

► METAL



Professional belt grinding for trade and industry.

GRIT GX/GI



GRIT Belt Grinding Machines – one system, unlimited possibilities.

GRIT – stands for expertise and durability in the belt grinding machine segment. A modular system satisfies every requirement and the most exacting demands. GRIT belt grinding machines are noted for long service life and achieve high operating hours, whether in continuous or shift use. With powerful, three-phase motors, they hold up under extreme grinding conditions. Their robust construction withstands the heavy loading normal in professional situations.



Dependable in trade and industry.

GRIT belt grinding machines are designed for all applications: the GRIT GX series for trade use, the GRIT GI series for industry. Both series share the unique modular construction system of a high-performance, basic belt grinding machine and application-specific add-on modules, complemented, in each case, by an extensive range of special accessories. So GRIT belt grinding machines cover every conceivable application area.

GRIT GX for the workshop

Page 4



In combination with the specific add-on module, the basic belt grinding machine GRIT GX 75 2H becomes a radius or cylindrical grinding machine. Also in the series: a deburring machine.

GRIT GI for industry

Page 16



The industrial series is also modular, and is designed for both the special demands of volume production and tough special use.

GRIT accessories

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Everything that you need: from various grinding belts to contact rollers to eye protection.

GRIT GX – for workshop use.

Designed for workshop or short-run production, the GRIT GX series is impressive, above all, because of its outstanding cost effectiveness. No matter whether coarse grinding or finishing, with GRIT GX machines you'll work fast and get high-quality results. They are easy to convert from one application to another, safe in use, and feature extremely robust construction.

Your benefits:

- ▶ Short change-over times
- ▶ Useable for both coarse and fine grinding
- ▶ Maximum cost-effectiveness with fast, precise work
- ▶ Robust body to withstand the toughest applications

Belt grinding machine GRIT GX 75/GX 75 2H



Powerful belt grinder, available in a one or two speed version – the core of the modular GRIT GX series. Also useable as a full-fledged, stand-alone belt grinder.

Radius grinding module GRIT GXR



Expansion module for “radius grinding” on diverse stock such as pipe, square tube, flat material and profiles.

Cylindrical grinding module GRIT GXC



Expansion module for “cylindrical material grinding and polishing” use – from coarse grinding through surface finishing.

Deburring machine GRIT GXE



Independent complement to the GRIT GX series for deburring steel and stainless steel work pieces using wire brushes. Optional machine base available.

The system that grows to meet needs: The GRIT GX series.

Belt grinding machine GRIT GX 75/GX 75 2H

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Belt grinding machine (base unit)



GX 75 7 901 01
GX 75 2H 7 901 02

Radius grinding machine GRIT GX 75/GX 75 2H + GRIT GXR

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Radius grinding machine



Belt grinding machine (base unit)



GX 75 7 901 01
GX 75 2H 7 901 02



Radius grinding module



GXR 9 90 01 001 02 0

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

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Centerless cylindrical grinder



Belt grinding machine (base unit)



GX 75 7 901 01
GX 75 2H 7 901 02



Cylindrical grinding module



GXC 7 901 03



Cooling lubricant module



GXW 7 901 04

Deburring machine GRIT GXE + GRIT GIXS/GIXBE

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Deburring machine



Deburring machine (base unit)



GXE 7 901 05



Machine base



GIXS 9 90 01 002 02 0
GIXBE 9 90 01 009

The perfect start: Belt grinding machine GRIT GX 75/GX 75 2H.

The GRIT GX 75 and GRIT GX 75 2H form the foundation of the GRIT GX system. A high-performance belt grinding machine that you can rely on in professional use: robustly built, easy to install, and equipped with everything to make work and operation easier. The appropriate add-on modules convert your base machine into a radius or cylindrical grinding machine.

Your benefits:

- ▶ Rapid material removal
- ▶ Precise operation using the patented belt tensioning system
- ▶ Maximum cost effectiveness by saving on special machines
- ▶ Full work capability, even without add-on modules



High-performance

Maximum motor power with constant speed

Two-speed

Ideal for stainless steel processing: GRIT GX 75 2H with two speeds (1,800/3,600 rpm)

Safe

Floor anchoring and protective equipment offer maximum safety

Ergonomic

Ergonomic, field-tested design for easy operation

Convenient

With adjustable working height 30⁵/₁₆-39³/₈ in (77-100 cm) for a natural stance

Practical

Swarf container, removable without tools

Technical specifications

Model	GRIT, GX 75 and GX 75 2V	GRIT, GX 75 2H and GX 75 2H 2V
	Belt grinder with modular expansion capability, for trade use and small production runs.	The universal belt grinder with modular expansion capability for trade use. Two speeds, ideal for processing stainless steel in small production runs.
Power consumption	4 hp, (220v, 14 amps) or (575v, 5.2 amps), 3 phase	2/2.5 hp, 220v, (6.8/9.1 amps) or (575v, 2.6/3.5 amps), 3 phase
No-load speed	3,600 rpm	1,800 / 3,600 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 number	7 901 01 , GX 75, 575v 3ph 1 speed 7 901 01 1 , GX 75 2V, 220v 3ph 1 speed	7 901 02 , GX 75 2H, 575v 3ph 2spd 7 901 02 , GX 75 2H 2V, 220v 3ph 2spd

Includes: 1 grinding belt 3 × 79 in (75 × 2,000 mm), 36 grit R



Versatile



Their powerful motor makes the GRIT GX 75 belt grinding machine highly effective. This guarantees rapid material removal. The GRIT GX 75 and GRIT GX 75 2H are especially low in vibration and their patented belt tensioning system makes precise work easier.

Optimal flat material work



Grinding flat material is a basic capability of the GRIT series. A large 3x16 in (75x420 mm) grinding area is standard on both GRIT GX 75 machines, as are the height-adjustable grinding table and the easy belt alignment.

An absolutely perfect fit: Radius grinding module GRIT GXR.

Grinding precise radii on tubes is a matter of the right machine: With the easily-mounted GXR module, the GRIT GX 75 2H belt grinding base unit quickly becomes a professional radius grinding machine. Depth stop, cross slide and fast clamping are standard equipment. This makes accurate coping really simple – and much easier to handle.

Your benefits:

- ▶ Precise coping of profiles and tubes from 5/8–3 in (16–75 mm) diameter
- ▶ Accurate and convenient operation
- ▶ Less burring and heat discoloration when processing stainless steel (with GRIT GX 75 2H at the lower speed)
- ▶ Maximum flexibility from compatibility with the GRIT GI series using adapters



Technical specifications

Model	GRIT GXR
	Radius grinding module for exact-fit grinding of pipe, profiles and flat materials
Tube diameters	5/8–3 in (16 – 75 mm)
Max. dimensions of profile/flat material	3 × 3 in (75 × 75 mm)
Belt dimensions	35 × 88 ⁹ / ₁₆ in (75 × 2,250 mm)
Weight	119 lbs (54 kg)
Order number	9 90 01 001 02 0

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 35 × 88⁹/₁₆ in, grit 36 R

Radius grinding machine GRIT GX 75/GX 75 2H + GRIT GXR



Exact fit at any angle



Whether the grinding involves tubes, profiles, or solid material – the GRIT GXR radius grinding module is ideally suited to the job. A cross slide with rapid and exact angle setting, and a vise with stainless steel jaws and unique rapid-clamping feature are standard equipment. That guarantees precise, safe grinding.

Cope tubes for a perfect fit



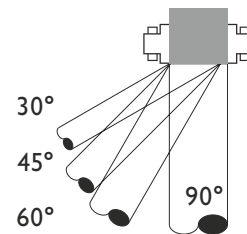
The extensive GRIT contact roller selection reliably covers all popular tube diameters. Tubes from 5/8–3 in (16–75 mm) and an approach angle of 30° to 90° can be coped to fit perfectly. Offset notches are quickly and easily accomplished.

Precise results in volume production



The optional length stop for the GRIT GXR radius grinding module ensures consistently accurate results in volume production. It is easy to retrofit and has an adjustment range of 39½ in (1,000 mm).

Fully adjustable



- For angles from 30° to 90°
- ▶ 30°/max. dia. 1½ in (37.5 mm)
 - ▶ 45°/max. dia. 2¼ in (53.0 mm)
 - ▶ 60°/max. dia. 2⅞ in (64.5 mm)
 - ▶ 90°/max. dia. 3 in (75.0 mm)

360° of perfect surface: Cylindrical grinding module GRIT GXC.

The GXC cylindrical grinding module allows for perfect surfaces on tubular material. The conversion to a "Centerless" cylindrical grinding machine is done in just a few steps. Efficiency and flexibility are apparent in the design and construction.

Your benefits:

- ▶ Cost effective grinding of tubes and shafts from 3/8–4 in (10–100 mm) diameter
- ▶ High operating speed combined with maximum surface quality
- ▶ Maximum flexibility from compatibility with the GRIT GI series using adapters
- ▶ Perfect processing using wet grinding in combination with cooling lubricant module GRIT GXW

Dependable
Interchangeable guide rails for different materials

Precise
Continuously variable speed
0-6½ ft/min (0-2m/min)

Variable
Continuously variable pressure

Expandable
Electric plug for connection of cooling lubricant module GRIT GXW

Mobile
Four steerable casters provide easy handling



Technical specifications

Model	GRIT GXC
	Cylindrical grinding module for perfect surfaces on ferrous, non-ferrous and stainless tubular materials.
Feed motor power	180 W
Feed speed	0–6.5 ft/min (0–2m/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 03, GXC

Includes: 2 guide rails nylon, 1 guide rail brass

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

<p>Centerless cylindrical grinder</p> 		<p>Belt grinding machine (base unit)</p>  <p>GX 75 7 901 01 GX 75 2H 7 901 02</p>		<p>Cylindrical grinding module</p>  <p>GXC 7 901 03</p>		<p>Cooling lubricant module</p>  <p>GXW 7 901 04</p>
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Fast, all around brilliant results



With the cylindrical grinding module GXC there is no need to compromise between perfect surface quality and high working speed. The rate of feed can be continuously adjusted to match the particular material, up to a maximum of 6½ ft (2 m) per minute.

Always on the right track



The different included guide rails are matched to the surface quality of the workpiece. The brass guide rail is designed for rough surfaces with corrosion, scale, etc. or for dry grinding. The nylon rail is the perfect choice for smooth finished surfaces and delicate materials.

Significantly better surface results



Wet grinding with the GRIT GXW cooling lubricant module provides significantly better surface results: grinding dust is immediately controlled and cooling extends the service life of the grinding belts. Reduced heat generation while grinding also lowers the risk of corrosion with stainless steel tubes. A self contained cooling system ensures economical use of cooling lubricant.

Ideal for wet grinding



The cooling lubricant module GRIT GXW guarantees optimal results and working conditions.

Technical specifications

Model	GRIT GXW
Power	120 Watts
Weight	19 lbs (8.6 kg)
Order number	7 901 04, GXW
Includes: 1 liter concentrated cooling lubricant emulsion (1:30) mix ratio	

Gives the finishing touch: Deburring machine GRIT GXE.

An outstanding complement to the GRIT GX series: The GRIT GXE deburring machine takes the final step. Extremely effective for deburring tubes, profiles and flat stock. The wide range of GRIT deburring brushes overcomes practically every deburring challenge. With or without extraction, both machine bases are ideal for the GRIT GXE deburring machine. They are easy to assemble, robustly built and extremely durable. These machine bases are also suitable for the GRIT GI series (GRIT GI 100 and GRIT GIE).

Your benefits:

- ▶ Rapid and effective deburring of pipes and profiles
- ▶ Can also be used as a polisher (with polishing wheels)
- ▶ Versatile, due to a wide range of available wire brushes

Safe

Maximum operating safety with the integrated circuit breaker and motor protection

Time saving

Tool-free adjustment of the gap between wire wheel and work-piece table

Safe

Can be mounted on a machine base or a workbench



Convenient

Height adjustable workpiece support

Clean

Integrated dust extraction port for connection to GRIT GIXBE dust extraction base or external collection system

Technical specifications

Model	GRIT GXE
	Extremely efficient deburring machine for trade use and small production runs
Power	3 hp (2.2 kw)
Speed	1,800 rpm
Max. wheel dimensions	10 × 2 ³ / ₈ in (250 × 60 mm) (wire wheel not included)
Power cord	7 ft (2 m)
Weight	71 lbs (32 kg)
Order number	7 901 05, GXE

Includes: Safety switch; low voltage breaker

Deburring machine GRIT GXE + GRIT GIXS/GIXBE

<p>Deburring machine</p> 	<p>=</p>	<p>Deburring machine (base unit)</p>  <p>GXE 7 901 05</p>	<p>+</p>	<p>Machine base</p>  <p>GIXS 9 90 01 002 02 0 GIXBE 9 90 01 009 02 0</p>
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Machine base GRIT GIXS without dust extraction



- ▶ Sturdy machine stand made of sheet steel
- ▶ Floor anchors for added stability

Machine base GRIT GIXBE with dust extraction



- ▶ Machine stand made of sheet steel
- ▶ Safe anchoring
- ▶ Highly effective double dust extraction
- ▶ Efficient air cleaning
- ▶ Spark resistant collection box for metal chips
- ▶ Flexible, heat-resistant steel extraction tubes

Technical specifications

Model	GRIT GIXS
Dimensions (L x W x H)	12 x 10½ x 30 in (304 x 356 x 769 mm)
Weight	40 lbs (18 kg)
Order number	9 90 01 002 02 0

Technical specifications

Model	GRIT GIXBE
Power	370 Watts
Max. vacuum	2.65 mbar
Dimensions (L x W x H)	12 x 23 x 27½ in (305 x 575 x 700 mm)
Weight	128 lbs (58 kg)
Order number	9 90 01 009, GIXBE





GRIT GI for industrial use.

The GRIT GI series is perfectly suited for all grinding applications, materials, and formats in the metalworking industry. A modular construction system allows the optimal machine to be assembled – even for already partly automated operations. The high quality, durability, and extremely high performance of these machines guarantees maximum efficiency and rapid payback, GRIT GI machines are extremely reliable, even in continuous operation.

Your benefits:

- ▶ Easy, convenient operation
- ▶ Long service life, even in continuous industrial use
- ▶ High-powered motors and robust construction provide excellent cost-effectiveness and operating reliability

Belt grinding machine



High-performance belt grinding machines for heavy-duty use. The basis of the modular GRIT GI series, available in one or two speed versions. Also usable as a full-fledged, stand-alone belt grinder.

Radius grinding machine



The ideal solution for perfect-fit coping of pipes, square tubes, flat materials, and profiles in the industrial field.

Cylindrical grinding machine



Economical automated cylindrical grinding of tubes – from coarse grinding to surface finishing. Perfect results and low working temperatures can be achieved when combined with the GRIT GXW cooling lubricant module.

Linear grinding machine








Unique in the marketplace, the patented flat material grinding machine GRIT GILS uses automatic feed to deliver perfect surface results – quickly and economically.

The system for efficiency and cost effectiveness: The GRIT GI machine series.

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

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<p>Belt grinding machine</p> 		<p>Belt grinding machine (base unit)</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GI 75</td> <td>7 902 01</td> </tr> <tr> <td>GI 75 2H</td> <td>7 902 02</td> </tr> <tr> <td>GI 150</td> <td>7 902 04</td> </tr> <tr> <td>GI 150 2H</td> <td>7 902 05</td> </tr> </table>	GI 75	7 902 01	GI 75 2H	7 902 02	GI 150	7 902 04	GI 150 2H	7 902 05		<p>Machine base</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GIB</td> <td>9 90 01 003 02 0</td> </tr> <tr> <td>GIBE</td> <td>9 90 01 004 02 0</td> </tr> </table>	GIB	9 90 01 003 02 0	GIBE	9 90 01 004 02 0
GI 75	7 902 01															
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GI 150	7 902 04															
GI 150 2H	7 902 05															
GIB	9 90 01 003 02 0															
GIBE	9 90 01 004 02 0															

Radius grinding machine GRIT GI 150/GI 150 2H + GRIT GIB/GIBE + GRIT GIR

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<p>Radius grinding machine</p> 		<p>Belt grinding machine (base unit)</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GI 150</td> <td>7 902 04</td> </tr> <tr> <td>GI 150 2H</td> <td>7 902 05</td> </tr> </table>	GI 150	7 902 04	GI 150 2H	7 902 05		<p>Machine base</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GIB</td> <td>9 90 01 003 02 0</td> </tr> <tr> <td>GIBE</td> <td>9 90 01 004 02 0</td> </tr> </table>	GIB	9 90 01 003 02 0	GIBE	9 90 01 004 02 0		<p>Radius grinding module</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GIR</td> <td>9 90 01 007 02 0</td> </tr> </table>	GIR	9 90 01 007 02 0
GI 150	7 902 04															
GI 150 2H	7 902 05															
GIB	9 90 01 003 02 0															
GIBE	9 90 01 004 02 0															
GIR	9 90 01 007 02 0															

Centerless grinding machine GRIT GI 75/GI 75 2H/GI 150/GI 150 2H + GRIT GIB + GRIT GIC + GRIT GXW Pages 22/23

<p>Centerless cylindrical grinder</p> 		<p>Belt grinding machine (base unit)</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GI 75</td> <td>7 902 01</td> </tr> <tr> <td>GI 75 2H</td> <td>7 902 02</td> </tr> <tr> <td>GI 150</td> <td>7 902 04</td> </tr> <tr> <td>GI 150 2H</td> <td>7 902 05</td> </tr> </table>	GI 75	7 902 01	GI 75 2H	7 902 02	GI 150	7 902 04	GI 150 2H	7 902 05		<p>Machine base</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GIB</td> <td>9 90 01 003 02 0</td> </tr> </table>	GIB	9 90 01 003 02 0		<p>Cylindrical grinding module</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GIC</td> <td>7 902 12</td> </tr> </table>	GIC	7 902 12		<p>Cooling lubricant module</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GXW</td> <td>7 901 04</td> </tr> </table>	GXW	7 901 04
GI 75	7 902 01																					
GI 75 2H	7 902 02																					
GI 150	7 902 04																					
GI 150 2H	7 902 05																					
GIB	9 90 01 003 02 0																					
GIC	7 902 12																					
GXW	7 901 04																					






Linear grinding machine GRIT GI 150/GI 150 2H + GRIT GIB/GIBE + GRIT GIL

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<p>Linear grinding machine</p> 		<p>Belt grinding machine (base unit)</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GI 150</td> <td>7 902 04</td> </tr> <tr> <td>GI 150 2H</td> <td>7 902 05</td> </tr> </table>	GI 150	7 902 04	GI 150 2H	7 902 05		<p>Machine base</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GIB</td> <td>9 90 01 003 02 0</td> </tr> <tr> <td>GIBE</td> <td>9 90 01 004 02 0</td> </tr> </table>	GIB	9 90 01 003 02 0	GIBE	9 90 01 004 02 0		<p>Linear grinding module</p>  <table border="0" style="margin-top: 10px;"> <tr> <td>GIL</td> <td>7 902 08</td> </tr> </table>	GIL	7 902 08
GI 150	7 902 04															
GI 150 2H	7 902 05															
GIB	9 90 01 003 02 0															
GIBE	9 90 01 004 02 0															
GIL	7 902 08															

Mobile grinder GRIT GI 75/GI 75 2H/GI 150/GI 150 2H + GRIT GIM

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<p>Mobile grinder</p> 		<p>Belt grinding machine (base unit)</p>  <table border="0"> <tr> <td>GI 75</td> <td>7 902 01</td> </tr> <tr> <td>GI 75 2H</td> <td>7 902 02</td> </tr> <tr> <td>GI 150</td> <td>7 902 04</td> </tr> <tr> <td>GI 150 2H</td> <td>7 902 05</td> </tr> </table>	GI 75	7 902 01	GI 75 2H	7 902 02	GI 150	7 902 04	GI 150 2H	7 902 05		<p>Mobile base</p>  <table border="0"> <tr> <td>GIM</td> <td>9 90 01 005 04 0</td> </tr> <tr> <td>GIM 2V</td> <td>9 90 01 005 02 0</td> </tr> </table>	GIM	9 90 01 005 04 0	GIM 2V	9 90 01 005 02 0
GI 75	7 902 01															
GI 75 2H	7 902 02															
GI 150	7 902 04															
GI 150 2H	7 902 05															
GIM	9 90 01 005 04 0															
GIM 2V	9 90 01 005 02 0															

Deburring machine GRIT GIE + GRIT GIXS/GIXBE

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<p>Deburring machine</p> 		<p>Deburring machine (base unit)</p>  <table border="0"> <tr> <td>GIE</td> <td>7 902 07</td> </tr> </table>	GIE	7 902 07		<p>Machine base</p>  <table border="0"> <tr> <td>GIXS</td> <td>9 90 01 002 02 0</td> </tr> <tr> <td>GIXBE</td> <td>9 90 01 009</td> </tr> </table>	GIXS	9 90 01 002 02 0	GIXBE	9 90 01 009
GIE	7 902 07									
GIXS	9 90 01 002 02 0									
GIXBE	9 90 01 009									

Belt grinding machine GRIT GI 100/GI 100 EF + GRIT GIXS/GIXBE

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<p>Belt grinding machine</p> 		<p>Belt grinding machine</p>  <table border="0"> <tr> <td>GI 100</td> <td>7 902 03</td> </tr> <tr> <td>GI 100 EF</td> <td>7 902 03</td> </tr> </table>	GI 100	7 902 03	GI 100 EF	7 902 03		<p>Machine base</p>  <table border="0"> <tr> <td>GIXS</td> <td>9 90 01 002 02 0</td> </tr> <tr> <td>GIXBE</td> <td>9 90 01 009</td> </tr> </table>	GIXS	9 90 01 002 02 0	GIXBE	9 90 01 009
GI 100	7 902 03											
GI 100 EF	7 902 03											
GIXS	9 90 01 002 02 0											
GIXBE	9 90 01 009											

Belt grinding machine GRIT GIS 75/GIS 150 Pages 32/33

Flat material grinding machine GRIT GILS Pages 34/35

Belt grinding machine



GIS 75	7 902 09 50
GIS 150	7 902 10 50

Flat material grinding machine



GILS	7 902 11
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The foundation structure for every requirement: Belt grinding machines GRIT GI 75/GI 75 2H and GRIT GI 150/GI 150 2H.

The standard equipment for industrial belt grinding: GRIT GI 75 and GRIT GI 150 belt grinding machines. Here every element is matched to rigorous professional use. An extremely high-performance motor maintains constant speed and ensures excellent cutting ability. GRIT GI belt grinding machines are available in 3 and 6 in (75 and 150 mm) belt widths as well as two speed versions.

Your benefits:

- ▶ Robust construction guarantees lasting, reliable operation – even under the toughest conditions
- ▶ Easy conversion to a radius, cylindrical, or flat material grinding machine
- ▶ Optional dust extraction connection for clean operation
- ▶ Continuous duty motors for uninterrupted service

Flexible

Access for continuous linear grinding

Variable

Available with two speeds, and two belt widths 3 and 6 in (75 mm or 150 mm)

High-performance

Constant speed with excellent cutting performance, even in continuous use



Safe

Work rest, grinding gap and individually adjustable eye protection

Ergonomic

Adjustable working height 30⁵/₁₆-39³/₈ in (77-100 cm) and workpiece support

Convenient

Low vibration, patented belt tension system.

Technical specifications

Model	GRIT GI 75	GRIT GI 75 2H	GRIT GI 150	GRIT 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	5 hp, (220v, 18.2 amps) or (440v, 9.1 amps) 3 phase	3.4/4 hp, (220v, 11.8/14.1 amps) or (440v, 5.9/7.0)3 phase	5 hp, (220v, 18.2 amps) or (440v, 9.1 amps) 3 phase	3.4/4 hp, (220v, 11.8/14.1 amps) or (440v, 5.9/7.0) 3 phase
No-load speed	3,600 rpm	1,800/3,600	3,600 rpm	1,800/3,600
Belt dimensions	3 × 79 in (75 × 2,000 mm)		6 × 79 in (150 × 2,000 mm)	
Belt speed	49 ft/sec (30m/sec)	49/98 ft/sec (15/30 m/sec)	49 ft/sec (30m/sec)	49/98 ft/sec (15/30 m/sec)
Weight	143 lbs (65 kg)		181 lbs (82 kg)	
Order number	7 902 01 , GI 75, 575v 3ph 1spd 7 902 01 , GI 75 2V, 220v, 3ph 1spd	7 902 02 , GI 75 2H, 575v 3ph 2spd 7 902 02 , GI 75, 2H 2V, 220v 3ph 2spd	7 902 04 , GI 75 2H, 440v 575v 3ph 2spd 7 902 04 , GI 75 2H 2V, 220v 3ph 2spd	7 902 05 , GI 150 2H, 575v 3ph 2spd 7 902 05 , GI 150 2H 2V, 220v 3ph 2spd
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	

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



Machine base without dust extraction system GRIT GIB



- ▶ Comfortable working height effortlessly adjustable by means of gas-filled struts
- ▶ Robust construction provides excellent stability

Machine base with dust extraction system GRIT GIBE



- ▶ Working height easily adjustable by means of gas-filled struts
- ▶ Robust construction provides excellent stability
- ▶ Cartridge filter for effective air cleaning
- ▶ Flexible, heat-resistant steel extraction pipes

Technical specifications

Model	GRIT GIB
Weight	37.5 lbs (17 kg)
Order number	9 90 01 003 02 0

Technical specifications

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



Volume production radius grinding: Radius grinding module GRIT GIR.

Accurate and fast: The GRIT GIR radius grinding module is perfectly matched to industrial use. The high cutting performance guarantees efficient work – and with a belt width of 6 in (150 mm), it is ideal for larger diameter workpieces.

Your benefits:

- ▶ Exact-fit grinding of pipe up to 6 in (150 mm) max. dia.
- ▶ Less burring and heat discoloration when processing stainless steel (with GRIT GI 150 2H at the lower speed)

Flexible

With adjustable eye protection

Time saving

Tool-free clamping of work pieces. The GRIT GIR easily adjusts for offset copes

Precise

Integrated depth stop for production work

Practical

Rack for contact roller storage

Safe

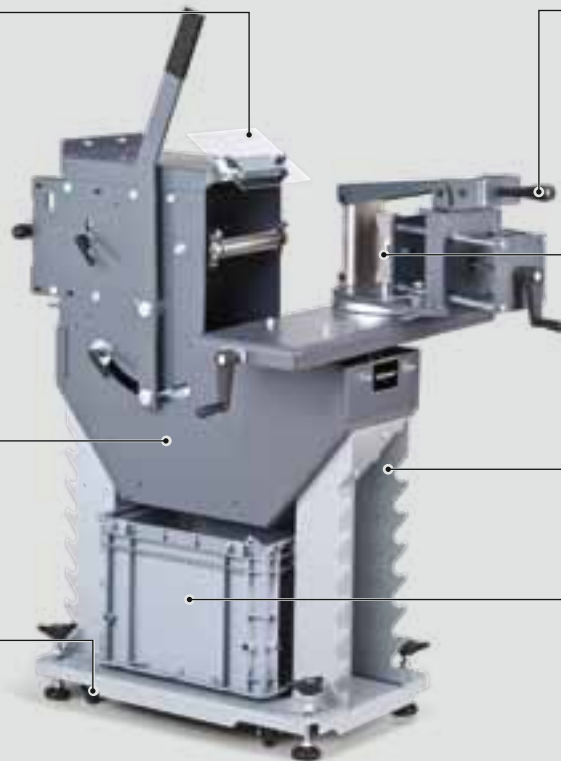
A water-filled dust container assures safe quenching of hot chips and sparks

Clean

Connection option for integrated dust extraction using the GRIT GIBE and adapter

Mobile

Four steerable casters provide easy handling



Technical specifications

Model	GRIT GIR
	Radius grinding module for exact-fit grinding of pipe, profiles and flat materials in production work, even with extra-wide sections
Tube diameters	3/4–6 in (20–150 mm)
Max. dimensions of profile/flat material	4.5–6 in (120×150)
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	240 lbs (109 kg)
Order number	9 90 01 007, GIR
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 grinding machine GRIT GI 75/GI 75 2H/GI 150/GI 150 2H + GRIT GIB/GIBE + GRIT GIR

Radius grinding machine



Belt grinding machine (base unit)



GI 150 7 902 04
GI 150 2H 7 902 05



Machine base



GIB 9 90 01 003 02 0
GIBE 9 90 01 004



Radius grinding module



GIR 9 90 01 007

Robust and powerful



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

Exceptionally convenient



The rapid clamping vise system makes workpiece changes easy and uncomplicated. Electrolysis corrosion of stainless steel is avoided by using the included stainless steel vise jaws. The extraction collector (Order No. 6 99 02 182 00 0) is required for efficient extraction.

Extremely flexible

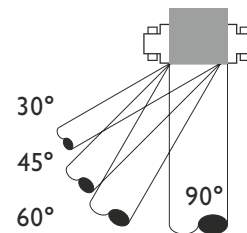


GRIT has developed a special mitre plate to ensure that everything fits when grinding mitres. Easy installation makes it unique in the marketplace. The mitre grinding plate is available as an option. (Order number 6 99 02 175 00 0)

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 performance in cylindrical grinding: GRIT GIC.

The unique module for industrial production cylindrical grinding. Easy, fast, and tool-free mounting on the base machine (suitable for GRIT GI 75, GRIT GI 75 2H, GRIT GI 150, GRIT GI 150 2H). The GRIT GIC handles all “centerless grinding” tasks. Finish grinding of straight tubes and cylindrical stock, pre-grinding for chrome plating and polishing, as well as pipe grinding all the way to perfect surface finishes. It achieves maximum surface quality and can be adjusted for different pipe dimensions. Ideal for applications in railing fabrication and plant construction.

Your benefits:

- ▶ Short change-over time
- ▶ High surface quality
- ▶ Flexible processing of pipe from 3/8 to 5 in (10 to 130 mm) diameter
- ▶ Low in vibration and noise
- ▶ Minimal dust when using optional wet grinding
- ▶ Robust welded construction

High-performance

Continuous duty, three-phase motor designed for uninterrupted service

Efficient

Quick-release attachment for easy, tool-free changes



Flexible

Continuously variable feeder speed 0-6 1/2 ft/min (0-2 m/min) for perfect surfaces

Optional

Cooling lubricant module for wet grinding results in cool surfaces, a dust-free environment, and extended service

Convenient

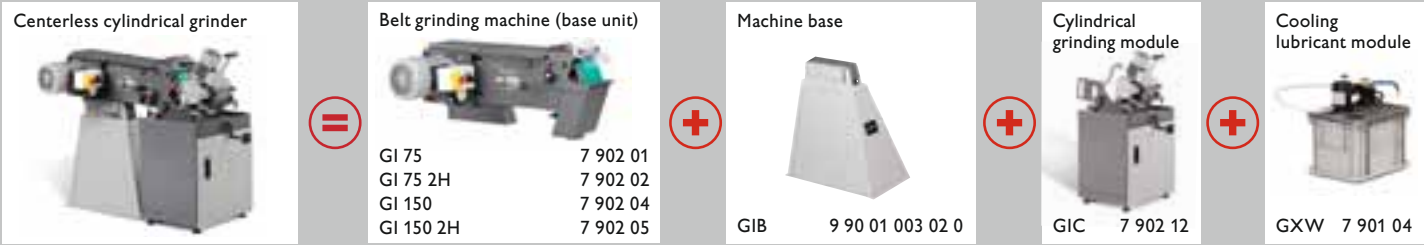
Casters provide maximum mobility

Technical specifications

Model	GRIT GIC
	Cylindrical grinding module for industrial volume production
Power	0.24 hp (180 w)
Tube diameters	3/8 - 5 in (10 - 130 mm)
Tube length	12 in - 20 ft (300 - 6,000 mm)
Continuous feed	0-6.5 ft/min (0-2 m/min)
Belt dimensions	3/6 in (75/150 mm) x 79 in (2,000 mm)
Weight	143 lbs (65 kg)
Order number	7 902 12, GIC

Includes: 2 guide rails nylon, 1 guide rail brass

Centerless grinding machine GRIT GI 75/GI 75 2H/GI 150/GI 150 2H + GRIT GIB/GIBE + GRIT GIC + GRIT GXW



Optimal efficiency



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.

Easy assembly



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

Flawless work results



The best work results are achieved with wet grinding. Effective cooling with the cooling lubricant module GRIT GXW significantly reduces the processing temperature at the workpiece. This is particularly valuable when processing stainless steel. Overheating is prevented, risk of corrosion is avoided. Using the optionally available water jet system, grinding dust and excess water are cleared from the processed workpiece.

For accurate processing



Widely varied pipe diameters with lengths up to 20 ft (6 m) can easily be processed using the optionally available pipe guide.

Completely automatic flat material grinding: Flat material grinding module GRIT GIL.

Indispensable for machine and railing construction as well as welded fabrication: the GRIT GIL flat material grinding module for longitudinal grinding is the only machine on the market with automatic feed. The GRIT GIL 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 tubular or flat workpieces on edge
- ▶ Space saving with optional swivel joint



Constant

For consistent feed rates producing exceptional surface results

Flexible

Adjustment of the workpiece width using movable stops

Convenient

Practically vibration free

Practical

Control for exact grinding belt tracking

Precise

Exact positioning of the brake disc

Adjustable

Continuously variable pressure from the brake wheel

Variable

The contact wheel allows standard grinding

Technical specifications

Model	GRIT GIL
	Flat grinding module for perfect automated longitudinal grinding of square tube, sections and flat materials
Feed motor power	0.24 hp (180 w)
Max. dimensions of profile/flat material	4 x 4 in (100 x 100 mm)
Min.-Max. Length profiles/flat material	12-79 in (300-2,000 mm)
Max. weight profiles/flat material	20 lbs (9 kg)
Belt dimensions	6 x 79 in (150 x 2,000 mm)
Weight	141 lbs (64 kg)
Order number	7 902 08, GIL

Linear grinding machine GRIT GI 150/GI 150 2H + GRIT GIB/GIBE + GRIT GIL

Linear grinding machine



Belt grinding machine (base unit)



GI 150	7 902 04
GI 150 2H	7 902 05



Machine base



GIB	9 90 01 003 02 0
GIBE	9 90 01 004



Linear grinding module



GIL	7 902 08
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Flat material grinding made really easy



Linear grinding of square and flat materials or profiles is incredibly easy with the unique GRIT GIL grinding module as well as conversion from belt to surface grinding. The GIL module accommodates standard size belts on the basic grinder and is patent pending.

Great performance, small footprint



The GRIT GIT swivel joint (optional, Order number 69902 176 000) and the modular concept allows you to get maximum use from the GRIT GIL module, even in a limited space. The work area can easily be tailored to the available space. The continuous swivel range is 0° – 90°.

Makes belt grinding mobile: The GRIT GIM carriage.

The GRIT GIM 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 GIM carriage eliminates time consuming hand work and operator fatigue.

- Your benefits:**
- ▶ Highly efficient grinding or finishing of weld seams at floor level
 - ▶ Easy grinding of steel forms for precast concrete
 - ▶ Fatigue free work with a comfortable posture

Precise

Alignment of the contact wheel to the workpiece surface

Flexible

Adjustable wheelbase for cramped working conditions

Accurate

Adjustable depth stop for accurate grinding



Safe

Emergency switch within reach on the drawbar

Convenient

Continuously variable drawbar length

Technical specifications

Model	GRIT GIM
	Mobile carriage for extremely effective belt grinding work at floor level on site
Belt dimensions	3/6 x 79 in (75/150 x 2,000 mm)
Weight	77 lbs (35 kg)
Order number	9 90 01 005 00 0, GIM, Carriage only

Mobile grinder GRIT GI 75/GI 75 2H/GI 150/GI 150 2H + GRIT GIM

Mobile grinder



Belt grinding machine (base unit)



GI 75	7 902 01
GI 75 2H	7 902 02
GI 150	7 902 04
GI 150 2H	7 902 05



Carriage only



GIM 9 90 01 005 00 0

Comfortable working



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

Unrivalled removal rate



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

Deburring under industrial conditions: Deburring machine GRIT GIE.

Steel, nonferrous metal, and stainless steel workpieces can be quickly and efficiently deburred with the GRIT GIE deburring machine. The robust construction and high-performance drive make this machine ideal for industrial use. Whether bench-mounted or with the optional stand, it fits perfectly, even in tight conditions.

Your benefits:

- ▶ Efficient deburring with wire wheels and popular polishing equipment
- ▶ Can be mounted on the machine base or on the workbench
- ▶ With two speeds for optimal speed selection
- ▶ Integrated extraction in combination with machine base GRIT GIXBE through an external extraction system

Safe

Emergency switch

Safe

Adjustable eye protection

Variable

Choice of 2 speeds for efficient deburring



Safe

Can be mounted on a machine base or a workbench

Time saving

Tool-free adjustment of the gap between wire wheel and work-piece table

Technical specifications

Model	GRIT GIE
	Extremely effective deburring machine for industrial volume deburring of extra-wide workpieces
Power	2/2.7 hp (1.5/2.0 kW)
Speed	1,800/3,600 rpm
Maximum wheel diameter	10 in (250 mm)
Wheel size (uses two)	10 × 2¼ in (2 × 60 mm) (wire wheel not included with GIE)
Weight	75 lbs (34 kg)
Order number	7 902 07, GIE

Deburring machine GRIT GIE + GRIT GIXS/GIXBE

Deburring machine



Deburring machine (base unit)



GIE

7 902 07



Machine base

GIXS
GIXBE9 90 01 002 00 0
9 90 01 009

Rapid and effective deburring of pipes and profiles



Ideal for coped pipes and profiles with cross sections up to 6 in (150 mm). Extra wide wire area using 2 wire wheels mounted as a set.

A wide variety of wire wheels



The selection of wire wheels is determined by the wire size, material, and wall thickness

Machine base GRIT GIXS without dust extraction



- ▶ Sturdy machine stand made of sheet steel
- ▶ Floor anchors for added stability

Machine base GRIT GIXBE with dust extraction



- ▶ Machine stand made of sheet steel
- ▶ Safe anchoring
- ▶ Highly effective double dust extraction
- ▶ Efficient air cleaning
- ▶ Spark resistant collection box for metal chips
- ▶ Flexible, heat-resistant steel extraction pipes

Technical specifications

Model	GRIT GIXS
Dimensions (L×W×H)	12 x 10½ x 30 in (304 x 356 x 769 mm)
Weight	39.5 lbs (18 kg)
Order number	9 90 01 002 02 0

Technical specifications

Model	GRIT GIXBE
Power	370 Watts
Max. vacuum	2.65 mbar
Dimensions (L×W×H)	12 x 23 x 27½ in (305 x 575 x 700 mm)
Weight	128 lbs (58 kg)
Order number	9 90 01 009

Compact professional belt grinding machine: Belt grinding machine GRIT GI 100/GI 100 EF.

Maximum performance with minimum size: the belt grinding machine GRIT GI 100 is the compact machine for material removal and deburring small parts. Limited size makes this robust, compact belt grinder the perfect alternative in tight spaces.

- Your benefits:**
- ▶ Go-anywhere belt grinding machine with outstanding performance specifications
 - ▶ Perfect for use in the processing of small parts
 - ▶ It can be installed on a bench or a machine base, with or without integrated dust extraction (see Page 31)

Safe

Stop, grinding slot, and individually adjustable eye protection

Flexible

Convertible to linear grinding



Variable

Capable of installation on a machine base or workbench

Convenient

Convenient operation: low vibration, patented belt tension system

Clean


Ready for connection to integrated extraction in combination with GRIT GIXBE or an external extraction equipment

Technical specifications

Model	GRIT GI 100	GRIT GI 100 EF
	Compact belt grinder for versatile use with smaller workpieces	
Power	0.5 hp (1.5 kw)	
No-load speed	3,450 rpm	
Circumferential speed	98 ft (30 m) / sec	
Belt dimensions	4 x 39½ in (100 x 1,000 mm)	
Weight	62 lbs (28 kg)	
Order number	7 902 03, GI 100, 3ph	7 902 03, GI 100 EF, 220v single phase

Includes: 1 grinding belt 100x1,000 mm, grit 60 Z

Belt grinding machine GRIT GI 100/GI 100 EF + GRIT GIXS/GIXBE

<p>Belt grinding machine</p> 		<p>Belt grinding machine (base unit)</p>  <p>GI 100 7 902 03 GI 100 EF 7 902 03</p>		<p>Machine base</p>  <p>GIXS 9 90 01 002 02 0 GIXBE 9 90 01 009</p>
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Uses a small particle filter for clean air



Ideal for grinding, beveling, and deburring of small parts. When combined with the machine base GRIT GIXBE, grinding dust is extracted through a fine particle filter.

Machine base GRIT GIXS without dust extraction



- ▶ Sturdy machine stand made of sheet steel
- ▶ Floor anchors for added stability

Machine base GRIT GIXBE with dust extraction



- ▶ Machine stand made of sheet steel
- ▶ Safe anchoring
- ▶ Highly effective double dust extraction
- ▶ Efficient air cleaning
- ▶ Spark resistant collection box for metal chips
- ▶ Flexible, heat-resistant steel extraction pipes

Technical specifications

Model	GRIT GIXS
Dimensions (L×W×H)	12 × 10½ × 80 in (304 × 356 × 769 mm)
Weight	lbs (18 kg)
Order number	9 90 01 002 02 0

Technical specifications

Model	GRIT GIXBE
Power	370 Watts
Max. vacuum	2.65 mbar
Dimensions (L×W×H)	12 × 23 × 27½ in (305 × 575 × 700 mm)
Weight	128 lbs (58 kg)
Order number	9 90 01 009

Aimed at one application: The belt grinding machines GRIT GIS 75

The belt grinding machine GRIT GIS 75 is the correct choice for belt grinding work under extreme conditions, e.g. in heavy duty situations: robust motor, easy operation, first-class product and work quality. Beyond that, the machines impress with their easy setup and numerous features, which are directed at everyday belt grinding. All this with an outstanding price-performance relationship!

Your benefits:

- ▶ A machine concept geared exclusively to high-performance belt grinding
- ▶ Numerous safety features provide excellent work safety (CE label)
- ▶ Setup does not require an electrician



Smooth running

Urethane-coated drive wheel for low vibration and quiet operation

Easy access

Height-adjustable, flat material grinding table

High-performance

Continuous duty, 5 hp (4 kw) three phase motor designed for uninterrupted service

Effective

Contact wheel with spiral slots for significantly higher removal rate

Convenient

Working height, chip container, grinding gap and eye protection all feature tool-free adjustment

Robust

Welded machine construction for demanding use

Smart

Patented automatic belt tension with gas-filled strut

Technical specifications

Model	GRIT GIS 75
	High-performance grinder for standard grinding applications in metal processing
Power	5 hp (4 kw)
Speed	98 ft (30 m) / sec
Speed	3,600 rpm
Belt dimensions	3 × 79 in (75 × 2,000 mm)
Weight	163 lbs (74 kg)
Order number	7 902 09, GIS 75 3ph
Includes: 1 grinding belt, grit 36 R	



Flat material grinding



Surface material removal takes place after opening or completely removing the upper cover of the height-adjustable surface grinding table. The graphite pad between the grinding belt and the platen serves as a perfect friction reducer, thereby protecting the grinding belt.

Material removal grinding



The perfect solution when standard belt-grinding applications are involved. The powerful continuous duty three phase motor combined with the special slotted GRIT contact wheel and the GRIT high performance grinding belts ensure superb work progress and perfect-quality work, even in continuous operation.

Belt tension



The gas-filled spring tension automatically compensates for variations in belt dimensions. Combined with a urethane-coated drive wheel, this produces ideal belt tension – without slippage.

GRIT Grinding media



Only a high quality grinding belt can achieve a professional metal removal rate. That is why GRIT grinding belts have always been a permanent element of the GRIT Premium Concept. They provide lasting peak performance in metal removal and service life. That makes GRIT grinding belts extremely economical in use.

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

Completely assembled linear grinding machine. Indispensable for surface preparation and finishing on flat surfaces and edge grinding. The GRIT 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

Constant

For consistent feed rates producing exceptional surface results

Flexible

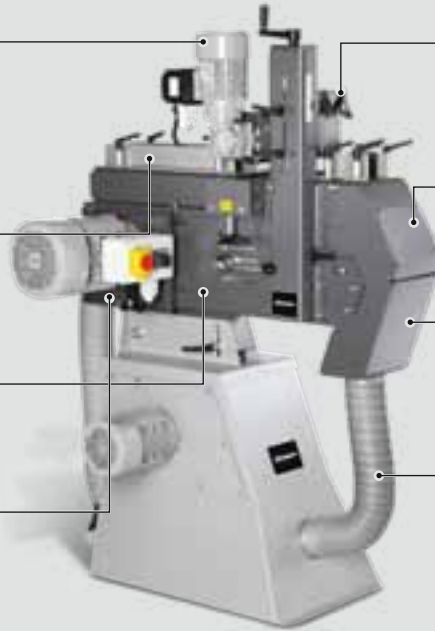
Adjustment of the workpiece width using movable stops

Convenient

Practically vibration free

Grinding belt adjustment

For exact tracking of the grinding belt



Precise

Exact positioning of the brake disc

Adjustable

Continuously variable pressure from the brake wheel

Variable

The contact wheel allows standard grinding

Dust Extraction

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

Technical specifications

Model	GRIT GILS
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	3.4/4 hp, (11.8/14.1 amps)
No load speed	1,800–3,600 rpm
Feed motor power	0.24 hp (180w), 0.8 amps
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	454 lbs (206 kg)
Order number	7 902 11, GILS 2V, 220v 3 ph

Includes: 1 grinding belt 6 × 79 in (150 × 2,000 mm), 36 grit R



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.

Only the best: Original GRIT grinding belts.

The high quality demanded of GRIT machines is also reflected in the grinding belts. FEIN places great importance on premium quality grinding belts - for maximum removal capability and outstanding service life in metal processing. That makes GRIT grinding belts extremely economical in use. Use of the finest raw materials and our own packaging ensures an optimal price/performance ratio.



GRIT grinding media R



Extra heavy polyester fabric, full resin bond with zirconium aluminum oxide. Additional top layer for cooling during the grinding process.

Grit	Pack	3 × 79 in (75 × 2,000 mm)	3 × 88 ⁹ / ₁₆ in (75 × 2,250 mm)	3 × 118 in (75 × 3,000 mm)	4 × 39 ¹ / ₂ in (100 × 1,000 mm)	6 × 79 in (150 × 2,000 mm)	6 × 88 ⁹ / ₁₆ in (150 × 2,250 mm)
24	10	6 99 03 000 00 0	-	-	-	6 99 03 039 00 0	-
36	10	6 99 03 002 00 0	6 99 03 020 00 0	-	-	6 99 03 040 00 0	6 99 03 053 00 0
40	10	6 99 03 004 00 0	-	-	-	6 99 03 042 00 0	-
60	10	6 99 03 007 00 0	-	6 99 03 025 00 0	-	6 99 03 044 00 0	-
80	10	6 99 03 009 00 0	-	6 99 03 027 00 0	-	6 99 03 046 00 0	-
120	10	6 99 03 013 00 0	-	6 99 03 029 00 0	-	6 99 03 048 00 0	-

GRIT grinding media Z



Heavy polyester fabric, full resin bond with zirconium aluminum oxide.

Grit	Pack	3 × 79 in (75 × 2,000 mm)	3 × 88 ⁹ / ₁₆ in (75 × 2,250 mm)	3 × 118 in (75 × 3,000 mm)	4 × 39 ¹ / ₂ in (100 × 1,000 mm)	6 × 79 in (150 × 2,000 mm)	6 × 88 ⁹ / ₁₆ in (150 × 2,250 mm)
24	10	-	-	-	-	-	-
36	10	6 99 03 003 00 0	6 99 03 021 00 0	-	6 99 03 034 00 0	6 99 03 041 00 0	6 99 03 054 00 0
40	10	6 99 03 005 00 0	-	-	6 99 03 035 00 0	6 99 03 043 00 0	-
60	10	6 99 03 008 00 0	-	6 99 03 026 00 0	6 99 03 036 00 0	6 99 03 045 00 0	-
80	10	6 99 03 010 00 0	-	6 99 03 028 00 0	6 99 03 037 00 0	6 99 03 047 00 0	-
120	10	6 99 03 014 00 0	-	6 99 03 030 00 0	6 99 03 038 00 0	6 99 03 049 00 0	-

GRIT grinding media A



Heavy cotton fabric, full resin bond with corundum.

Grit	Pack	3 × 79 in (75 × 2,000 mm)	3 × 88 ⁹ / ₁₆ in (75 × 2,250 mm)	3 × 118 in (75 × 3,000 mm)	4 × 39 ¹ / ₂ in (100 × 1,000 mm)	6 × 79 in (150 × 2,000 mm)	6 × 88 ⁹ / ₁₆ in (150 × 2,250 mm)
220	10	6 99 03 017 00 0	-	6 99 03 031 00 0	-	6 99 03 050 00 0	-
320	10	6 99 03 018 00 0	-	6 99 03 032 00 0	-	6 99 03 051 00 0	-
400	10	6 99 03 019 00 0	-	6 99 03 033 00 0	-	6 99 03 052 00 0	-

Fleece belts for GRIT machines



Reliable for elimination of minor defects through to perfect finishes. Long service life ensures cost-effective work. Suitable for GRIT GX 75, GRIT GXC, GRIT GI 75, GRIT GI 150, GRIT GIC, GRIT GIL and GRIT GILS. Also suitable for wet grinding.

Grit	Pack	3 × 79 in (75 × 2,000 mm)	6 × 79 in (150 × 2,000 mm)
very fine (blue)	3	6 99 03 121 01 0	6 99 03 120 01 0
medium (red)	3	6 99 03 119 01 0	6 99 03 118 01 0
coarse (brown)	3	6 99 03 117 01 0	6 99 03 116 01 0

Accessories GRIT GX 75/GX 75 2H

Graphite pad

a friction reducer for flat material grinding, 5 pack

Order number 3 90 00 000 00 1

Contact wheel

Shore hardness 80

Order number 3 90 00 000 00 5

Eye protection

acrylic plate for protection from sparks, 3 pack



Order number 3 90 00 000 00 4

Accessories GRIT GXR

Stainless steel vice jaws

interchangeable, for vise installation when processing stainless steel, 1 pack



Order number 6 99 02 004 00 0

Length stop

length 39½ in (1,000 mm), continuously adjustable, easy assembly



Order number 6 99 02 001 00 0

Contact rollers

easy assembly, ball bearings at both ends



Ø mm	Order number
16.0	6 99 02 020 00 0
17.0	6 99 02 021 00 0
17.2	6 99 02 022 00 0
18.0	6 99 02 023 00 0
19.0	6 99 02 024 00 0
20.0	6 99 02 025 00 0
21.0	6 99 02 026 00 0
21.3	6 99 02 027 00 0
22.0	6 99 02 028 00 0
22.2	6 99 02 029 00 0
22.5	6 99 02 030 00 0
23.0	6 99 02 031 00 0
23.1	6 99 02 032 00 0
24.0	6 99 02 033 00 0
24.5	6 99 02 034 00 0

Ø mm	Order number
25.0	6 99 02 035 00 0
25.4	6 99 02 036 00 0
25.9	6 99 02 037 00 0
26.0	6 99 02 038 00 0
26.4	6 99 02 039 00 0
26.9	6 99 02 040 00 0
27.0	6 99 02 041 00 0
28.0	6 99 02 042 00 0
28.6	6 99 02 043 00 0
28.8	6 99 02 044 00 0
29.0	6 99 02 045 00 0
30.0	6 99 02 046 00 0
31.7	6 99 02 047 00 0
32.0	6 99 02 048 00 0
33.0	6 99 02 049 00 0
33.7	6 99 02 050 00 0
34.0	6 99 02 051 00 0
35.0	6 99 02 052 00 0
36.0	6 99 02 053 00 0
37.5	6 99 02 054 00 0
38.0	6 99 02 055 00 0
38.1	6 99 02 056 00 0
38.3	6 99 02 057 00 0
40.0	6 99 02 058 00 0
41.0	6 99 02 059 00 0
41.2	6 99 02 060 00 0
42.0	6 99 02 061 00 0
42.4	6 99 02 062 00 0
42.6	6 99 02 063 00 0
43.0	6 99 02 064 00 0
43.3	6 99 02 065 00 0
44.0	6 99 02 066 00 0
44.5	6 99 02 067 00 0
45.0	6 99 02 068 00 0
46.0	6 99 02 069 00 0
48.0	6 99 02 070 00 0
48.3	6 99 02 071 00 0
49.0	6 99 02 072 00 0
50.0	6 99 02 073 00 0
50.8	6 99 02 074 00 0
51.0	6 99 02 075 00 0
53.0	6 99 02 076 00 0
53.7	6 99 02 077 00 0
54.0	6 99 02 078 00 0
55.0	6 99 02 079 00 0
57.0	6 99 02 080 00 0
58.0	6 99 02 081 00 0
59.0	6 99 02 082 00 0
60.0	6 99 02 083 00 0
60.3	6 99 02 084 00 0
63.0	6 99 02 085 00 0
63.5	6 99 02 086 00 0
65.0	6 99 02 087 00 0
67.0	6 99 02 088 00 0
69.0	6 99 02 089 00 0
70.0	6 99 02 090 00 0
73.0	6 99 02 091 00 0
75.0	6 99 02 092 00 0
76.0	6 99 02 093 00 0
76.1	6 99 02 094 00 0
76.2	6 99 02 095 00 0
80.0	6 99 02 096 00 0
82.5	6 99 02 097 00 0
88.9	6 99 02 098 00 0
90.0	6 99 02 099 00 0

Accessories GRIT GXR

Eye protection

acrylic plate for protection from sparks, 3 pack



Order number 3 90 00 000 00 7

Water container

plastic, for extinguishing sparks, with handles at the sides, capacity approx. 5.2 gal (20 l)



Order number 6 99 02 000 00 0

Connection piece

required to adapt the GRIT GXR module to a belt grinding machine in the GRIT GI series

Order number 6 99 02 186 00 0

Accessories GRIT GXC

Guide rail, brass

for dry grinding and rough material surfaces



Order number 3 90 00 000 49 6

Guide rail, nylon

for high surface quality



Order number 3 90 00 000 49 7

Connection piece

required to adapt the GRIT GXC module to a belt grinding machine in the GRIT GI series

Order number 6 99 02 187 00 0

Accessories GRIT GXE

Wire wheels

10" × 2³⁄₈" (250 × 60 mm) dia., with very high wire strength for especially efficient use, mounting hole 2" (51 mm) dia.

33 wire gauge for thin-walled pipes and profiles. 29 wire gauge for thick-walled pipes and profiles.

Steel:



Wire thickness	Order number
33 gauge (0.20 mm)	6 99 02 006 00 0
29 gauge (0.35 mm)	6 99 02 007 00 0
25 gauge (0.50 mm)	6 99 02 008 00 0

Stainless steel:



Wire thickness	Order number
33 gauge (0.20 mm)	6 99 02 009 00 0
29 gauge (0.35 mm)	6 99 02 010 00 0

Eye protection

acrylic plate for protection from sparks, 3 pack



Order number 3 90 00 000 00 4

Accessories GRIT GXW

Cooling lubricant emulsion

Concentrated, 2.6 gal (10 l), mix ratio 1:30, makes 79 gal (300 l) ready coolant.

Order number 6 99 02 100 00 0

ACCESSORIES

Additional accessories GRIT GX

Flexible hose

for chip removal, 3³/₁₆ in (90 mm) dia., 3.3 ft (1 m) long, steel, highly heat resistant



Order number 3 90 00 000 00 2

Hose clamp

for flexible hose attachment

Order number 3 90 00 000 00 3

Water container

plastic, for extinguishing sparks, with handles at the sides, capacity approx. 5.2 gal (20 l)



Order number 6 99 02 000 00 0

Accessories GRIT GI 75/GI 75 2H

Graphite pad

a friction reducer for flat material grinding, 3¹/₈ × 16 in (80 × 430 mm), 5 pack

Order number 3 90 00 000 00 1

Contact wheel

Ø 8 × 3 in (200 × 75 mm), Shore hardness 80

Order number 3 90 00 000 00 5

Contact wheel

Ø 8 × 2 in (200 × 50 mm), Shore hardness 90

Order number 6 99 02 341 00 0

Drive wheel

with urethane coating for long service life, Ø 8 × 3 in (200 × 75 mm)

Order number 3 90 00 000 00 6

Eye protection

acrylic plate for protection from sparks, 3 pack



Order number 3 90 00 000 00 7

Accessories GRIT GI 150/GI 150 2H

Graphite pad

a friction reducer for flat material grinding, 3 1/8 × 17 in (155 × 430 mm), 3 back

Order number 3 90 00 000 00 6

Contact wheel

Ø 8 × 6 in (200 × 150 mm), Shore hardness 80

Order number 3 90 00 000 18 8

Drive wheel

with urethane coating for long service life, Ø 8 × 6 in (200 × 150 mm)

Order number 3 90 00 000 08 9

Accessories GRIT GI 150/GI 150 2H

Eye protection

acrylic plate for protection from sparks, 3 pack



Order number 3 90 00 000 18 4

Accessories GRIT GIL

Swivel joint GRIT GIT

for adaptation to the work area under tight space conditions, continuously variable pivot range up to 90°.

Order number 6 99 02 176 00 0

Accessories GRIT GIR

Contact rollers

long service life, low rolling resistance due to high-quality ball bearings, easily exchanged



Ø mm	Order number
20.0	6 99 02 101 00 0
21.0	6 99 02 193 00 0
22.0	6 99 02 102 00 0
25.0	6 99 02 103 00 0
25.4	6 99 02 104 00 0
26.9	6 99 02 105 00 0
28.0	6 99 02 106 00 0
30.0	6 99 02 107 00 0
32.0	6 99 02 108 00 0
33.7	6 99 02 109 00 0
35.0	6 99 02 110 00 0
38.0	6 99 02 111 00 0
38.1	6 99 02 112 00 0
38.3	6 99 02 113 00 0
40.0	6 99 02 114 00 0
42.4	6 99 02 115 00 0
44.5	6 99 02 116 00 0
48.3	6 99 02 117 00 0
50.0	6 99 02 118 00 0
50.8	6 99 02 119 00 0
60.0	6 99 02 120 00 0

Ø mm	Order number
60.3	6 99 02 121 00 0
63.5	6 99 02 122 00 0
69.0	6 99 02 123 00 0
73.0	6 99 02 245 00 0
76.1	6 99 02 124 00 0
76.2	6 99 02 125 00 0
84.0	6 99 02 126 00 0
88.9	6 99 02 127 00 0
101.6	6 99 02 128 00 0
104.0	6 99 02 129 00 0
108.0	6 99 02 130 00 0
114.3	6 99 02 131 00 0
127.0	6 99 02 292 00 0
133.0	6 99 02 132 00 0
139.7	6 99 02 133 00 0
152.4	6 99 02 155 00 0
168.3	6 99 02 134 00 0
193.7	6 99 02 135 00 0

Eye protection

acrylic plate for protection from sparks, 3 pack



Order number 3 90 00 000 18 4

Mitre grinding plate GIG

for mitre grinding of pipes and profiles

Order number 6 99 02 175 00 0

Extraction collector

for perfect extraction, mounts to machine base GRIT GIBE with double extraction



Order number 6 99 02 182 00 0

Accessories GRIT GIE

Wire wheels

10" × 2³/₈" (250 × 60 mm) dia., with very high wire strength for especially efficient use, mounting hole 2" (51 mm) dia.

33 wire gauge for thin-walled pipes and profiles. 29 wire gauge for thick-walled pipes and profiles.

Steel:



Wire thickness	Order number
33 gauge (0.20 mm)	6 99 02 006 00 0
29 gauge (0.35 mm)	6 99 02 007 00 0
25 gauge (0.50 mm)	6 99 02 008 00 0

Stainless steel:



Wire thickness	Order number
33 gauge (0.20 mm)	6 99 02 009 00 0
29 gauge (0.35 mm)	6 99 02 010 00 0

Eye protection

acrylic plate for protection from sparks, 3 pack



Order number 3 90 00 000 00 7

Accessories GRIT GI

Filter cartridge

fits GRIT GIBE

Order number 3 90 00 000 97 6

Filter cartridge

fits GRIT GIXBE

Order number 3 90 00 001 00 5

Accessories GRIT GIC

Pipe feed set



Set	Pipe length	Order number
1	up to 4 ft (1,500 mm)	6 99 02 179 50 1
2	up to 10 ft (3,000 mm)	6 99 02 179 50 2
3	up to 20 ft (6,000 mm)	6 99 02 179 50 3

Tube cleaning unit

for a clean and dry working environment. The cooling water is wiped from the pipe surface without scratching the pipe. For pipes from 3/8 to 5 in (10 to 130 mm) diameter. Easy attachment to the GRIT GIC.



Order number 6 99 02 000 14 6

Hole template

For attachment to GI 75 / GI 75 2H belt grinders prior to the 1034026 series. For retrofitting tapping holes on the specified belt grinders.

Order number 3 90 00 004 55 4

Guide rail, brass

for dry grinding and rough material surfaces



Order number 3 90 00 000 49 6

Guide rail, nylon

for high surface quality



Order number 3 90 00 000 49 7

Cooling lubricant emulsion

Concentrated, 2.6 gal (10 l), mix ratio 1:30, makes 79 gal (300 l) ready coolant.

Order number 6 99 02 100 00 0

Additional accessories GRIT GI

Flexible hose

for chip removal, 3⁹/₁₆ in (90 mm) dia., 3.3 ft (1 m) long, steel, highly heat resistant



Order number 3 90 00 000 00 2

Hose clamp

for flexible hose attachment

Order number 3 90 00 000 00 3

Water container

Collection container for grinding dust, plastic, approx. 16 x 12 x 11 in (400 x 300 x 285 mm), can also be used as a water container for spark quenching, capacity approx. 5.2 gal (20 l)



Order number 3 90 00 000 48 5

Dust container

with metal cover for hose connection



Order number 6 99 02 000 00 0





**Still have questions? Or do you want to test GRIT belt grinding machines?
Your specialty distributor will be happy to help.**

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FEIN Quebec Ltee, Phone 514 331-7390, Toll Free: 1-800-789-8181
www.fein.com

DE: C. & E. FEIN GmbH, Tel. 07173 183-0, www.fein.com

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