

Revolution Series Grinders



Ingersoll Rands Revolution Series die grinders are designed for non-production, industrial applications and deliver high performance at an affordable price. These grinders epitomize the Ingersoll Rand tradition of quality engineering with light-weight, ergonomic designs that make tools comfortable and easy to use for material removal and surface preparation. Tools are available in a variety of configurations including straight, extended, and angle. Tools are also designed around various motor packages — offering different speeds and horsepower — providing the user with the optimal combination of die grinder performance to accomplish the task at hand.

Power

Powerful 0.33 to 0.40 hp air motors deliver plenty of strength in speeds from 12,000 to 35,000 rpm. The Revolution Series offers the torque and muscle required for a wide range of applications.

- Automotive
- General assembly
- Metal fabrication
- Plant maintenance
- Production prep
- Aerospace
- Shipbuilding
- Utilities
- Tool and die

Performance

Precision gearing and components contribute to long and reliable tool life. Whether removing material, weld cleaning, deburring, cutting, blending, grinding, sanding, or polishing, the New Revolution Series offers smooth operation, maximum power, and efficient performance, all at an affordable price.

Comfort

Weighing only 0.9 to 1.4 pounds, the New Revolution Series grinders requires minimal operator effort. Its compact, contoured shape fits naturally in the operator's hand for easy handling and maneuverability. A composite surface area covering the polished aluminum housing provides excellent grip and control, while insulating the operator from the effects of temperature and vibration.



Revolution Series grinders feature both ergonomic designs and light weight that make them comfortable and easy to use for material removal and surface preparation.



Model	hp	rpm	Exhaust	Output	lb (kg)	in (mm)	in (mm)	in (mm)	cfm
ANGLE									
312AC4A	0.40	12,000	Rear	1/4" collet	1.2 (0.55)	6.7" (170)	2.53" (64)	0.75" (19)	32
314AC4A	0.33	14,000	Rear	1/4" collet	1.2 (0.55)	6.7" (170)	2.53" (64)	0.75" (19)	30
320AC4A	0.40	20,000	Rear	1/4" collet	1.2 (0.55)	6.7" (170)	2.53" (64)	0.75" (19)	32
STRAIGHT									
325SC4A	0.40	25,000	Rear	1/4" collet	0.9 (0.43)	6.5" (166)	N/A	0.75" (19)	32
330SC4A	0.33	30,000	Rear	1/4" collet	0.9 (0.43)	6.5" (166)	N/A	0.75" (19)	30
335SC4A	0.37	35,000	Rear	1/4" collet	0.9 (0.43)	6.5" (166)	N/A	0.75" (19)	30
EXTENDED									
325XC4A	0.40	25,000	Rear	1/4" collet, 3" extended	1.4 (0.62)	9.6" (244)	N/A	0.75" (19)	33
330XC4A	0.33	30,000	Rear	1/4" collet, 3" extended	1.4 (0.62)	9.6" (244)	N/A	0.75" (19)	30

Air inlet for all models is 1/4" NPT.
All models are rear exhaust.
3/8" air hose recommended.
Performance figures are at 90 psi air pressure.

See page 17 for abrasives.



M30TIN

This 30-piece, carbide burr mega-set covers a wide range of applications. Handy storage box keeps burrs organized and ready for use.

G-Series Grinders



Our G1, G2, and G3 Series grinders easily withstand the rigors of today's most demanding industrial environments and conditions, delivering power and precision for enhanced performance. With a G-Series grinder, you'll get the job done faster and more reliably. You'll have shorter downtimes and need fewer parts in inventory, thanks to their easy serviceability.

G-Series grinders are ergonomically designed, which makes them easier and more comfortable to use. Plus, Ingersoll Rand backs them with a two-year extended warranty option — the best in the industry!

The G-Series Grinders — What You See Is What You Get ... Times Three

Configurable front-ends to meet your needs

- Straight die grinders
- Angle die grinders
- Straight grinders (type 1 wheels)
- Angle grinders (type 1 and type 27 wheels)

Improved efficiency means big power in a small package

Ergonomic low-profile locking throttle lever for operator safety

Easy attachment of pipe exhaust



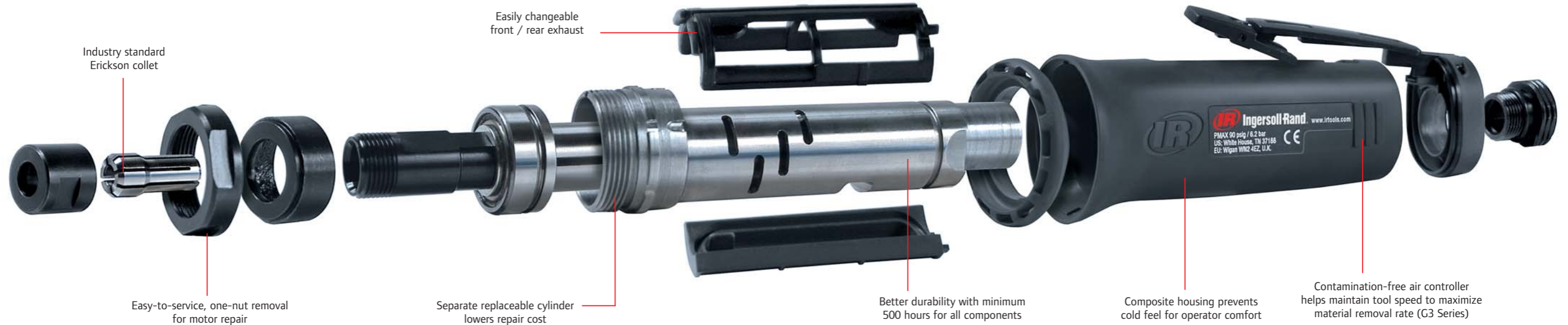
6" guard for greater application coverage (G2 Series and G3 Series)

Ergonomic D-shaped handle for operator comfort

Laser-etched product information won't wear off



From the compact 0.4 hp G1 Series to the powerful 1.35 hp G3 Series, these grinders are made to order for any grinding, cutting, and material removal needs. Engineered and built with Ingersoll Rand reliability and durability, the G-Series has the features operators want most. With our G-Series industrial grinders, your total cost of ownership is reduced. You get the job done faster with greater power, and the easy serviceability of the G-Series means shorter downtimes and fewer parts in inventory.



Industry standard Erickson collet

Easy-to-service, one-nut removal for motor repair

Easily changeable front / rear exhaust

Separate replaceable cylinder lowers repair cost

Better durability with minimum 500 hours for all components

Composite housing prevents cold feel for operator comfort

Contamination-free air controller helps maintain tool speed to maximize material removal rate (G3 Series)

G1 SERIES



- At 0.4 hp, the G1 Series packs a lot of power in a small package.
- Ideal for light material removal, cleaning rough castings, deburring parts, cleaning up welds, and other finishing tasks.
- Ergonomic D-shaped handle fits better in your hand.
- Low noise and vibration.
- One-nut access for all motor servicing.
- Available in angle, horizontal, and extended horizontal configurations.

G2 SERIES



- Perfect for bigger jobs, the G2 Series performs at an impressive 0.8 hp.
- Ergonomic D-shaped handle fits better in your hand.
- One-nut access for all motor servicing.
- Suited for heavier-duty grinding, cutting, cleaning, and polishing applications.
- Available in angle, horizontal, extended angle, and extended horizontal configurations.

G3 SERIES



- Superior power-to-weight ratio — the G3 Series delivers a mighty 1.35 hp.
- The biggest jobs demand the most power.
- Internal contamination-free air controller helps maintain tool speed to maximize material removal rate.
- Ideal for industrial-duty material removal with burrs, grinding wheels, and coated abrasives.
- Available in angle, horizontal, extended horizontal, and extended angle configurations.
- Vibration-reducing handle, allowing end user extended operation.

G1 Series



Model	hp	rpm	Exhaust	Output	Type	lb (kg)	in (mm)	in (mm)	cfm
G-SERIES ANGLE GRINDERS									
G1A120FG4	0.4	12,000	Front	1/4" collet	N/A	1.1 (0.5)	6.0" (152)	3.0" (76)	19
G1A120RG4	0.4	12,000	Rear	1/4" collet	N/A	1.1 (0.5)	6.0" (152)	3.0" (76)	19
G1A200FG4	0.4	20,000	Front	1/4" collet	N/A	1.1 (0.5)	6.0" (152)	3.0" (76)	25
G1A200RG4	0.4	20,000	Rear	1/4" collet	N/A	1.1 (0.5)	6.0" (152)	3.0" (76)	25
G1A200RH63	0.4	20,000	Rear	3/8" - 24 thread, 3" guard	1	1.3 (0.6)	6.0" (152)	1.9" (48)	25
G1A200RP63	0.4	20,000	Rear	3/8" - 24 thread, 3" guard	27, 28	1.3 (0.6)	6.0" (152)	1.9" (48)	25
G-SERIES ANGLE SANDERS									
G1A120RS418	0.4	12,000	Rear	1/4" x 18" belt	N/A	1.2 (0.5)	14.0" (355)	N/A	19
G1A120RS4	0.4	12,000	Rear	1/4" - 20 thread	N/A	1.1 (0.5)	6.0" (152)	3.0" (76)	19
G1A120RS812	0.4	12,000	Rear	1/2" x 12" belt	N/A	1.2 (0.5)	10.8" (274)	N/A	19
G1A120RS818	0.4	12,000	Rear	1/2" x 18" belt	N/A	1.5 (0.7)	14.0" (355)	N/A	19
G1A200RS4	0.4	20,000	Rear	1/4" - 20 thread	N/A	1.1 (0.5)	6.0" (152)	3.0" (76)	25
G1A200RS812	0.4	20,000	Rear	1/2" x 12" belt	N/A	1.2 (0.5)	10.8" (274)	N/A	25
G1A200RS818	0.4	20,000	Rear	1/2" x 18" belt	N/A	1.5 (0.7)	14.0" (355)	N/A	25
G-SERIES HORIZONTAL GRINDERS									
G1H200FG4	0.4	20,000	Front	1/4" collet	N/A	0.9 (0.4)	6.1" (155)	N/A	19
G1H200RG4	0.4	20,000	Rear	1/4" collet	N/A	0.9 (0.4)	6.1" (155)	N/A	19
G1H200RH63	0.4	20,000	Rear	3/8" - 24 thread, 3" guard	1	1.2 (0.5)	6.1" (155)	N/A	19
G1H250RH63	0.4	25,000	Rear	3/8" - 24 thread, 3" guard	1	1.2 (0.5)	6.1" (155)	N/A	20
G1H250FG4	0.4	25,000	Front	1/4" collet	N/A	0.9 (0.4)	6.1" (155)	N/A	20
G1H250RG4	0.4	25,000	Rear	1/4" collet	N/A	0.9 (0.4)	6.1" (155)	N/A	20
G1H350FG4	0.4	35,000	Front	1/4" collet	N/A	0.9 (0.4)	6.1" (155)	N/A	25
G1H350RG4	0.4	35,000	Rear	1/4" collet	N/A	0.9 (0.4)	6.1" (155)	N/A	25
G-SERIES EXTENDED HORIZONTAL GRINDERS									
G1X200RG4	0.4	20,000	Rear	1/4" collet	N/A	1.3 (0.6)	9.1" (231)	N/A	25
G1X250RG4	0.4	25,000	Rear	1/4" collet	N/A	1.3 (0.6)	9.1" (231)	N/A	25
G1X350RG4	0.4	35,000	Rear	1/4" collet	N/A	1.3 (0.6)	9.1" (231)	N/A	25



G2 Series



Model	hp	rpm	Exhaust	Output	Type	lb (kg)	in (mm)	in (mm)	cfm
G-SERIES ANGLE GRINDERS									
G2A090RG4	0.8	9,000	Rear	1/4" collet	N/A	2.3 (1)	7.8" (198)	3.0" (76)	36
G2A090RP64	0.8	9,000	Rear	3/8" - 24 thread, 4" guard	27, 28	3.0 (1.3)	7.8" (198)	2.5" (63)	36
G2A120RG4	0.8	12,000	Rear	1/4" collet	N/A	2.3 (1)	7.8" (198)	3.0" (76)	36
G2A120RP1045	0.8	12,000	Rear	5/8" - 11 thread, 4.5" guard	27, 28	3.2 (1.4)	7.8" (198)	2.4" (61)	36
G2A120RP105	0.8	12,000	Rear	5/8" - 11 thread, 5" guard	27, 28	3.6 (1.6)	7.8" (198)	2.4" (61)	36
G2A120RP64	0.8	12,000	Rear	3/8" - 24 thread, 4" guard	27, 28	3.0 (1.3)	7.8" (198)	2.5" (63)	36
G2A150RP64	0.8	15,000	Rear	3/8" - 24 thread, 4" guard	27, 28	3.0 (1.3)	7.8" (198)	2.5" (63)	36
G2A180RG4	0.8	18,000	Rear	1/4" collet	N/A	2.3 (1)	7.8" (198)	3.0" (76)	36
G2A180RH64	0.8	18,000	Rear	3/8" - 24 thread, 4" guard	1	2.7 (1.2)	7.8" (198)	2.6" (66)	36
G2A180RP63	0.8	18,000	Rear	3/8" - 24 thread, 3" guard	27, 28	3.1 (1.4)	7.8" (198)	2.5" (63)	36
G-SERIES ANGLE SANDERS									
G2A100RS10	0.8	10,000	Rear	5/8" - 11 thread	N/A	2.7 (1.2)	7.8" (198)	3.0" (76)	36
G2A120RS10	0.8	12,000	Rear	5/8" - 11 thread	N/A	2.7 (1.2)	7.8" (198)	3.0" (76)	36
G2A135RS10	0.8	13,500	Rear	5/8" - 11 thread	N/A	2.7 (1.2)	7.8" (198)	3.0" (76)	36
G-SERIES HORIZONTAL GRINDERS									
G2H180FG4	0.8	18,000	Front	1/4" collet	N/A	1.6 (0.7)	7.4" (188)	N/A	36
G2H180RG4	0.8	18,000	Rear	1/4" collet	N/A	1.6 (0.7)	7.4" (188)	N/A	36
G2H200FG4	0.8	20,000	Front	1/4" collet	N/A	1.6 (0.7)	7.4" (188)	N/A	36
G2H200RG4	0.8	20,000	Rear	1/4" collet	N/A	1.6 (0.7)	7.4" (188)	N/A	36
G2H250FG4	0.8	25,000	Front	1/4" collet	N/A	1.6 (0.7)	7.4" (188)	N/A	36
G2H250RG4	0.8	25,000	Rear	1/4" collet	N/A	1.6 (0.7)	7.4" (188)	N/A	36
G-SERIES EXTENDED ANGLE GRINDERS									
G2E135RG4	0.8	13,500	Rear	1/4" collet	N/A	2.6 (1.1)	10.4" (264)	3.0" (76)	36
G2E135RH64	0.8	13,500	Rear	3/8" - 24 thread, 4" guard	1	2.0 (0.9)	10.4" (264)	2.6" (66)	36
G2E135RP64	0.8	13,500	Rear	3/8" - 24 thread, 4" guard	27, 28	3.0 (1.3)	10.4" (264)	2.6" (66)	36
G2L100RP106	0.8	10,000	Rear	5/8" - 11 thread, 6" guard	27, 28	4.4 (1.9)	12.6" (320)	2.4" (61)	36
G2L120RP1045	0.8	12,000	Rear	5/8" - 11 thread, 4.5" guard	27, 28	4.4 (1.9)	12.6" (320)	2.4" (61)	36
G2L120RP64	0.8	12,000	Rear	3/8" - 24 thread, 4" guard	27, 28	4.4 (1.9)	12.6" (320)	2.5" (63)	36
G-SERIES EXTENDED ANGLE SANDERS									
G2L075FS10	0.8	7,500	Front	5/8" - 11 thread	N/A	2.6 (1.1)	10.4" (264)	3.0" (76)	36
G2L120RS10	0.8	12,000	Rear	5/8" - 11 thread	N/A	2.0 (0.9)	10.4" (264)	2.6" (66)	36
G-SERIES EXTENDED HORIZONTAL GRINDERS									
G2S180RH63	0.8	18,000	Rear	3/8" - 24 thread, 3" guard	1	2.5 (1.1)	8.6" (218)	N/A	36
G2X180RG4	0.8	18,000	Rear	1/4" collet	N/A	2.7 (1.2)	12.1" (307)	N/A	36
G2X180RH63	0.8	18,000	Rear	3/8" - 24 thread, 3" guard	1	3.2 (1.4)	12.4" (315)	N/A	36
G2X180RH64	0.8	18,000	Rear	3/8" - 24 thread, 4" guard	1	3.5 (1.6)	12.4" (315)	N/A	36
G2X200RG4	0.8	20,000	Rear	1/4" collet	N/A	2.7 (1.2)	12.1" (307)	N/A	36
G2X250RG4	0.8	25,000	Rear	1/4" collet	N/A	2.7 (1.2)	12.1" (307)	N/A	36

G3 Series



Model	hp	rpm	Exhaust	Output	Type	lb (kg)	in (mm)	in (mm)	cfm
G-SERIES ANGLE GRINDERS									
G3A100RP106	1.35	10,000	Rear	5/8" - 11 thread, 6" guard	27, 28	4.9 (2.2)	9.6" (244)	3.6" (91)	33
G3A120RG4	1.35	12,000	Rear	1/4" collet	N/A	3.7 (1.6)	9.5" (241)	3.3" (84)	55
G3A120RP1045	1.35	12,000	Rear	5/8" - 11 thread, 4.5" guard	27, 28	4.6 (2)	9.6" (244)	3.6" (91)	55
G3A120RP105	1.35	12,000	Rear	5/8" - 11 thread, 5" guard	27, 28	4.7 (2.1)	9.6" (244)	3.6" (91)	55
G-SERIES HORIZONTAL GRINDERS									
G3H150RG4	1.35	15,000	Rear	1/4" collet	N/A	2.3 (1)	9.1" (231)	N/A	33
G3H180RG4	1.35	18,000	Rear	1/4" collet	N/A	2.3 (1)	9.1" (231)	N/A	55
G-SERIES EXTENDED ANGLE SANDERS									
G3L086RS10	1.35	8,600	Rear	5/8" - 11 thread	N/A	4.3 (1.9)	13.0" (330)	3.0" (76)	33
G-SERIES EXTENDED HORIZONTAL GRINDERS									
G3X150RG4	1.35	15,000	Rear	1/4" collet	N/A	3.7 (1.6)	14.1" (358)	N/A	33
G3X150RH64	1.35	15,000	Rear	3/8" - 24 thread, 4" guard	1	4.5 (2)	14.1" (358)	N/A	33
G3X180RG4	1.35	18,000	Rear	1/4" collet	N/A	3.7 (1.6)	14.1" (358)	N/A	55
G3X180RH63	1.35	18,000	Rear	3/8" - 24 thread, 3" guard	1	4.5 (2)	14.1" (358)	N/A	55

Air inlet for: G1, G2 - 1/4" NPT; G3 - 3/8" NPT
Recommended hose size: G1, G2 - 3/8"; G3 - 1/2"
Performance figures are at 90 psi air pressure.

