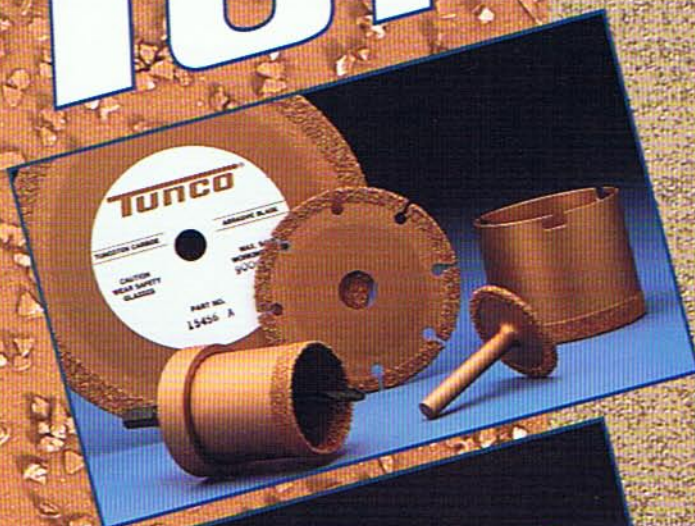
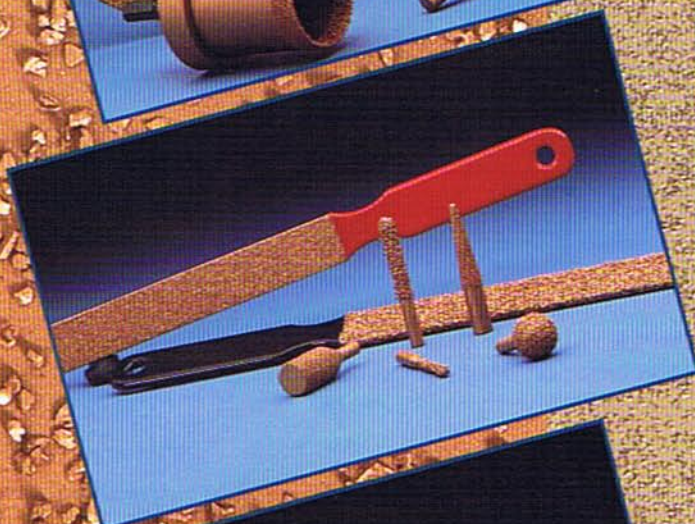


TUNCO®

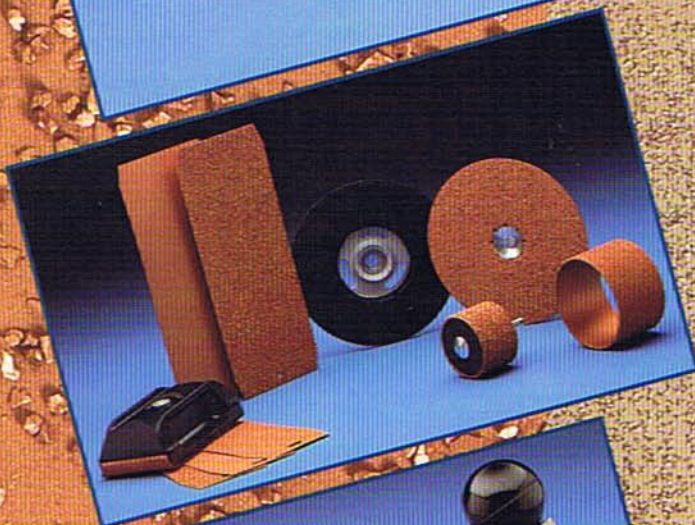
**Cutting Tools
and Abrasives
for Composite
Materials**



Cutting Products



Shaping Products



Sanding Products



Air Tools



These high-quality cutting tools and abrasive products are specifically designed for use on composites, fiberglass, reinforced plastics, rubber, and similarly abrading non-metallic materials.

Manufactured with sharp, durable, Tungsten Carbide Grit, or patented Di-Carb* abrasive surfaces, Tunco products approach the tool life and performance levels of diamond-only products, but at only a *fraction* of their cost. Tunco tools will also outlast traditional abrasives and high-speed steel cutting tools.

Unsurpassed quality, productivity, and value is built into every Tunco product.

General Information

Ordering and Availability

Standard Products: Tools and accessories illustrated in this catalog are considered "standard" and normally available for delivery from stock. Di-Carb™ blades and abrasive wheels are normally available on a made to order basis.

Engineered Products: Tunco offers in-house engineering and computer-aided design services, along with the latest CNC machining technology for customized cutting tools and abrasive products. We would welcome the opportunity to work with you on any special requirements.

Warranty: Tunco warrants its tools to be free of defects in materials and workmanship. Any product that is found to be abused, misused, or misapplied will not be warranted.

Helpful Hints for More Extended Tool Life

✓ For products such as saw blades, sleeves, and grinding wheels, rotation in one direction creates wear on only one side of the grit cutting edges. Periodic reverse-mounting of the tool on the arbor will expose the "un-used" edges and extend tool life even further.

✓ If a Tunco product is loading, and a coarser grit size cannot be used, soak the loaded tool overnight in an appropriate solvent. The next day, wire brush the grit surface and you are ready for continued use.

Caution: When using Tunco tools, strictly observe all applicable operating instructions. Always wear safety glasses, stand clear of the plane of rotation, and observe maximum RPM limits. Use tools only for their intended purpose and in connection with proper accessories. Improper use of Tunco products can result in personal injury.

*U.S. Patent No. 5,271,547

Cutting Products

Circular Saw Blades

Cut faster and longer with Tunco's complete line of abrasive saw blades ...

- ✓ **General Purpose** Ideal for all-around cutting of composite materials.
- ✓ **Heavy Duty** Wider band of tungsten carbide grit on each side of cutting edge makes this a great blade for extremely hard and/or thick materials.
- ✓ **Slim Trim** Reduce kerf width by two-thirds and leave a finer edge finish with this blade. A medium grit is brazed to the outside diameter for fast cutting action. Tunco then applies 80-grit on each blade side. Highly recommended for cutting thin materials.
- ✓ **Razorback** If your small diameter/high rpm blades are creating excessive heat, Razorback offers an alternative. Available as a General Purpose or a Slim Trim blade, Razorback's slots permit blade expansion from high heat and create increased air flow for better heat dissipation.

All blades up to 4" diameter are compatible with high-speed air or electric portable saws and grinders. Use larger blades on portable circular saws, chop saws, and table saws.

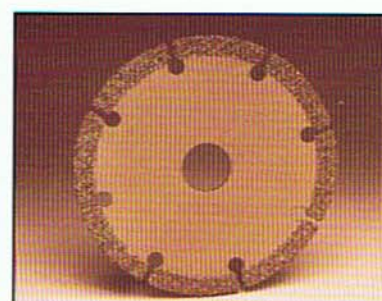
When ordering, specify desired cutting action by using the letter "B" for coarse (24-grit), "A" for medium (36-grit), or "C" for fine (60-grit). Other grit and arbor hole sizes available on special order. Contact factory. Also see page 5 for accessories.



General Purpose



Heavy-Duty



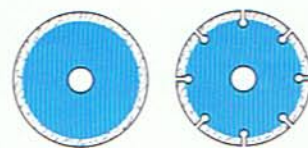
Razorback

Blade Diameter	Arbor Hole Diameter	General Purpose Part Number	Heavy Duty Part Number	Slim Trim Part Number	Razorback General Purpose Part Number	Razorback Slim Trim Part Number
1"	1/4"	15569	—	—	—	—
1 1/2"	1/4"	15570	—	15911	16281	16301
2"	1/4"	15571	—	15912	16282	16302
2"	3/8"	15575	—	—	—	—
2 1/2"	3/8"	16148	—	16149	16284	16304
2 1/2"	7/16"	16029	—	16283	—	—
3"	1/4"	15572	—	15913	16287	16307
3"	3/8"	15576	—	—	16285	16305
4"	3/8"	16018	—	16019	16288	16308
4"	5/8"	18545	—	—	18546	—
4"	3/4"	16020	—	15926	16289	16309
6"	5/8"	15556	15455	15906	—	—
7 1/4"	5/8"	17147	15456	15907	—	—
8"	5/8"	15557	15457	15908	—	—
10"	1"	15558	15549	15909	—	—
12"	1"	—	16064	15904	—	—

Cutting Products



Circular Blades



Patented technology on the cutting edge for today's composite materials. Tunco combines the durability of natural diamonds with the extreme sharpness of tungsten carbide grit for a longer-lasting, rapid-cutting blade ... at a *much lower cost* than the diamond-only products.

Available in Continuous Rim up to 12" and Razorback up to 4". Other arbor hole sizes also available. Contact factory.

When ordering, specify cutting action with the grit selection guide below. Just cross-reference your current diamond grit (mesh) size(s) with the Di-Carb designation(s). Also see page 5 for accessories.

Grit Selection Guide

Diamond Mesh (grit size)	Di-Carb Designation
30/40	F-7
40/50	G-7
50/70	H-7
60/80	I-7
150/180	K-7
200/230	N-7

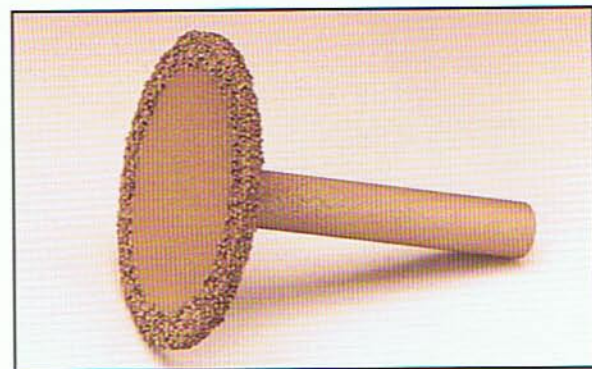
Blade Diameter	Arbor Hole Diameter*	Continuous Rim	Razorback
		Part Number	Part Number
2"	1/4"	15571	16282
	3/8"	15575	—
2 1/2"	3/8"	16148	16284
	7/16"	16029	16283
3"	1/4"	15572	16287
	3/8"	15576	16285
4"	3/8"	16018	16288
	5/8"	18545	18546
	3/4"	16020	16289
6"	5/8"	15556	—
7 1/4"	5/8"	17147	—
8"	5/8"	15557	—
10"	1"	15558	—
12"	1"	16064	—

* U.S. Patent No. 5,271,547

Mounted Saws

For maximum accuracy and safety in high-speed cutting, Tunco's one-piece precision blades with integral shank are specifically designed for use with air grinders and routing tools. Specify cutting action when ordering with a letter "B" for coarse (24-grit), or "A" for medium (36-grit). Other saw configurations and grit sizes available on special order. Contact Factory.

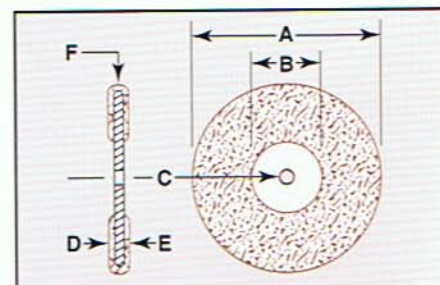
Blade Diameter	Shank Diameter	Cutting Depth	Part Number
1"	1/4"	1/4"	16069
1"	3/8"	1/4"	16118
1 1/2"	1/4"	7/16"	16070
1 1/2"	3/8"	7/16"	16119
2"	3/8"	7/16"	16120
3"	1/2"	3/4"	16121



Sander/Saw Blades

The ultimate in productivity. The Sander/Saw blade does both cutting and sanding. Use with either bench type or portable disc sanders, or circular saws. Other grit sizes and combinations available on special order. Contact factory.

Diameter			Grit Size			Part Number
A	B	C	D	E	F	
8"	3"	5/8"	36	80	36	15453
10"	4 1/2"	1"	36	36	24	15454



Cutting Products

"Precision-Kut™" Hole Saws*

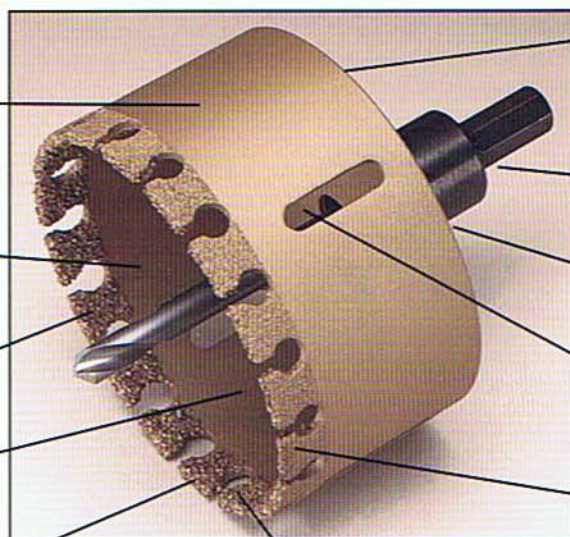
Unique 1-piece design is precision machined from solid steel. No weld seams that can crack or break.

Heavy duty circumference wall maximizes cutting accuracy and hole concentricity.

"Flat-Tooth" design protects gel coats and other sensitive surfaces from cracking or chipping.

"Deep Pocket" 1½" cutting depth.

Sharp, durable tungsten carbide grit cutting edge produces fast cutting action and long tool life.



Heavy duty back wall adds to structural integrity and durability.

Accepts ½"-20 standard arbors. (sold separately)

Machined "Flats" for easy removal from arbor.

Knock-out slots provide quick access for core ejection.

Fine grit "Side-Sander" feature leaves smoother, cleaner holes.

Course grit "Core Grinder" feature reduces core diameter for easier removal.

*Contact factory for available sizes.

Two-Piece Hole Saws

Uniquely designed for fast core removal. Hole saw engages into rugged, all-steel adapter with 3 hidden built-in pins. Disengage with a slight twist and cores fall out of the top. Adapter has ½"-20 threads for arbors (sold separately).



Hole Size	Hole Saw Part No.	Adapter Part No.	Hole Size	Hole Saw Part No.	Adapter Part No.
1"	18010-A	18009-A	2¼"	18010-F	18009-F
1¼"	18010-B	18009-B	2½"	18010-G	18009-G
1½"	18010-C	18009-C	2¾"	18010-H	18009-H
1¾"	18010-D	18009-D	3"	18010-I	18009-I
2"	18010-E	18009-E	3¼"	18010-J	18009-J

Tunco can also apply a tungsten carbide grit coating so to your conventional hole saw. Contact factory for details and pricing.

Cutting Products Accessories



Hole Saw Arbor w/Pilot Drill
(has ½"-20 thread)

Shank Size (Hex)	Part Number
¼"	16058
⅜"	16059
7/16"	16060



Arbor Hole Reducer Bushing

Reduction	Part Number
⅝" - ½"	16493
1" - ⅝"	16494
1" - ¾"	16495



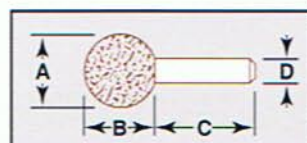
Arbor/Screw Assembly-Adapts
1"-4" circular blades for rotary tools

A Diameter	B Diameter	Part Number
¼"	½"	16491
⅜"	¾"	16492

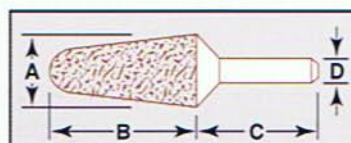
Rotary Burrs

Tunco Tungsten Carbide Grit burrs last many times longer than high-speed steel burrs for reduced downtime and tool costs. Ideal for flash removal, trimming, or routing. To specify grit surface when ordering, use letter "B" for coarse (24-grit), "A" for medium (36-grit), or "C" for fine (60-grit), in the part numbers below. Custom burr and router bit shapes also available to your specifications and dimensions. Contact factory.

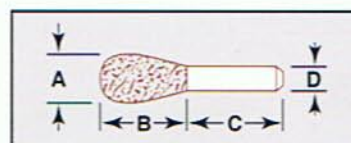
Part No.	Description	A	B	C	D
15579 15580	Round Nose	1/4" 3/8"	1 1/2"	1"	1/4" 3/8"
15581 15582	Pointed Nose	1/8"	1 1/2"	1"	1/4" 3/8"
15583 15584	Barrel Nose	5/8" 3/4"	1"	1"	1/4" 3/8"
15585	Needle Nose	1/8"	1 1/4"	1"	1/4"
11941	Type 1: Tree-Radius End	3/4"	1"	1"	1/4"
11942	Type 2: Tree-Pointed End	3/4"	1"	1"	1/4"
11943	Type 3: Oval	1/2"	7/8"	1"	1/4"
11944	Type 4: Taper-Radius End	3/4"	1 1/2"	1"	1/4"
11945	Type 5: Ball	3/4"	3/4"	1"	1/4"



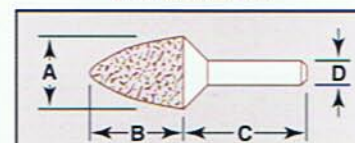
Ball



Taper-Radius End



Oval

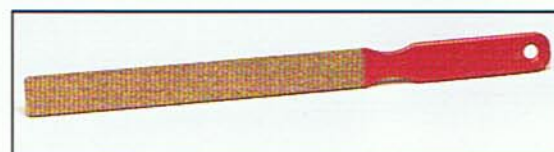


Tree-Pointed End

Hand Files

A must for any non-metallic filing or shaping . 14" overall length by 1" width. Comes with *easy-grip* plastic handle. Other grit sizes or combinations available on special order. Contact factory.

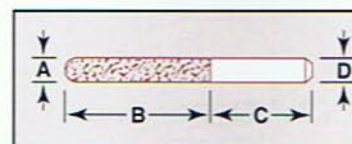
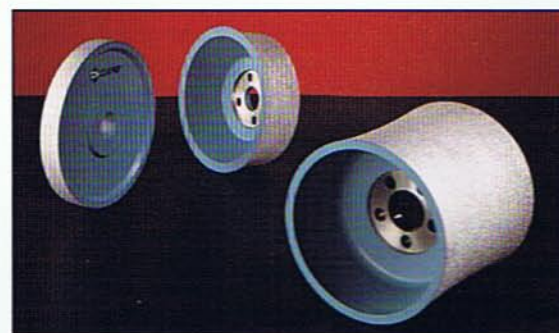
Description	Grit Size – Front/Back	Part No.
Combination	24/24	15578
Heavy-Duty	46/80	15923



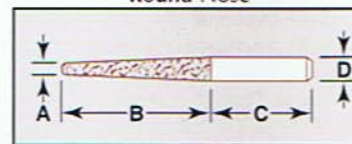
Wheels

For fast and precise grinding, shaping or finishing specify sharp Tungsten Carbide Grit or our long-lasting *Di-Carb™* abrasive surface. Tunco provides in-house engineering and computer-aided design services along with the latest CNC machining technology to produce wheels to your exact specifications.

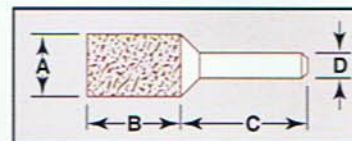
Complete reconditioning and re-coating services also available on your structurally sound, steel-based wheels. Contact factory for further details and pricing.



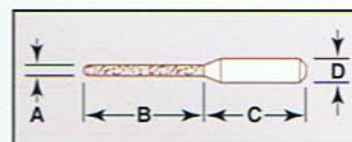
Round Nose



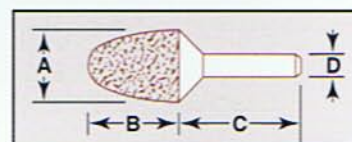
Pointed Nose



Barrel Nose



Needle Nose



Tree-Radius End

Sanding Products

Sleeves

Tunco sleeves can outlast paper sleeves 50 to 1. No lapped edges to come apart. No splitting and tear-off is eliminated. Excellent for flash removal, deburring, shaping, sanding, and hole sizing. Designed for use on air tools, portable electric drills, bench grinders, or drill presses. Use with Tunco rubber drums (sold separately). Other grit sizes available on special order. Contact factory.



Size	1" x 1"	1" x 1½"	1½" x 1½"	2" x 1½"	3" x 1"	3" x 2"	3 x 3"
Grit Size	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
60	16014 A	16015 A	16016 A	16017 A	11955 D	11956 D	11957 D
36	16014 B	16015 B	16016 B	16017 B	11955 E	11956 E	11957 E
24	16014 C	16015 C	16016 C	16017 C	11955 F	11956 F	11957 F

Rubber Drums

Precision ground and expandable for a secure fit. All shank diameters are 1/4" except 1/2" on 3" drum.

Drum Size:	1" x 1"	1" x 1½"	1½" x 1½"	2" x 1½"	3" x 1"	3" x 2"	3" x 3"
Part No:	16042	16048	16043	16044	16046	16047	16045

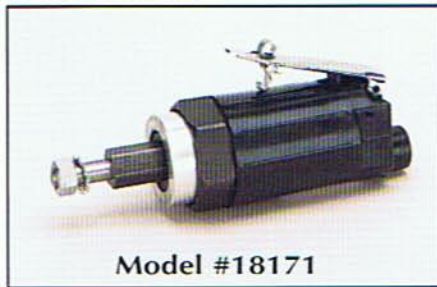
Discs and Sheets

Long lasting discs and sheets are available in 5 standard grit sizes to suit any flat surface work. All discs have a universal star arbor hole for secure mounting and easy removal. Rubber backing pads (sold separately) support entire disc area. Heavy duty pads (illustrated below) have molded air scoops for cooler operation, and a disc center nut with a 5/8"-11 thread to fit all major brands of sanders. Use light duty pads for electric drills with a 1/4" chuck or larger. Orbital sheets are designed to fit any 7" or 9" platen on an orbital or straight line sander. Widths are 3 5/8" and 4 1/2" respectively. Hand sanding blocks are lightweight with an easy-grip design to minimize operator fatigue.



Sanding Disc				Backing Pad		Center Nut	Orbital Sheets			Hand Sanding Block	
Diameter	Arbor Hole	Grit Size	Part Number	Part Number	Duty Cycle	Part Number	Actual Length	Grit Size	Part Number	Part No. 17113 (includes 10505C)	
5"	3/8"	24	15444 B	16100	Light	not req.	9"	24	12499 E	Replacement Sheets (2 3/4" x 7")	
		46	15444 A					46	12499 A		
		60	12140 B					60	12499 B		
		80	12140 C					80	12499 C		
		150	12140 D					150	12499 D		
6"	3/8"	24	18020 F	16486	Heavy	16103	11"	24	16137 E	Grit Size	Part Number
		46	18020 E					46	16137 A	46	10505 A
		60	18020 B					60	16137 B	60	10505 B
		80	18020 C					80	16137 C	80	10505 C
		150	18020 D					150	16137 D	150	10505 D
6"	13/16"	24	15445 B	16101	Heavy	16103					
		46	15445 A								
		60	12141 B								
		80	12141 C								
		150	12141 D								
7"	13/16"	24	15446 E	16102	Heavy	16103					
		46	15446 A								
		60	15446 B								
		80	15446 C								
		150	15446 D								

Grinders



Model #18171

Lightweight body design with easy access throttle. Tools mount on a $\frac{3}{8}$ "-24 thread spindle, or use optional 3-jaw chuck. Chucks available in $\frac{1}{4}$ " (Part #18173) and $\frac{3}{8}$ " (Part #18174).



Model #18056

Reduce operator fatigue with this well balanced, lightweight, aluminum bodied unit. Accepts $\frac{1}{4}$ " arbors.



Model #18224

Tasks are accomplished more quickly with this high speed, heavy-duty model. Easily handles just about any job. Equipped with $\frac{1}{4}$ " collect.

Saws

Ergonomically designed, Tunco air saws feature a heavy-duty blade guard handle for two-handed operation and greater control during cutting. Guards are retractable with built-in guides and adjustable to vary cutting depth.

Model 18067 vacuum saw helps control harmful irritating dust in the workplace. I.D. of hose outlet is $1\frac{1}{4}$ ". Hose not included.

Both saws have heavy-duty rear exhaust motors, $\frac{3}{8}$ " arbors, and are shipped complete with a 4" Tunco General Purpose Blade with medium grit.



Model #18228



Model #18067

Air Tool Operation and Performance Specifications

	# 18171	# 18056	# 18224	# 18228 # 18067
RPM	20,000	22,000	23,000	23,000
Tool Size	6 $\frac{1}{2}$ " x 1 $\frac{3}{4}$ "	6 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	7 $\frac{3}{4}$ " x 1 $\frac{3}{4}$ "	7 $\frac{3}{4}$ " x 1 $\frac{3}{4}$ " 6 $\frac{1}{2}$ " x 6 $\frac{1}{4}$ " (Guard)
Weight	1 $\frac{1}{2}$ lbs.	1 $\frac{1}{4}$ lbs.	1lb., 15 oz.	4 lbs.
Exhaust	Front	Rear	Rear	Rear
Recommended Air Pressure	90 PSI Max.	90 PSI Max.	90 PSI Max.	90 PSI Max
Air Consumption	4 CFM	12 CFM	15.2 CFM	15.2 CFM
Horsepower	.25 HP	.5 HP	.8 HP	.8 HP
Air Line Inlet	$\frac{1}{4}$ " (NPTF)	$\frac{1}{4}$ " (NPTF)	$\frac{1}{4}$ " (NPTF)	$\frac{1}{4}$ " (NPTF)
Lever Lock Throttle	YES	YES	YES	YES
Speed Regulator	NO	YES	YES	YES

Please Follow All Recommended Safety Precautions

Tunco Manufacturing, Inc.

4300 Thurmond Tanner Road / P.O. Box 429 / Flowery Branch, Georgia 30542
(770) 967-2600 / Fax (770) 967-3472

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