

# Pneumatic Grinding & Finishing

## G and M Series Grinders/Sanders **HHH** Super-duty classification

From the compact 0.3 kW (0.4 hp) G1 Series to the powerful 1.0 kW (1.35 hp) G3 Series, these grinders are made for any grinding, cutting, and material removal needs.

Engineered and built with Ingersoll Rand reliability and durability, the G and M Series has the features operators want most.



### G1 Series:

For light material removal, cleaning rough castings and welds, deburring parts.

- 0.3 kW (0.4 hp) motor.
- Easily interchangeable front/rear exhaust.
- Piped-away exhaust as standard.

**NEW**

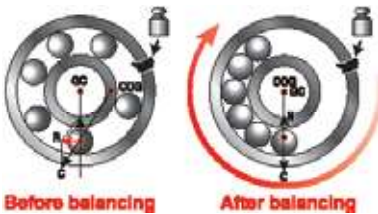


### M2 Series:

For heavier-duty applications in grinding, cutting, cleaning, and polishing.

- Powerful 0.75 kW (1 hp) lube-free air motor.
- Internal motor governor maintains grinder speed and manages air flow for efficient energy use
- Spindle lock on angle models, allows faster, easier accessory changes.
- Piped-away exhaust as standard.

Auto balancing system on G3 Series



### G3 Series:

For heavy material removal with burrs, grinding wheels, and coated abrasives. Internal contamination-free air controller helps maintain tool speed regardless of the load.

- High torque 1 kW (1.35 hp) air motor.
- Internal motor governor maximizes speed under load, increasing your rate of material removal.
- Auto balancing system and anti-vibration dead handle on G3 "AV" models significantly reduces vibrations and increases life of grinding wheels.
- Piped-away exhaust as standard.

## G and M Series Angle Die Grinders **HHH** Super-duty classification

 Erickson Collet












G1A200PG4M



M2A180RG4

Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kW	 rpm	 mm	 kg	 mm	 in (NPT)	 mm	 L/s	 dB(A) <sup>(1)</sup>	 m/s <sup>2</sup> / K <sup>(2)</sup>
<b>Angle Die Grinders</b>											
<b>G1A200PG4M</b>	80155211	0.30	20 000	6 mm	0.50	152	1/4"	8	11.8	80.6	5.6 / 1.1
<b>M2A120RG4</b>	48421648	0.75	12 000	6 mm+ 1/4"	1.62	227	3/8"	10	19.8	87.1	< 2.5
<b>M2A180RG4</b>	48421697		18 000	6 mm+ 1/4"	1.62	227	3/8"	10	19.8	88.8	3.1 / 1.0
<b>G3A120PG4M</b>	80177462	1.00	12 000	6 mm	1.90	241	3/8"	13	26.0	84.7	5.5 / 0.9
<b>G1A120PG4M</b>	80155187	0.30	12 000	6 mm	0.50	152	1/4"	10	8.96	79.6	3.4 / 0.9

(1) Sound pressure without pipe away exhaust

(up to 6 dB(A) less with piped away exhaust).

(2) ISO28927 – 3-axis measurement: vibration

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## G and M Series Grinders

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Type 27 and 28 wheels



Type 1 wheel

### Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kW	rpm	mm	mm	kg	mm	in (NPT)	mm	L/s	dB(A) <sup>(1)</sup>	m/s <sup>2</sup> / K <sup>(2)</sup>
<b>Angle Grinders</b>												
<b>G1A200PP63</b>	80155419	0.30	20 000	75	3/8"-24	0.59	152	1/4"	8	11.8	79.9	16.8 / 6.2
<b>3445MAX-M</b>	45664240	0.6	12000	115	M14	1.53	245	1/4"	10	19.3	79.6	6.4 / 2.0
<b>345MAX-M</b>	45664257	0.6	12000	125	M14	1.56	245	1/4"	10	19.3	79.6	7.9 / 0.7
<b>M2A090RP95</b>	48421622		9 000	125	M14	1.62	236	3/8"	10	19.8	87.7	4.6 / 1.6
<b>M2A120RP945</b>	48391981	0.75	12 000	115	M14	1.71	236	3/8"	10	19.8	87.0	5.1 / 1.5
<b>M2A120RP95</b>	48421606		12 000	125	M14	1.77	236	3/8"	10	19.8	87.0	5.0 / 0.9
<b>G3L086PP95<sup>(3)</sup></b>	80232408		8 600	125	M14	2.32	330	3/8"	13	26.0	84.0	5.0 / 1.6
<b>G3A100PP96AV</b>	80217052	1.0	10 000	150	M14	2.32	245	3/8"	13	26.0	86.1	4.8 / 1.9
<b>G3A120PP945AV</b>	80217037		12 000	115	M14	2.18	245	3/8"	13	15.6	88.7	4.8 / 1.5
<b>G3A120PP95AV</b>	80217045		12 000	125	M14	2.09	245	3/8"	13	26.0	88.7	5.0 / 1.9
<b>Straight Grinders</b>												
<b>G1H250PH63</b>	80155443	0.30	25 000	75	3/8"-24	0.57	156	1/4"	8	9.4	81.1	10.7 / 3.3
<b>M2X180RH63</b>	48421580	0.75	18 000	75	3/8"-24	1.48	339	3/8"	10	19.8	85.3	< 2.5
<b>G3X150PH64</b>	80155799	1.0	15 000	100	3/8"-24	2.04	359	3/8"	13	15.6	84.5	2.5 / 0.8
<b>G3X180PH63</b>	80155781		18 000	75	3/8"-24	2.04	359	3/8"	13	26.0	88.8	2.8 / 0.9

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## G and M Series Straight Die Grinders

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### Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kW	 rpm	 mm	 kg	 mm	 in (NPT)	 mm	 L/s	 dB(A) <sup>(1)</sup>	 m/s <sup>2</sup> / K <sup>(2)</sup>
<b>Straight Die Grinders</b>											
<b>G1H200PG4M</b>	80155245	0.30	20 000	6mm	0.41	156	1/4"	8	9.0	78.5	2.9 / 1.7
<b>G1H250PG4M</b>	80155286		25 000	6mm	0.41	156	1/4"	8	9.4	79.2	2.5 / 1.4
<b>G1H350PG4M</b>	80155310		35 000	6mm	0.41	156	1/4"	8	11.8	81.1	< 2.5
<b>M2H180RG4</b>	48421580	0.75	18 000	6 mm+ 1/4"	0.77	213	3/8"	10	19.8	84.7	4.2 / 1.6
<b>M2H200RG4</b>	48421572		20 000	6 mm+ 1/4"	0.77	213	3/8"	10	19.8	84.9	4.4 / 1.1
<b>M2H250RG4</b>	48393003		25 000	6 mm+ 1/4"	0.77	213	3/8"	10	19.8	88.2	< 2.5
<b>G3H150PG4M</b>	80224231	1.00	15 000	6mm	1.05	230	3/8"	13	15.6	83.5	3.7 / 2.6
<b>G3H180PG4M</b>	80223787		18 000	6mm	1.05	230	3/8"	13	26.0	83.5	< 2.5
<b>Straight Extended Die Grinders</b>											
<b>G1X200PG4M</b>	80155336	0.30	20 000	6 mm	0.59	232	1/4"	8	11.8	77.9	< 2.5
<b>G1X250PG4M</b>	80155351		25 000	6 mm	0.59	232	1/4"	8	11.8	80.0	< 2.5
<b>G1X350PG4M</b>	80155377		35 000	6 mm	0.59	232	1/4"	8	11.8	81.9	< 2.5
<b>M2X075RG4</b>	48405294	0.75	7 500	6 mm+ 1/4"	1.35	304	3/8"	10	19.8	88.0	< 2.5
<b>M2X180RG4</b>	48418396		18 000	6 mm+ 1/4"	1.22	332	3/8"	10	19.8	88.8	2.8 / 0.9
<b>M2X200RG4</b>	48421655		20 000	6 mm+ 1/4"	1.22	332	3/8"	10	19.8	84.9	< 2.5
<b>M2X250RG4</b>	48421663		25 000	6 mm+ 1/4"	1.22	332	3/8"	10	19.8	88.2	< 2.5
<b>G3X150PG4M</b>	80155765	1.00	15 000	6 mm	1.70	359	3/8"	13	15.6	87.9	3.6 / 0.8
<b>G3X180PG4M</b>	50155732		18 000	6 mm	1.70	359	3/8"	13	26.0	86.4	< 2.5

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).

(2) ISO28927 – 3-axis measurement: vibration level / measurement uncertainty.

### Erickson Collets for G1Series

Model No.	CPN	Size
<b>DG110-700-G2</b>	03641743	1/8"
<b>DG110-700-6MM</b>	04261053	6 mm
<b>DG110-700-G4</b>	03641602	1/4"

### Erickson Collets for M2 and G3 Series

Model No.	CPN	Size
<b>G160HD-700-6MM</b>	04261061	6 mm
<b>G160HD-700-1/4</b>	03493962	1/4"
<b>DG121HD-700-M8</b>	03641321	8 mm
<b>DG120HD-700-G6</b>	03641313	3/8"

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## G and M Series Sanders

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### Sanding Pads for G and M Series

Model No	CPN	Description	Size
02A-MEDPD	80199177	For G1 Series	Ø 50 mm (2")
03A-MEDPD	80198963		Ø 75 mm (3")
77A-AM825-5	03675477	For M2 and G3 Series (medium)	Ø 125 mm (5")
77A-AM825-7	03675469		Ø 180 mm (7")
77A-AM825-9	03675451	For M2 and G3 Series (firm)	Ø 230 mm (9")

### Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kW	rpm	mm	kg	mm	in (NPT)	mm	L/s	dB(A) <sup>(1)</sup>	m/s <sup>2</sup> / K <sup>(2)</sup>
<b>Sanders</b>											
G1A120PS4	80155468	0.30	12 000	Option	M14	1.90	3/8"	10	19.8	87.0	4.0 / 1.4
G1A200PS4	80155534		20 000		M14	1.90	3/8"	10	19.8	88.8	2.8 / 1.8
M2L025RS9	48421788	0.75	2 500	(see table)	M14	1.90	3/8"	10	19.8	88.8	3.7 / 1.1
M2L040RS9	48421796		4 000		M14	1.90	3/8"	10	19.8	88.8	< 2.5
M2L055RS9	48421812		5 500		M14	1.90	3/8"	10	19.8	88.8	< 2.5
G3L086PS10	80223803	1.0	8 600		5/8"-11	1.93	3/8"	13	15.6	82.0	< 2.5

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).  
 (2) ISO28927 – 3-axis measurement: vibration level / measurement uncertainty.

## G Series Belt Sanders



### Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kW	rpm	mm	kg	mm	in (NPT)	mm	L/s	dB(A) <sup>(1)</sup>	m/s <sup>2</sup> / K <sup>(2)</sup>
<b>Belt Sanders</b>											
G1A120PS418	80155484	0.30	12 000	457 x 6.35	0.54	356	1/4"	8	9.0	82.4	< 2.5
G1A120PS812	80155500		12 000	305 x 12.7	0.54	273	1/4"	8	9.0	82.4	< 2.5
G1A200PS812	80155559		20 000	305 x 12.7	0.54	273	1/4"	8	11.8	83.6	2.6 / 0.7

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).  
 (2) ISO28927 – 3-axis measurement: vibration level / measurement uncertainty.



### Sanding Belts 3/8"-24 female thread

Model No.	CPN	Dimensions	Grit
LG1-SB812-60-10	04025649	12.7 x 305 mm (1/2" x 12")	60
LG1-SB812-80-10	04025656		80
LG1-SB812-100-10	04025664		100
LG1-SB418-60-10	04279832	6.35 x 457 mm (1/4" x 18")	60
LG1-SB418-80-10	04279840		80
LG1-SB418-100-10	04279857		100