

Parts Manual

45-8186EN

PL30-12R04

07/21/2015

DOTCO[®]

12R04 Series

0.1 HP Inline Pencil Grinder



For additional product information visit our website at <http://www.apextoolgroup.com>

Dotco®
Nomenclature

	12	R	04	XX	-	X	X
<u>Series</u>							
12 = Ergo Grinder							
<u>Throttle Type</u>							
R = Roll or Twist							
<u>Motor Size</u>							
04 = 0.1 hp							
<u>Collet Guard</u>							
00 = Short Collet Guard							
01 = Long Collet Guard							
<u>Overhose Length</u>							
1 = 1' (0.3M)							
2 = 2' (0.6M)							
3 = 3' (0.9M)							
4 = 4' (1.2M)							
<u>Collet Size</u>							
3 = 3.00 mm							
6 = 3/32"							
8 = 1/8"							

The original language of this manual is English.

Product Safety Information:

Intended Use:

This pneumatic grinder is to be used only for removing material by utilizing appropriate abrasive wheels, rotary files or other material removal cutting devices.

For additional product safety information refer to Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG document GS-2007, General Safety Pneumatic Grinders.



The grinder must not be modified in any manner unless approved in writing by Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG. All safety devices must be properly installed and maintained in good working order.

EC Declaration of Conformity:

We affirm that this machine is in accordance with the following EC regulations (2006/42/EC). Applied harmonized standards are ISO 12100:2010-11.

The name, job function and address of the person authorized to compile the technical file.

Mr. Vishnu Irigireddy
Director of Global R&D- Mechanical Engineering
Apex Tool Group
670 Industrial Drive
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I. V. Vishnu Varadhan

Signature: Vishnu Irigireddy

Date: July 21, 2015

Noise and Vibration:

12R04 Series Noise Level: ≤ 78 dB(A)

12R04 Series Vibration Level: < 2.5 m/s²

Air Line Lubrication:

Use Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG's lightweight air tool oil 500021 (available in quantities shown in the following chart) or an SAE-5 lightweight spindle oil.

Part No.	Packaged	Designation
540397	1 Quart (0.94 liter)	Airlube 10W/NR-420LB DR
533485	1 US Gallon (3.78 liter)	Airlube 10W/NR-420LB DR

Air Supply Line:

Parameter	Description
Air Hose	Minimum inside diameter: 1/8" (3,2 mm) Maximum length: 5.0' (1,5 m)
Air Pressure	Recommended: 90 psi (620 kPa)
Compressed air	Air quality according to ISO 8573-1, quality class 2.4.3 The compressed air must be clean and dry.

Service and Repair:

Tool service and repair should be performed by an authorized Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG Center. Refer to the last page of this manual for locations.

Disposal:



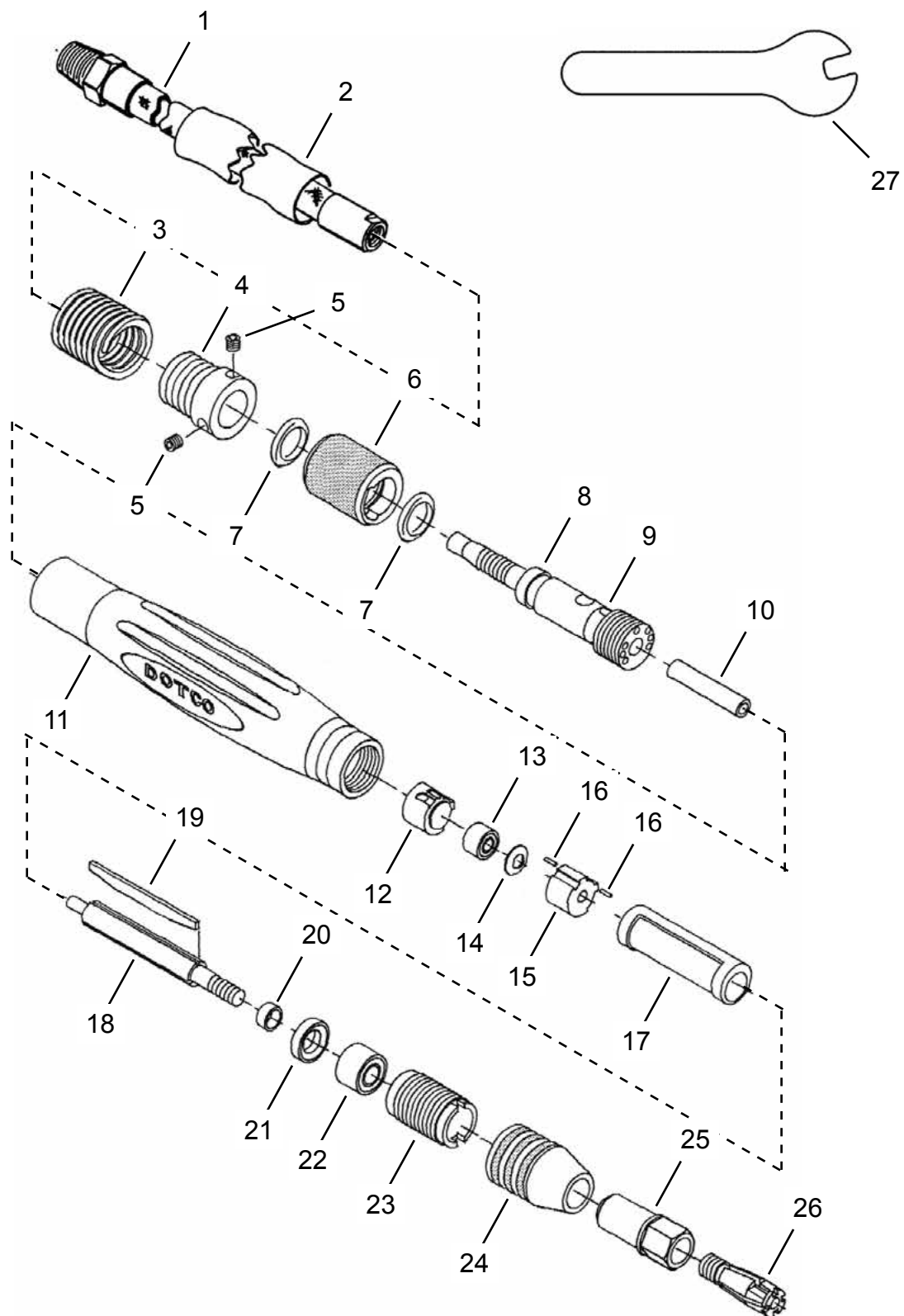
Observe local disposal guidelines for all components of this tool and its packaging.

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Dotco®
12R04 Inline Pencil Grinder

"A"



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Illustration "A"

Ref	Number	#	X	EN
				Description
1	45-0948	1		Whip Hose Assembly (3/16" x 5')
--	Table "A"	1		Overhose Assembly (includes Ref. 2-3)
2	Table "A"	1		Overhose
3	6061PT	1	1	Overhose Spring
4	01-0917	1		Exhaust Adapter
5	6057PT	1	2	Set Screw
6	01-0935	1		Roll Valve (includes Ref. 7)
7	6050PT	2	6	O-Ring
8	01-0929	1		Valve Body (includes Ref. 9)
9	954PT	1	2	Pin
10	948	1		Inlet Tube
11	01-6060	1		Housing
12	969	1		Manifold
13	510PT	1	2	Ball Bearing
14	949	1	2	Spring Washer
15	980PT	1		Rear Plate
16	1354	2	4	Locating Pin
17	989	1		Cylinder
18	982PT	1		Rotor
19	1343PT	3	9	Rotor Blade
20	977	1		Rotor Spacer
21	978PT	1		Spacer
22	548	1	2	Ball Bearing
23	967	1		Lock Ring
24	Table "A1"	1		Collet Guard
25	976PT	1		Collet Chuck
26	Table "A2"	1		Collet
27	14-0803	1		3/16" Wrench
	14-0822	1		11/32" Wrench

(#) Quantity

(X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

Table "A"

Ref.	Description	Overhose Length		
		1' (0.3M)	2' (0.6M)	4' (1.2M)
--	Termination Code	1	2	4
--	Overhose Assembly	45-6003	45-6002	45-6001
2	Overhose	45-0945S	45-0955S	45-0956S

Table "A1"

Ref.	Description	Qty.	12R0400	Qty.	12R0410
24	Collet Guard	1	917	1	916

Table "A2"

Ref.	Collet Size	Termination	Collet Number	
			12R0400	12R0410
26	3mm	-13	148	148
	3mm	-23	148	148
	3mm	-43	148	148
	3/32"	-16	102	102
	3/32"	-26	102	102
	3/32"	-46	102	102
	1/8"	-18	100	100
	1/8"	-28	100	100
	1/8"	-48	100	100

POWER TOOLS SALES & SERVICE CENTERS

Please note that all locations may not service all products.

Contact the nearest Apex Tool Group Sales & Service Center for the appropriate facility to handle your service requirements.

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