

Classic Line Die Grinders

Finishing Tools

Rated Power: 20,000 to 85,000 rpm / 0.1 hp (.08 kW)

Standard Equipment

- Collet with Insert
- Collet Wrenches
- 6'-long x 7/32" ID (1.8 m x 6 mm) Air Hose and 18"-long Exhaust Overhose on Models GH011A-600-(-).
- 7'-long x 3/16" ID (2.1 m x 4.8 mm) Air Hose on Models 7978-(-), 7980-(-), and 7114-E.
- 39830 Cartridge Air Filter on Models 7980-(-) and 7114-E.

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Turbine Grinders

85,000 RPM / .1 hp (.08 kW)

Capacity: 1/8" Carbide Bur 3/8" Mounted Stone

- Ideal high-speed tools for final cleaning / polishing of dies.

Pencil Grinders

60,000 RPM / .1 hp (.08 kW)

Capacity: 1/4" Carbide Bur Grinder 1/4" Mounted Stone

- Excellent for intricate grinding applications, including mold finishing, deburring, cleaning and polishing.
- Trim, comfortable design enables excellent control.
- Choice of rear exhaust or front exhaust models.

Die Grinders

20,000 RPM / .1 hp (.08 kW)

Capacity: 1/4" Carbide Bur 1/2" Mounted Stone

- Ideal for mold finishing, light deburring and flash removal.



Classic Line Die Grinders

Model No.	Free Speed rpm	Throttle Style	Std Collet Size		Exhaust Location	Spindle Thread Male	Spindle Offset		Tool Length		Tool Weight		© Free Speed Air Consp.		Std Collet Insert Part No.	
			in.	mm			in.	mm	in.	mm	oz	kg	cfm	L/s		dB(A)
7980-2	85,000	Lever	1/8	3	Front	N/A	.6	14	5.6	143	14	.40	9	4.3	84	31812-4
• 7980-A	85,000	Twist	1/8	3	Front	N/A	.6	14	5.6	143	14	.40	9	4.3	84	31812-4
• 7978	60,000	Slide	1/8	—	Front	N/A	.4	9	5.6	143	5.5	.15	6	2.8	80	46119-2
• GH011A-600-1	60,000	Twist	1/8	—	Rear	N/A	.34	9	5.3	136	2.6	.07	7	3.3	77	47568-1
• 7114-E	20,000	Lever	1/8	3	Front	N/A	.5	12	6	152	13	.37	6	2.8	79	31812-4

• Most popular model Hose Inlet – 1/8" NPTF Recommended Air Pressure – 90 PSI (6.2 bar)

Optional Collet Inserts

For Models	Part No.	Description
7980 & 7114-E	31812-(-)	Collet Insert
7978	46119-(-)	Collet Insert
GH011A	47568-(-)	Collet Insert

For other optional collet inserts see page 93.



Part No. 39830
Cartridge Air Filter

Classic Line Die Grinders Finishing Tools

Rated Power: 20,000 rpm / 0.6 hp (.45 kW)



8827-ARO
with 45248-1 Universal Guide



8827-ARO
with 45248-2 Guide

Stylus Router

20,000 rpm / .6 hp (.45 kW)

Capacity: 1/4" Collet

2 1/2" Carbide Bit

- Powerful, lightweight router for use with templates on laminated plastics, FRP and FMC materials, wood and sheet metal.
- Choice of guide assemblies at extra cost. Order tool with desired guide number.

Classic Line Die Grinders

Model No.	Free Speed rpm	Throttle Style	Std Collet Size		Exhaust Location	Tool Length		Tool Weight		@ Free Speed		Std Collet Insert Part No.	
			in.	mm		in.	mm	oz	kg	Air Cons. cfm	Sound Level L/s dB(A)		
8827-ARO	20,000	Lever	1/4	6	Rear	9.1	231	1.4	.7	31	1	84	33226-8

Air Inlet – 1/4" NPTF

Recommended Air Pressure – 90 PSI (6.2 bar)

Recommended Hose Size – 5/16" (8 mm) I.D.

Standard Equipment

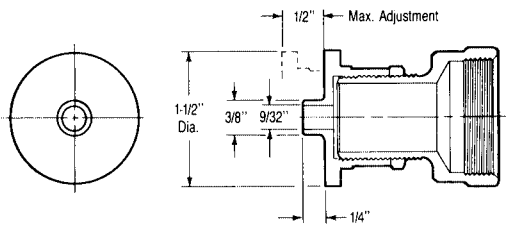
- Collet
- Collet Wrenches

Extra Cost Accessories

Part #	Description
45248-1	Universal Guide Assembly
45248-2	Guide Assembly
45253-()	Pipe Exhaust Assembly

45248-1 Universal Guide Assembly

Recommended for maximum bit exposure.

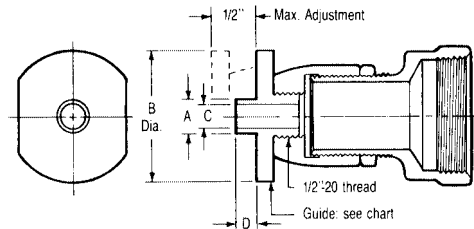


45248-2 Guide Assembly

Recommended for template routing. Also order 39980-() Router Guide, separately. 39980-6 guide is furnished as standard unless otherwise specified.

39980-() Router Guides for 1/4" Bits

Guides thread into 1/2-20 (female) thread on Guide.



Dimensions

Guide Part No.	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
39980-3	3/8	10	3/4	19	9/32	7	1/4	6
39980-5	3/8	10	1 1/2	38	9/32	7	1/8	3
39980-6	3/8	10	1 1/2	38	9/32	7	1/4	6
39980-7	3/8	10	1 1/2	38	9/32	7	3/8	10
39980-8	3/8	10	2 1/2	64	9/32	7	3/8	10
39980-11	7/16	11	3/4	19	21/64	8	3/8	10
39980-14	7/16	11	1 1/2	38	21/64	8	3/8	10
39980-16	1/2	13	1 1/2	38	21/64	8	1/4	6
39980-18	1/2	13	1 1/2	38	21/64	8	1/2	13
39980-19	1/2	13	2 1/2	64	21/64	8	1/2	13

Classic Line Die Grinders

Finishing Tools

Rated Power: 14,500 to 30,000 rpm / 0.3 to .6 hp (0.2 to 0.4 kW)

Standard Equipment

- Collet with Insert

Die Grinders

30,000 RPM / .3 hp (.2 kW)

Capacity: 5/8" Carbide Bur 1" Mounted Stone

- Popular, lightweight tools for light deburring and flash removal.
- Optional lock-off throttle lever shown.

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8475-A

Classic Line Die Grinders

Model No.	Free Speed rpm	Throttle Style	Std Collet Size in. mm ¹	Exhaust Location	Spindle Thread Male	Spindle Offset in. mm	Tool Length in. mm	Tool Weight oz. kg	@ Free Speed Air Consp. cfm L/s	Sound Level dB(A)	Std Collet Insert Part No.
• 8475-A	30,000	Lever	1/4 -	Front	5/16-24	.7 17	5.1 132	12 .34	18 8.5	81	41750-3
8475-A1	30,000	Lever	1/4 -	Front	5/16-24	.7 17	5.1 132	12 .34	18 8.5	81	31812-8

- Most popular models

Note:-A1 models are equipped with a 44124-8 Erickson Collet. For metric size collets, order tool "with" 41753(-).

For metric size collet inserts, see 41750(-) on page 93.

Air Inlet – 1/4" NPTF Recommended Air Pressure – 90 PSI (6.2 bar) Recommended Hose Size – 5/16" (8 mm) I.D.

Option Collet Inserts

For Models	Part No.	Description	Substituted for Standard
All -A	41750(-)	Collet Insert	Collet Insert
All -A1	31812(-)	Erickson Collet	Collet Insert
8475	45953	Lock-off lever	Lever (Extra Cost Accessory)

For other optional collet inserts see page 93.

Standard Equipment

- Collet with Insert
- Collet Wrenches

Die Grinders

21,000 RPM / .5 hp (.4 kW)

Capacity: 1 1/2" Mounted Stone

- Very popular, all-purpose die grinders for deburring and flash removal.
- Optional lock-off throttle lever shown.

18,000 RPM / .4 hp (.3 kW)

Capacity: 1 1/2" Mounted Stone 2" x 1 1/2" Type 1 Wheel

- Excellent deburring and flash removal tool.
- Optional lock-off throttle lever shown

14,500 to 18,000 rpm / .6 HP (.4 kW)

Capacity: 1 1/2" Mounted Stone 2" x 1 1/2" Type 1 Wheel

- Designed for heavier stock removal and deburring applications in foundries and metal fab shops.
- Built-in speed regulator.
- Optional lock-off throttle lever shown.



7153-C



8212-1B



7015-11

Classic Line Die Grinders

Model No.	Free Speed rpm	Throttle Style	Std Collet Size in. mm ¹	Exhaust Location	Spindle Thread Male	Spindle Offset in. mm	Tool Length in. mm	Tool Weight oz. kg	@ Free Speed Air Consp. cfm L/s	Sound Level dB(A)	Std Collet Insert Part No.
• 8212-1B ¹	21,000	Lever	1/4 -	Front	3/8-24	.8 21	5.9 149	1.4 .6	27 12.7	86	41750-3
• 7015-11 ¹	18,000	Lever	1/4 -	Front	3/8-24	.8 21	5.9 149	1.2 .5	22 10.4	84	37431-3
7149-C	18,000	Button	1/4 -	Side	3/8-24	.9 24	7.0 179	2.0 .9	21 9.9	86	41750-3
• 7153-C ¹	18,000	Lever	1/4 -	Side	3/8-24	.9 24	7.0 179	2.0 .9	21 9.9	86	41750-3
7236-C	14,500	Lever	1/4 -	Side	3/8-24	.9 24	7.0 179	2.0 .9	23 10.9	83	41750-3

- Most popular models

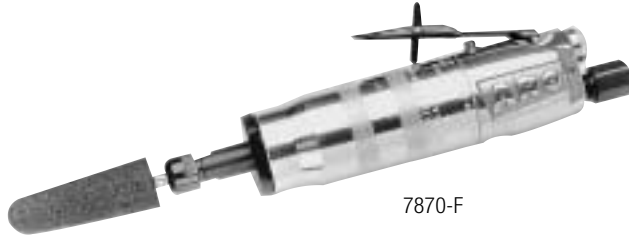
(1) For other optional collet inserts see page 93.

Air Inlet – 1/4" NPTF Recommended Air Pressure – 90 PSI (6.2 bar) Recommended Hose Size – 5/16" (8 mm) I.D.

Classic Line Die Grinders

Finishing Tools

Rated Power: 12,000 to 18,000 rpm / (0.3 to 0.6 kW)



Standard Equipment

- Collet with Insert
- Collet Wrenches

Die Grinders

18,000 rpm & 12,000 RPM

0.8 hp (.6 kW) & .4 hp (.3 kW)

Capacity: 2" Mounted Stone 2" Type 1 Wheel

- Excellent tools for removal of parting lines on castings and heavier deburring applications.
- Duplex bearings provide added spindle support for longer life.
- Built-in speed regulator.
- Optional lock-off throttle lever shown.

17,000 rpm / .5 HP (.4 kW)

Capacity: 1 1/2" Mounted Stone 2" Type 1 Wheel

- Popular tools for heavier flash removal and deburring.
- Built-in regulator.
- Optional lock-off throttle lever shown.

Classic Line Die Grinders

Model No.	Free Speed rpm	Throttle Style	Std Collet Size in. mm ¹	Exhaust Location	Spindle Thread Male	Spindle Offset in. mm	Tool Length		Tool Weight		@ Free Speed		Std Collet Insert Part No.	
							in.	mm	lbs	kg	Air Cons. cfm	L/s		Sound Level dB(A)
• 7870-F	18,000	Lever	1/4 -	Rear	3/8-24	.9 24	7.8	198	2.4	1.1	30	14.2	87	41750-3
7872-F	18,000	Button	1/4 -	Rear	3/8-24	.9 24	7.8	198	2.4	1.1	30	14.2	87	41750-3
• 7015-E	17,000	Lever	1/4 -	Rear	3/8-24	.9 22	6.6	168	1.6	.7	24	11.3	84	41750-3
7014-E	17,000	Button	1/4 -	Rear	3/8-24	.9 22	6.6	168	1.6	.7	24	11.3	84	41750-3
7871-F	12,000	Lever	1/4 -	Rear	3/8-24	.9 24	7.8	198	2.4	1.1	15	7.1	81	41750-3

- Most popular models

(1) For metric size collet inserts, see 41750-() on page 93.

Air Inlet – 1/4" NPTF Recommended Air Pressure – 90 PSI (6.2 bar) Recommended Hose Size – 5/16" (8 mm) I.D.

Optional Collet Inserts

For Models	Part No.	Description	Substituted for Standard
All	41750-()	Collet Insert	Collet Insert
All	41127-()	Erickson Collet	Collet

For other optional collet inserts see page 93.

Extra Cost Accessories

For Models	Part No.	Description
7014, 7015	44360-()	Piped Exhaust Assembly
All Lever Models	45779	Lock-Off Lever

For Piped Exhaust Assembly see page 110.

For Lock-Off Lever see page 93.