

DOTCO

9,000 – 34,000 RPM

0.3 – 1.7 hp (0.22 – 1.27 kW)

- Patent pending governed design allows the tool to idle for long life but provides full power under load
- Roll valve gives easy, convenient operation

*Router guides not included.



Model Number			Free Speed rpm	Type Housing	Shank Diameter Capacity	Weight		Length		Air Inlet Size
Front Exhaust	Side Exhaust	Rear Exhaust				lbs.	kg	in.	mm	
12-10 Series – 0.3 hp (.22 kW)										
12L1001-36RT			34,000	C	1/4"	1.4	0.6	6.7	170	1/4"
12L1000-36RT			30,000	C	1/4"	1.4	0.6	6.7	170	1/4"
12-20 Series – 0.6 hp (.45 kW)										
12L2000-01RT			25,000	C	1/4"	1.9	0.9	7.5	191	1/4"
12L2001-01RT•			20,000	C	1/4"	1.9	0.9	7.5	191	1/4"
12-25 Series – 0.9 hp (.67 kW)										
12L2500-01RT			23,000	C	1/4"	2.6	1.2	7.1	180	1/4"
			18,000	C	1/4"	2.6	1.2	7.1	180	1/4"
			23,000	C	3/8"	2.6	1.2	7.1	180	1/4"
			18,000	C	3/8"	2.6	1.2	7.1	180	1/4"
12-40 Series – 1.7 hp (1.27 kW)										
12L4018-01•			18,000	C	1/4"	4.2	1.9	11.3	287	1/2"
10-43 Series – 1.7 hp (1.27 kW) – Base Mount										
10T4318-62•			18,000	A	3/8"	7.4	3.4	7.1	180	1/2"
10T4316-62•			16,000	A	3/8"	7.4	3.4	7.1	180	1/2"
10T4309-62•			9,000	A	3/8"	7.4	3.4	7.1	180	1/2"
11-43 Series* – 1.7 hp (1.27 kW) – Mountable Motor Unit										
11T4318-62•			18,000	A	3/8"	5.5	2.5	7.1	180	1/2"

Housing Guide: A=Aluminum, C=Composite, S=Steel
 *NOTE: The 11-43 series is the power unit of the 10-43 series.
 • Oilless blades

General:

Minimum Hose I.D.– 12-10 Series: 1/4" (6.4mm)
 12-20, 12-25 Series: 5/16" (7.9mm)
 12-40,10-43, 11-43 Series: 1/2" (12.7mm)

All tools performance rated @ 90psi (620 kPa) air pressure.

Standard Equipment:

Collet, applicable wrenches

Extra Equipment:

Collets: See page 24
 Overhose (rear exhaust): See page 61

Attachment Guides: See pg. 50

12-10



Router Accessories 氣銑機配件

Router Assemblies

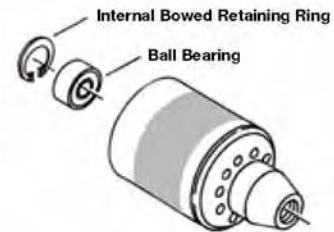
For use with Dotoo 12-10, 12-20 and 12-25 series.

Tool Series	Cutter Shank Capacity	Part Number					
		Complete Attachment	Nose Housing	Bearing	Ring	Lock Nut	Router Housing
12-10	1/4"	14-2187	14-2176	14-0508	1098	14-2082	14-1180
12-20/12-25	1/4"	14-2180	14-2176	14-0508	1098	14-2082	14-2080
12-20/12-25	3/8"	14-2429	14-2426	14-0533	1068	14-2082	14-2080
12-12/12-22/12-27	1/4"	7197		14-0508	1098	N/A	N/A



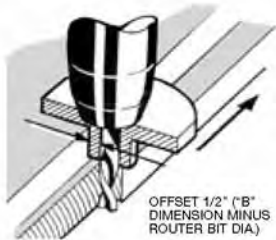
For use with Dotoo 12-40 series.

Tool Series	Cutter Shank Capacity	Part Number		
		Nose Housing	Bearing	Retaining Ring
12-40	1/4"	4272	14-0508	1098
12-40	3/8"	4263	14-0533	1068



Router Guides

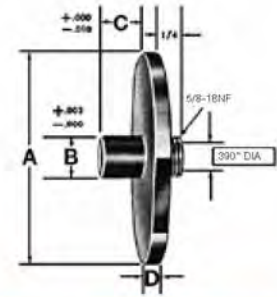
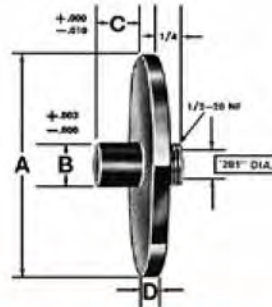
For use on Dotoo 12-10, 12-20, 12-20, 12-25 and 12-40 series.



The minimum router bit length (OAL) to be used is determined by the formula:
 $OAL = 1-13/16" + C + P$ (series 12-10);
 $OAL = 2" + C + P$ (series 12-20 & 12-25). "C" is the "C" dimension of the router guide and "P" is the desired protrusion of the router bit.

Important: Insert bit into collet as far as possible, then pull out 1/16" and tighten collet.

In an emergency, if it is necessary to pull out the bit more than 1/4", be sure to insert a short length of blank shank (not to exceed 5/8" long) in the bottom of the collet before inserting the bit.

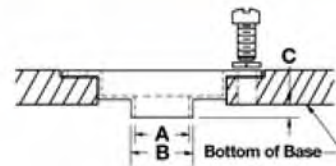


Part Number	Dimensions (in.)			
	A	B	C	D
For Router Bits with 1/4" Shanks				
14-2703	3/4	3/8	1/2	1/8
14-2400	1	3/8	1/8	1/8
14-2401	1	3/8	1/4	1/8
14-2402	1	3/8	3/8	1/8
14-2406	1	7/16	1/8	1/8
14-2407	1	7/16	1/4	1/8
14-2408	1	7/16	3/8	1/8
14-2411	1	1/2	1/4	1/8
14-2412	1	1/2	1/2	1/8
14-2413	1	1/2	5/8	1/8
14-2414	1	1/2	3/4	1/8
14-2417	1	9/16	1/8	1/8
14-2420	1	5/8	1/8	1/8
14-2421	1	5/8	5/8	1/8
14-2500	1 1/2	3/8	1/8	1/8
14-2501	1 1/2	3/8	1/4	1/8
14-2502	1 1/2	3/8	3/8	1/8
14-2505	1 1/2	7/16	1/8	1/8
14-2506	1 1/2	7/16	1/4	1/8
14-2507	1 1/2	7/16	3/8	1/8
14-2510	1 1/2	1/2	1/4	1/8
14-2511	1 1/2	1/2	3/8	1/8
14-2512	1 1/2	1/2	1/2	1/8
14-2600	2 1/2	1/2	1/2	3/16

Part Number	Dimensions (in.)			
	A	B	C	D
For Router Bits with 3/8" Shanks				
14-2531	1 1/2	1/2	3/8	1/8
14-2538	1 1/2	1/2	1/2	1/8
14-2539	1 1/2	1/2	5/8	1/8
14-2540	1 1/2	9/16	3/8	1/8
14-2541	1 1/2	9/16	1/2	1/8
14-2542	1 1/2	9/16	5/8	1/8
14-2893	1 1/2	5/8	3/8	1/8
14-2925	1 1/2	5/8	1/2	1/8
14-2544	1 1/2	5/8	5/8	1/8
14-2240	2 1/2	1/2	3/8	1/8
14-2632	2 1/2	1/2	1/2	1/8
14-2633	2 1/2	1/2	5/8	1/8
14-2634	2 1/2	9/16	3/8	1/8
14-2630	2 1/2	9/16	1/2	1/8
14-2635	2 1/2	9/16	5/8	1/8
14-2243	2 1/2	5/8	3/8	1/8
14-2636	2 1/2	5/8	1/2	1/8
14-2631	2 1/2	5/8	5/8	1/8

Dotco 10-43 Series Router Template Guides

Part Number	Dimensions in Inches			For Use w/Router Bits Up To:
	A	B	C	
14-4019	5/16	3/8	3/16	1/4"
14-4020	3/8	7/16	5/16	5/16"
14-4021	9/16	5/8	3/16	1/2"



Rivet Trimmer Attachment

For use on Dotco 12-12 series front or rear exhaust collet models. Trims "pop" or "blind" rivets up to 3/16" diameter, also suitable for shaving small welds. Micrometer adjustment controls height of cut to .001". Runner pads minimize scratching of the work surface.

Part No.	Diameter	Shank	Length	Description	Recommended Use
Trimmer					
14-1723					
Cutters					
14-1732	3/4"	1/4"	1 7/8"	Inverted Cone, carbide	Steel Rivets
14-1332	1/2"	1/4"	1 7/8"	Cylindrical, carbide	Shaving welds



Two Handed Router Base

Use with front or rear exhaust collet models.

Two handed control for router applications. Easy depth adjustment. Can also be used with 10-43 template guides. Cutters: 14-2442 (combination flush/bevel 22°)

Part Number	Series
14-1577	Dotco 12-10 Series
14-2577	Dotco 12-20 & 12-25 Series



Laminate Trimmer Attachment

Part Number	Series
14-1178	Dotco 12-10 Series
14-2178	Dotco 12-20 & 12-25 Series



DOTCO®

9,000 – 34,000 RPM

0.3 – 1.7 hp (0.22 – 1.27 kW)



136 Series Band Saw

- Variable Speed Control
- Adjustable Handle
- Lock-off Lever Start



Model Number				Free Speed rpm	Saw Blade Capacity	Maximum Depth of Cut*	Weight		Length		Air Inlet Size
Front Exhaust	Side Exhaust	Rear Exhaust	Vacuum				lbs.	kg	in.	mm	
12-20 Series – 0.6 hp (0.45 kW) – Oscillating – Inline											
			12L2065-90•	14,000	2 1/2"	9/16"	2.1	1.0	8.9	226	1/4"
12-22 Series – 0.6 hp (0.45 kW) – Oscillating – Right Angle											
			12L2240-90•	14,000	2 1/2"	9/16"	2.3	1.0	10.9	277	1/4"
12-12 Series - 0.3 hp (0.22 kW)											
			12S1283-02	20,000	2"	7/16"	1.3	0.6	7.1	180	1/4"
			12S1288-02	2,400	2"	7/16"	1.6	0.7	8.9	226	1/4"
			12S1274-03 (Vac Ready)	20,000	2"	7/16"	2.3	1.0	7.1	180	1/4"
			12S1273-03 (Vac Ready)	12,000	2"	7/16"	2.3	1.0	7.1	180	1/4"
12-27 Series - 0.9 hp (0.67 kW)											
			12S2794-01	4,700	2 1/2"	9/16"	4.6	2.1	13.2	335	1/4"
			12S2792-01	940	2 1/2"	9/16"	5.6	2.5	15.0	381	1/4"
			12S2794-02	4,700	3 3/8"	1"	5.2	2.4	14.5	368	1/4"
			12S2792-02	940	3 3/8"	1"	6.2	2.8	16.2	411	1/4"
			12S2749-01	11,000	3 3/8"	1"	4.8	2.2	11.4	290	1/4"
			12S2774-02 (Floor bag)	7,000	3 3/8"	1"	6.5	2.9	14.1	358	1/4"
12-42 Series - 1.7 hp (1.27 kW)											
			12S4218-01•	8,600	4"	1"	7.9	3.6	15.5	394	1/2"
			12S4216-01•	5,800	4"	1"	7.9	3.6	15.5	394	1/2"
			12S4225-03• (Vac Adapt)	8,500	4"	1"	9.2	4.2	17.0	432	1/2"
			12S4225-02 (Floor bag)	8,500	4"	1"	9.2	4.2	17.0	432	1/2"

*NOTE: Maximum depth of cut is based on maximum saw blade capacity.

Vacuum conversion kits for standard models see pg. 55

General:

Minimum Hose I.D.– 12-12 Series: 1/4" (6.4mm)
 12-20,12-22, 12-25, 12-27 Series: 5/16" (7.9mm)
 12-42 Series: 1/2" (12.7mm)

All tools performance rated @ 90psi (620 kPa) air pressure.

Standard Equipment:

Applicable wrenches, oilless blades (•)
 12-27 & 12-42 Series: 3/4" Arbor adapter.

Extra Equipment:

Overhose (rear exhaust): See page 61
 Blades: See pg. 54

Arbor Adapters (12-7 Models): Order 14-2596 and 14-2597 to adapt to 3/4" arbor hole saw blades.

Optional Equipment:

12-27 & 12-42 Arbor adapters: May be substituted on request:
 1/2" arbor hole – 2 spacers (14-2575)
 5/8" arbor hole – bushing (14-2574)
 7/8" arbor hole – bushing (14-2576)
 1" arbor hole – bushing (14-2572)

Model	Cutting Capacity		Blade Capacity		Length		Height		Width		Weight			
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg		
136 Series Band Saw – .75 hp (.56 kW)														
136BSV-4	4.8	122	44	7/8 x 1/2 x .02	1140	x 12.7 x .5	22.25	565	7.0	178	8.3	211	12.5	5.7

General:

Air Inlet: 1/4" NPTF
 Minimum Hose Size: 1/4"
 Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

Operating instructions and service manual
 18 teeth/in. blade: 204271

Optional Equipment:

24 teeth/in. blade: 204272

Saw Accessories 氣鋸配件



Part Number	Diameter	Type	Maximum Depth & Width of Cut	Maximum rpm	Recommended Use (Guidelines only)
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Saw Blades – 1/4" arbor hole

14-1875	1 1/4"	High Speed Steel 22 Teeth	3/32" x 1/16"	12,000	Aluminum, Laminated Plastics, Pressed Board, Wood
14-0930	1 1/4"	High Speed Steel 44 Teeth	3/32" x 1/16"	12,000	Aluminum, Laminated Plastics, Pressed Board, Wood
14-1895	1 1/2"	High Speed Steel 22 Teeth	7/32" x 1/16"	12,000	Aluminum, Laminated Plastics, Pressed Board, Wood
14-1890	2"	High Speed Steel 22 Teeth	7/16" x 1/16"	12,000	Aluminum, Laminated Plastics, Pressed Board, Wood
14-1891	2"	High Speed Steel 44 Teeth	7/16" x 1/16"	12,000	Aluminum, Laminated Plastics, Pressed Board, Wood
14-1892	2"	High Speed Steel 60 Teeth	7/16" x 1/16"	12,000	Aluminum, Laminated Plastics, Pressed Board, Wood
14-1396*	1 1/2"	Carbide Chip 36/80 Grit	7/32" x 3/32"	20,000	Fiberglass, Rubber
14-1395*	2"	Carbide Chip 36/80 Grit	7/16" x 3/32"	20,000	Fiberglass, Rubber
14-1398*	1 1/2"	Diamond Chip 40/60 Grit	7/32" x 5/64"	20,000	Fiberglass, Rubber
14-1400*	2"	Diamond Chip 40/60 Grit	7/16" x 5/64"	20,000	Fiberglass, Rubber, Carbon Fiber

*CAUTION: Use only for sawing non-metallic materials.

Part Number	Diameter	Type	Maximum Depth of Cut	Use With Model	Recommended Use Up To (Guidelines only)
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Saw Blades – 7/16" arbor hole

14-2147	2 1/2"	High Speed Steel 44 Teeth	9/16"	12S2794-01	1/4" Aluminum, 1/2" Plywood, 1/2" Phenolic
14-2146	2 1/2"	High Speed Steel 80 Teeth	9/16"	12S2793-01	16 Gauge Steel
14-2928	3 3/8"	High Speed Steel 60 Teeth	15/16"	12S2794-02	1/4" Aluminum, 1/2" Plywood, 1/2" Phenolic
14-2929	3 3/8"	High Speed Steel 80 Teeth	15/16"	12S2792-02	20 Gauge Steel, Paneling, Plywood
14-1887	2"	High Speed Steel 22 Teeth	7/16" x 1/16"	12S1288-04	Aluminum, Laminated Plastics, Pressed Board, Wood
14-1888	2"	High Speed Steel 44 Teeth	7/16" x 1/16"	12S1288-04	Aluminum, Laminated Plastics, Pressed Board, Wood
14-1889	2"	High Speed Steel 60 Teeth	7/16" x 1/16"	12S1288-04	Aluminum, Laminated Plastics, Pressed Board, Wood

Part Number	Diameter	Type	Maximum Depth & Width of Cut	Recommended Use (Guidelines only)
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Saw Blades – 3/4" arbor hole

14-2701*	4"	Carbide Chip 36/80 Grit**	1" x 1/8"	Fiberglass, Hard Rubber
14-2694*	4"	Carbide Chip 36 Grit	1" x 11/64"	Hard Rubber
14-2697*	4"	Carbide Chip 80 Grit	1" x 1/8"	Fiberglass
14-2699*	4"	Carbide Tip 20 Teeth	1" x 7/64"	Thin Fiberglass, Plastic Laminates to 1/8" thick
14-2700*	4"	Carbide Tip 20 Teeth	1" x 7/64"	Thicker Fiberglass, Plastic Laminates to 1/2" thick
14-2710	4"	Carbide Tip 20 Teeth	1" x 7/64"	Thin non-ferrous material (to approx. 1/8" thick)
14-2711	4"	Carbide Tip 12 Teeth	1" x 7/64"	Thicker non-ferrous material (to approx. 1/2" thick)
14-2690*	4"	Diamond Chip 60/80 Grit	1" x 5/64"	Fiberglass, Composite, Carbon Fiber

*CAUTION: These carbide chip and tip and diamond blades are not to be used on metallic materials.

**Slim blade for easy cutting of fiberglass, with minimum dust -36 grit on periphery and 80 grit on the sides.



14-1742

Part Number	Diameter	Type	Maximum Depth & Width of Cut	Recommended Use (Guidelines only)
Saw Blades – Dotco oscillating saws with 3/8" arbor hole				
14-1740*	2"	Carbide Chip 36/80 Grit	7/16" x 3/32"	Fiberglass
14-1741*	2"	Diamond Chip 40/60 Grit	7/16" x 5/64"	Fiberglass, Carbon Composites
14-1742	2 1/2"	Stainless Steel 124 Teeth	9/16" x 3/64"	Wood, Uncured or Cured Composites, Aluminum, Plastic
14-1746	2 1/2"	Flush Stainless 124 Teeth	9/16" x 3/64"	Wood, Uncured or Cured Composites, Aluminum, Plastic
14-1743	2 1/2"	Carbide 120 Teeth	9/16" x 1/16"	Cured Graphic Composites
14-1744	2 1/2"	Razor	9/16" x 3/64"	Cardboard, Light Plastic
14-1745	2 1/2"	Stainless Steel 120 Teeth	9/16" x 3/64"	Confined Space
14-1747	3"	Razor	9/16" x 3/64"	Cardboard, Light Plastic

*Use only for sawing non-metallic materials.



Vacuum Conversion Kits

Dotco 12-27 series

To convert an existing Dotco front exhaust series 12-27 saw to Vacuum operation, order any of the conversion kits listed in the table. Refer to the Vacuum Ready models listed on page 101 as a guideline to selection. NOTE: When converting to vacuum, free speed of the tool will be reduced 20%.

Part Number	Converts front exhaust to this configuration
2704	Option 1 – Porta Bag
2705	Option 2 – Floor Bag
2729	Option 3 – Vacuum System Adapter

Dotco 12-42 series

To convert an existing Dotco front exhaust series 12-42 saw to Vacuum operation, order any of the conversion kits listed in the table. Refer to the Vacuum Ready models listed on page 102 as a guideline to selection. NOTE: When converting to vacuum, free speed of the tool will be reduced 20%.

Part Number	Converts front exhaust to this configuration
4131	Option 1 – Porta Bag
4132	Option 2 – Floor Bag
4133	Option 3 – Vacuum System Adapter

Cleco®

SC Series Triple Scaler

- Piston Type



SC-3A

Model Number	Bore		Stroke		Blows Per Minute	Length		Weight		
	in.	mm	in.	mm		in.	mm	in.	mm	
SC3A Series Triple Scaler										
SC 3A	0.88	22	0.81	21	5200	13.3	338	7.9	3.6	

General:

Air Inlet: 3/8" NPT
 Minimum Hose Size: 3/8"
 Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

Operating instructions & service manual

Cleco®

F Series Riveters

- For driving 1/8"-1/4" (3-6mm) rivets
- Standard beehive retainer
- Built-in air regulator controls power output
- Spool valve for precise speed control



F4-PT-RT

Model Number	Bore		Stroke		Blows Per Minute	For Use With Rivet Set Shank Dia.		Length		Weight	
	in.	mm	in.	mm		in.	mm	in.	mm	lbs.	kg
F Series Riveters – Round Taper Nose – Pistol Grip											
F4-PT-RT-B	0.56	14	4.0	102	1700	.401	10.2	8.7	222	3.3	1.5

General:

Air Inlet: 1/4" NPTF;
 Minimum Hose Size: 1/4"
 Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

Operating instructions & service manual

Cleco®

CH-30, CH4 Series Chipping Hammers

- Heavy duty for rugged use
- Ring valve hard hitting hammer
- Forged steel hammer
- Heat treated cylinder & piston for reduced wear
- Replaceable bushing



CH-30-RD

CH4-30-RD

Model Number		Retainer Type	Bore		Stroke		Blows/Minute	Length*		Weight*	
Round Nose	Hex Nose		in.	mm	in.	mm		in.	mm	lbs.	kg
CH-30 Series Chipping Hammers – Pistol Grip Handle											
CH-30-RD	CH-30-HX	Standard	1 1/8	28.5	2 1/2	64	2200	17.7	450	15.0	6.8
CH-30-RD-QC	CH-30-HX-QC	Quick Change	1 1/8	28.5	2 1/2	64	2200	17.7	450	15.0	6.8
CH4 Series Chipping Hammers – 4 Bolt Spade Handle											
CH4-30-RD		Standard	1 1/8	28.5	2 1/2	64	2000	15.7	398	18.4	8.4
CH4-30-RD-QC		Quick Change	1 1/8	28.5	2 1/2	64	2000	15.7	398	18.4	8.4

*Less chisel

General:

Air Inlet: 3/8" NPT. Minimum Hose Size: 1/2" (12.7mm)
 Air Consumption CH-30: 31.5 cfm; CH4: 28.2 cfm
 Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

Operating instructions & service manual



B1-CNB-LT-RD

Cleco®

B1, BR Series Needle Scalers

- Built-in Chisel Retainer
- Front Exhaust
- Lever Start
- Needle Type



B1-CNB-LT-RD-K

Model Number	Type	Bore		Stroke		Blows/Minute	Length*		Weight*	
		in.	mm	in.	mm		in.	mm	lbs.	kg

B1 Series Needle Scalers – Lever Start

B1-CNB-LT-RD	Needle	1.0	25	1.1	28	4600	15.0	381	6.3	2.9
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B1 Series Needle Scalers – Lever Start Kit**

B1-CNB-LT-RD-K	Needle	1.0	25	1.1	28	4600	15.0	381	6.3	2.9
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* Length and weight include needles.**Specs are for tool only

General:

Air Inlet: 1/4" NPTF

Minimum Hose Size: 5/16"

Tool performance rated at 90 psi (620kPa) air pressure.

Note: Kit includes tool, whip hose, extra set of needles, two chisels, extra chisel retainer, retainer parts and metal case.

Standard Equipment:

Operating instructions & service manual

Optional Equipment:

Additional Accessories: Page 60



BR-C-LT

B1-C-PT

Cleco®

B1, BR Series Chisel Scalers

- Built-in Chisel Retainer
- Lever & Push-Pull Start Models
- Chisel Type

Model Number	Type	Bore		Stroke		Blows Per Minute	Length*		Weight*	
		in.	mm	in.	mm		in.	mm	lbs.	kg

B1 Series Chisel Scaler – Push-Pull Start

B1-C-PT	Chisel	1.0	25	1.1	28	4600	12.0	305	4.3	2.0
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B1 & BR Series Chisel Scalers – Lever Start

B1-C-LT	Square Chisel	1.0	25	1.1	28	4600	10.3	262	4.3	2.0
BR-C-LT	Round Chisel	1.0	25	1.1	28	4200	10.4	264	4.3	2.0

*Length and weight does not include chisel

General:

Air Inlet: 1/4" NPTF

Minimum Hose Size: 5/16"

Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

Operating instructions & service manual

Optional Equipment:

Additional Accessories: Page 60