**
For dry grinding and coarse material surfaces

Order number 3 90 00 000 49 6

**Guide rail, nylon**
For high surface quality

Order number 6 99 02 009 00 0

**Eye guard**
Acrylic glass plate for protection against flying sparks, 3 in pack

Order number 3 90 00 000 00 4

**Sanding system, stainless steel GXE**

Order number 6 99 02 344 00 0
**ACCESSORIES**

**GRIT GXW accessories**

Cooling lubricant emulsion
Concentrate, 10 l, mixing ratio 1:30, yields 300 l of ready-to-use cooling lubricant
Order number 6 99 02 000 00 0

**Other GRIT GX accessories**

Flexible hose
For swarf extraction, 90 mm in diameter, 1 m long, steel, high level of heat resistance
Order number 3 90 00 000 00 2

Tensioning belt
For securing the flexible hose
Order number 3 90 00 000 00 3

Dust container
For extinguishing sparks, metal lid for hose connection, plastic handles on the sides, capacity approx. 20 l
Order number 6 99 02 000 00 0

**Extractor GXS**
Order number 6 99 02 14 7

**GRIT GI 75/GI 75 2H accessories**

Graphite coating
As sliding base for surface grinding, 80 x 430 mm, 3 in pack
Order number 3 90 00 000 00 1

Contact wheel
200 x 150 mm in diameter, hardness, 80 shore
Order number 3 90 00 000 18 8

Drive wheel
With polyurethane coating for long service life, 200 x 150 mm in diameter
Order number 3 90 00 000 08 9

Mitre joint unit for preparation of welded seams GI 150 / GIS 150
Order number 6 99 02 000 15 1

Stainless steel set GI 150 / GIS 150
Order number 6 99 02 000 14 9

**GRIT GI 150/GI 150 2H accessories**

Graphite coating
As sliding base for surface grinding, 155 x 430 mm, 5 in pack
Order number 3 90 00 000 05 6

Contact wheel
200 x 150 mm in diameter, hardness, 80 shore
Order number 3 90 00 000 18 8

Drive wheel
With polyurethane coating for long service life, 200 x 150 mm in diameter
Order number 3 90 00 000 08 9

Mitre joint unit for preparation of welded seams GI 150 / GIS 150
Order number 6 99 02 000 15 1

Stainless steel set GI 150 / GIS 150
Order number 6 99 02 000 14 9

**GRIT GIR accessories**

Swivel joint GRIT GIT
For adapting working area to tight spaces, continuously variable swivel range of up to 90°.
Order number 6 99 02 176 00 0

Suction nozzle
For optimum extraction, for connection to the machine base GRIT GIBE with double extraction
Order number 6 99 02 182 00 0

**GRIT GIE accessories**

Steel wire brush
250 mm x 60 mm in diameter, with very high wire tensile strength for highly cost-effective use, mounting hole diameter 51 mm. 0.2 mm-thick wire for thin-walled pipes and profiles. 0.35 mm-thick wire for universal use. 0.5 mm-thick wire for thick-walled pipes and profiles and great deburring results.

Steel version:

<table>
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<tr>
<th>Wire thickness mm</th>
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Stainless steel version:

<table>
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<tr>
<td>0.35</td>
<td>6 99 02 010 00 0</td>
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</table>

Eye guard
Acrylic glass plate for protection against flying sparks, 3 in pack
Order number 3 90 00 000 00 7

**GRIT GIBE accessories**

Cooling lubricant emulsion
Concentrate, 10 l, mixing ratio 1:30, yields 300 l of ready-to-use cooling lubricant
Order number 6 99 02 000 15 0

Stainless steel set GI 75 / GIS 75
Order number 6 99 02 000 14 8

**GRIT GIXB accessories**

Contact rollers
Long service lives, low roll resistance thanks to high-quality ball bearings, easy to interchange

<table>
<thead>
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<th>Ø mm</th>
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<td>193.7</td>
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Eye guard
Acrylic glass plate for protection against flying sparks, 3 in pack
Order number 3 90 00 000 00 7

**GRIT GIT accessories**

Extractor GXS
Order number 6 99 02 14 7

**GRIT GIE accessories**

Stainless steel set GI 75 / GIS 75
Order number 6 99 02 000 14 8

Stainless steel set GI 150 / GIS 150
Order number 6 99 02 000 14 9
**GRIT GIC accessories**

**Individual guide GXIS-1**
- Ø 0–130 mm
- Order number 6 99 02 180 60 0

**Pipe guide GXIS-2**
- Ø 0–130 mm, length >1 000 mm
- Order number 6 99 02 181 60 0

**Pipe cleaning unit**
For a clean and dry working environment. The coolant is wiped off the pipe surface without the pipe being scratched. For pipes with a diameter of between 10 and 130 mm. Easy to fit on GIC.

**Drilling template**
For installation on belt grinders GRIT GI 75/GI 75 2H from before the 1034026 series. For producing threaded holes on these belt grinders at a later date.

**Guide rail, brass**
For dry grinding and coarse material surfaces

**Guide rail, nylon**
For high surface quality

**Cooling lubricant emulsion**
Concentrate, 10 l, mixing ratio 1:30, yields 300 l of ready-to-use cooling lubricant.

**Order number** 6 99 02 100 00 0

**Flexible hose**
For swarf extraction, 90 mm in diameter, steel, 1 m long, high level of heat resistance

**Order number** 3 90 00 004 55 4

**Dust container**
Plastic container for collecting swarf, approx. 400 x 300 x 285 mm, can also be used as a water container to extinguish sparks, capacity approx. 20 l

**Guide rail, brass**
For dry grinding and coarse material surfaces

**Guide rail, nylon**
For high surface quality

**Order number** 3 90 00 000 49 6

**Tensioning belt**
For securing the flexible hose

**Order number** 3 90 00 000 00 3

**Extractor GXS**

**Order number** 6 99 02 000 14 7
Do you have any further questions? Or would you like to test the GRIT belt grinders?
Your specialist dealer will be happy to help:

AE: FEIN Middle East FZE, Tel. 04 8861168, www.fein.ae
Asia: FEIN Power Tools Asia Limited, A1, Phone 2341-1026, www.fein.asia
IN: FEIN Power Tools India Pvt. Ltd., Phone 044-43 578 680, www.fein.in
SA: Mimar for Construction Tools & Trading Ltd., Phone 02 6686888, www.fein.ae
UK: FEIN Industrial Power Tools UK Ltd., Phone 01327 308730, www.fein-uk.co.uk