

Parts Manual

45-8164EN

PL30-1220

02/14/2012

OMEGA TECHNOLOGIES

DOTCO®

12-20 Series
Inline and Extended Grinders



For additional product information visit our website at:

<https://dotcotool.com/product-category/dotco-air-tools/dotco-grinders/dotco-inline-grinders/dotco-12-20-series-inline-grinders/>

	12	X	2	X	XX	-	XX	XX	OH												
Product Classification 12 = Ergonomic Grinder/Sander																					
Throttle Type L = Locking Lever S = Locking Lever																					
Motor Size 2 = 0.6 hp																					
Handle Style 0 = Straight 1 = Extended																					
Speed Options (RPM) <table border="0"> <tr> <td>Front Exhaust</td> <td>Rear Exhaust</td> </tr> <tr> <td>00 = 25,000</td> <td>80 = 25,000</td> </tr> <tr> <td>01 = 20,000</td> <td>81 = 20,000</td> </tr> <tr> <td>02 = 18,000</td> <td>82 = 18,000</td> </tr> </table>										Front Exhaust	Rear Exhaust	00 = 25,000	80 = 25,000	01 = 20,000	81 = 20,000	02 = 18,000	82 = 18,000				
Front Exhaust	Rear Exhaust																				
00 = 25,000	80 = 25,000																				
01 = 20,000	81 = 20,000																				
02 = 18,000	82 = 18,000																				
Termination Code 01 = 200 Series Collet 36 = 300 Series Collet (3-piece) 77 = Cone & Plug Wheel (2180 series)																					
Optional Collet (no extra cost) <table border="0"> <tr> <td>08 = 1/8"</td> <td>18 = 9/32"</td> <td>M6 = 6mm</td> </tr> <tr> <td>10 = 5/32"</td> <td>20 = 5/16"</td> <td>M8 = 8mm</td> </tr> <tr> <td>12 = 3/16"</td> <td>22 = 11/32"</td> <td></td> </tr> <tr> <td>14 = 7/32"</td> <td>24 = 3/8"</td> <td></td> </tr> </table>										08 = 1/8"	18 = 9/32"	M6 = 6mm	10 = 5/32"	20 = 5/16"	M8 = 8mm	12 = 3/16"	22 = 11/32"		14 = 7/32"	24 = 3/8"	
08 = 1/8"	18 = 9/32"	M6 = 6mm																			
10 = 5/32"	20 = 5/16"	M8 = 8mm																			
12 = 3/16"	22 = 11/32"																				
14 = 7/32"	24 = 3/8"																				
Overhose Option (extra cost) OH = Overhose (rear exhaust models only)																					

Dotco®
Description and Instructions

45-8164EN
02/14/2012

Language Version:

This Parts Manual is the ***“Original Instructions”*** intended for all persons who will use or repair these tools.

Product Identification:

Refer to the “Model Nomenclature” page in this document.

Noise and Vibration:

Refer to documents CE-1007DC and CE-1007TD.

General Description:

Air powered inline and extended grinders.

Intended Use:

These grinders are intended for material removal applications. Use only for their designated purpose. Do not use as a hammer, lever or other improper usage that can cause tool damage and operator injury.

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General Safety:

Refer to General Safety document, CE-2007 for general safety operating instructions for this equipment.

Lubrication:

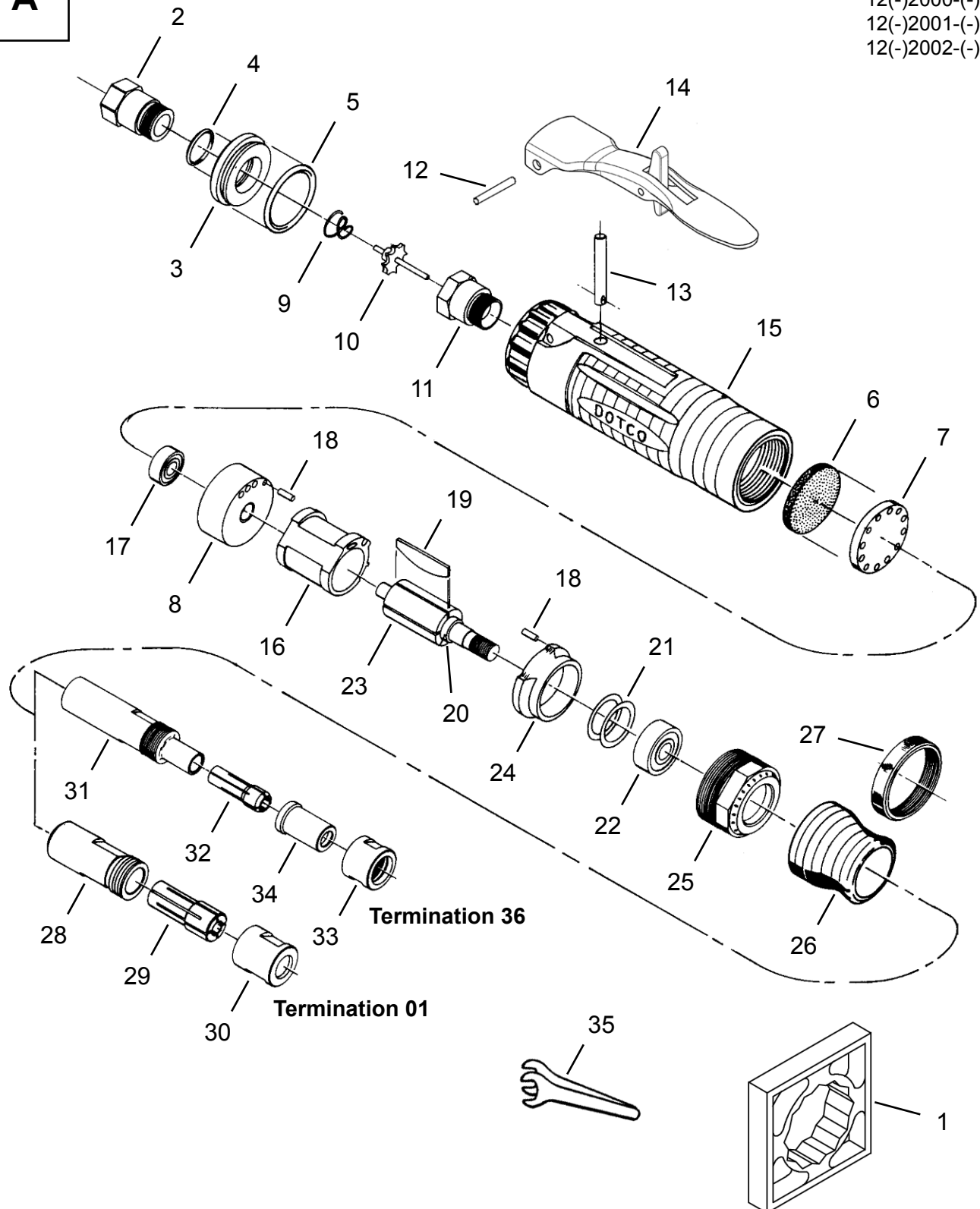
Refer to lubrication document, PL65-LUB, for general lubrication instructions.

Dotco®
Front Exhaust Grinders

"A"

Models

12(-)2000(-)
12(-)2001(-)
12(-)2002(-)



Dotco®
Front Exhaust Grinders

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Illustration "A"

Ref	Number	#	X	EN
				Description
1	14-0851	1		Housing Wrench
2	01-2505	1	1	Inlet Adapter
3	01-2506	1		Exhaust Plug
4	2965PT	1	3	O-Ring
5	3036PT	1	3	O-Ring
6	4293	1	3	Filter Disc
7	01-2016PT	1		Filter Retainer
8	7003PT	1		Rear End Plate (includes 1 Ref. 18)
9	01-2519	1	3	Valve Spring
10	01-2518	1	1	Valve
11	01-2504	1		Valve Seat
12	1042	1	1	Lever Pin
13	01-2517	1	1	Lever Push Rod
14	01-1267	1	1	Lock-Off Lever Assembly
15	01-2001PT	1		Motor Housing
16	2002PT	1		Cylinder
17	538PT	1	2	Ball Bearing
18	1041	2	2	Pin
19	Table "A"	4	12	Rotor Blade
20	2017PT	1		Rotor Spacer
21	2488PT	1		Shim Packet
22	500PT	1	2	Ball Bearing
23	7005	1		Rotor (includes Ref. 20)
24	2256	1		Front End Plate (includes 1 Ref. 18)
25	Table "A"	1		Lock Ring
26	01-2047PT	1		Collet Guard (long)
27	01-2050PT	1		Collet Guard (short)
Termination 01:				
28	2054	1		Chuck Body
29	208	1	1	Collet (1/4")
30	2058PT	1		Collet Cap
35	14-0809	1		Wrench (9/16")
	14-0812	1		Wrench (3/4")
Termination 36:				
31	1400PT	1		Chuck Body
32	308PT	1	1	Collet (1/4")
33	1058PT	1		Collet Cap
34	1053PT	1		Nosepiece
35	14-0807	1		Wrench (7/16")
	14-0811	1		Wrench (11/16")

(#) Quantity

(X) Recommended Spare Parts

Table "A"

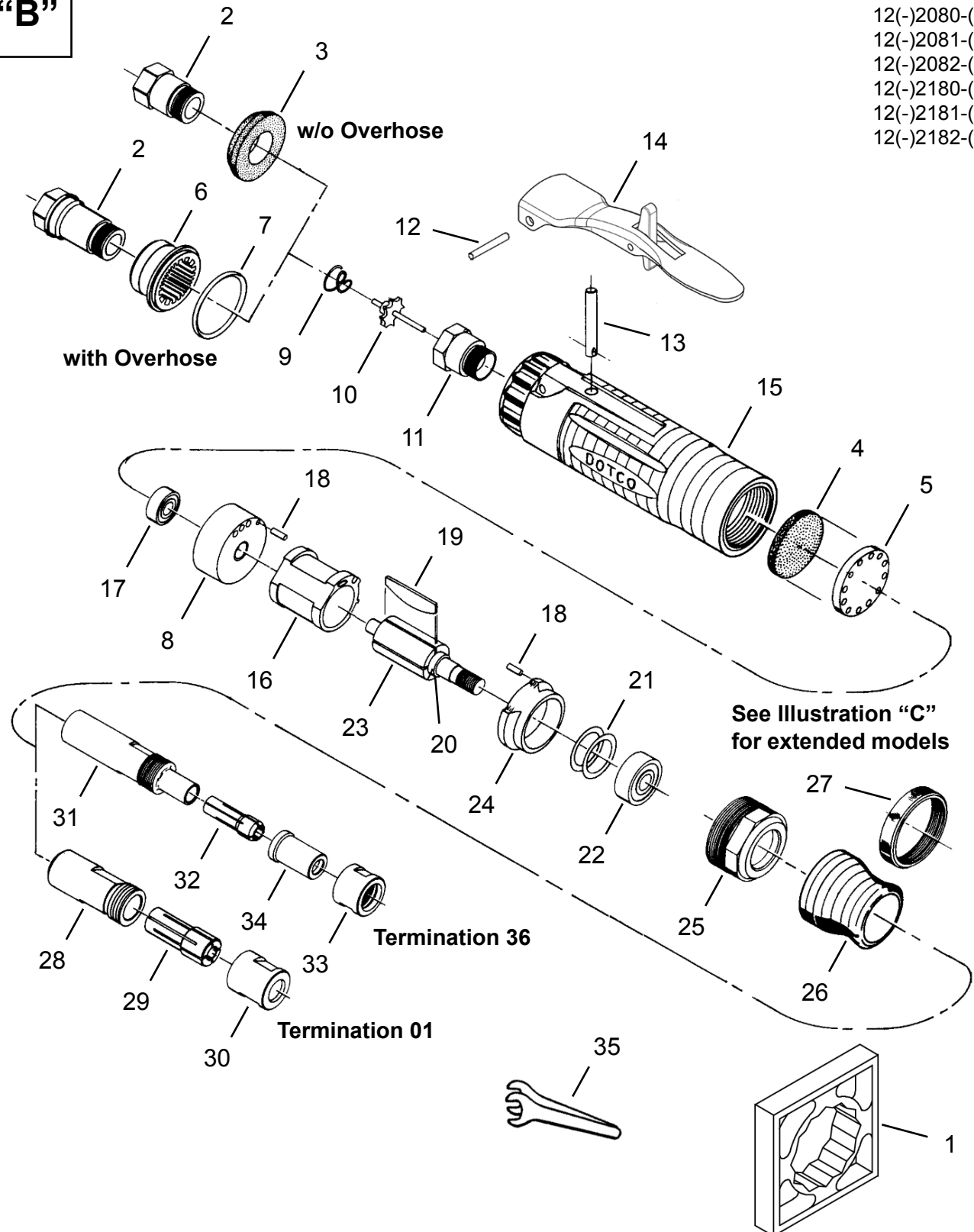
Ref.	Description	#	12(-)2000(-)	#	12(-)2001(-)	#	12(-)2002(-)
19	Rotor Blade	4	2006PT	4	2406	4	2406
25	Lock Ring	1	2014PT	1	2014PT	1	2085PT

Dotco®
Rear Exhaust Grinders

"B"

Models

12(-)2080(-)
12(-)2081(-)
12(-)2082(-)
12(-)2180(-)
12(-)2181(-)
12(-)2182(-)



Dotco®
Rear Exhaust Grinders

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Illustration "B"

Ref	Number	#	X	EN
				Description
1	14-0851	1		Housing Wrench
2	Table "B"	1	1	Inlet Adapter
3	01-2520	1	1	Diffuser
4	4293	1	3	Filter Disc
5	01-2016PT	1		Filter Retainer
6	01-1032	1	1	Muffler
7	3036PT	1	3	O-Ring
8	7003PT	1		Rear End Plate (includes 1 Ref. 18)
9	01-2519	1	3	Valve Spring
10	01-2518	1	1	Valve
11	01-2504	1		Valve Seat
12	1042	1	1	Lever Pin
13	01-2517	1	1	Lever Push Rod
14	01-1267	1	1	Lock-Off Lever Assembly
15	01-2001PT	1		Motor Housing
16	2002PT	1		Cylinder
17	538PT	1	2	Ball Bearing
18	1041	2	2	Pin
19	Table "B"	4	12	Rotor Blade
20	2017PT	1		Rotor Spacer
21	2488PT	1		Shim Packet
22	500PT	1	2	Ball Bearing
23	7005	1		Rotor (includes Ref. 20)
24	Table "B"	1		Front End Plate (includes 1 Ref. 18)
25	2445PT	1		Lock Ring
26	01-2047PT	1		Collet Guard (long)
27	01-2050PT	1		Collet Guard (short)
Termination 01:				
28	2054	1		Chuck Body
29	208	1	1	Collet (1/4")
30	2058PT	1		Collet Cap
35	14-0809	1		Wrench (9/16")
	14-0812	1		Wrench (3/4")
Termination 36:				
31	1400PT	1		Chuck Body
32	308PT	1	1	Collet (1/4")
33	1058PT	1		Collet Cap
34	1053PT	1		Nosepiece
35	14-0807	1		Wrench (7/16")
	14-0811	1		Wrench (11/16")

(#) Quantity

(X) Recommended Spare Parts

Table "B"

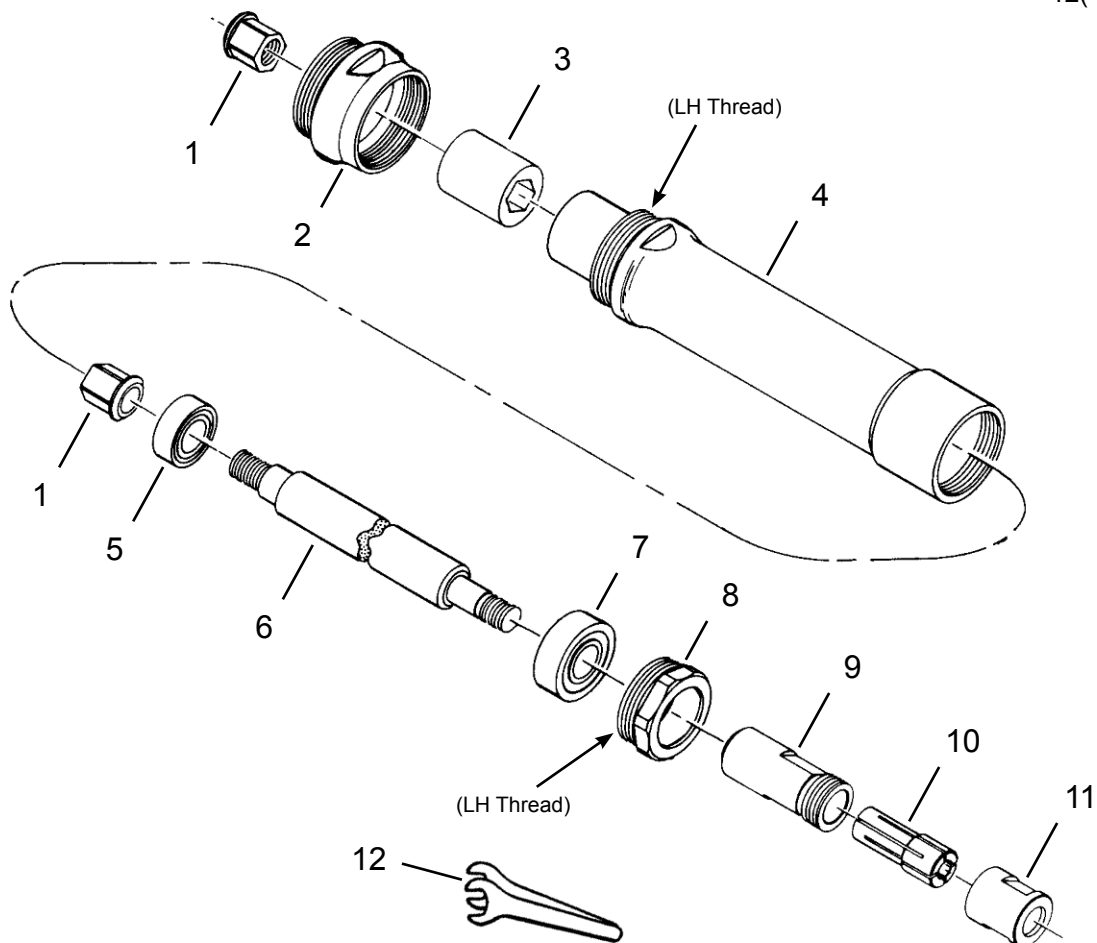
Ref.	Description	#	12(-)2080(-)	#	12(-)2180(-)	#	12(-)2081(-) 12(-)2082(-)	#	12(-)2181(-) 12(-)2182(-)
2	Inlet Adapter (w/o OH)	1	01-2505	1	01-2505	1	01-2505	1	01-2505
	Inlet Adapter (w/ OH)	1	01-1031	1	01-1031	1	01-1031	1	01-1031
19	Rotor Blade	4	2006PT	4	2006PT	4	2406	4	2406
24	Front End Plate	1	2256	1	2292	1	2256	1	2292

"C"

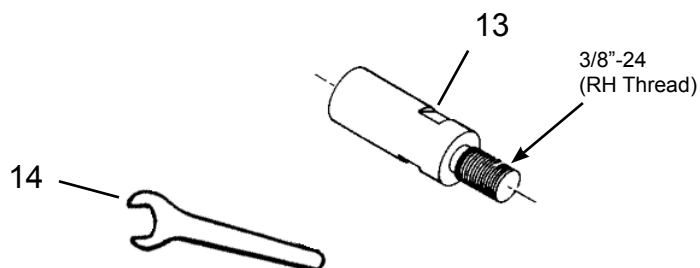
Models

12(-)2180(-)
12(-)2181(-)
12(-)2182(-)

Termination 01: 200 Series Collet



Termination 77: Cone and Plug Wheel (Types 16-19)



Dotco®
Extended Grinders

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Illustration "C"

Ref	Number	#	X	EN
				Description
Termination 01:				
1	2284	2	2	Coupling Nut
2	01-2043PT	1		Lock Ring
3	2287	1		Coupling
4	2700PT	1		Spindle Housing
5	506PT	1	2	Ball Bearing
6	2307PT	1		Spindle
7	524PT	1	2	Ball Bearing
8	2332PT	1		Lock Ring
9	2060PT	1		Chuck Body
10	208	1	1	Collet (1/4")
11	2058PT	1		Collet Cap
12	14-0809	1		Wrench (9/16")
	14-0812	1		Wrench (3/4")
Termination 77:				
13	02-7526	1	1	Arbor
14	14-0808	1		Wrench (1/2")

(#) Quantity

(X) Recommended Spare Parts

Sales & Service Centers

Note: All locations may not service all products. Please contact the nearest Sales & Service Center for the appropriate facility to handle your service requirements.

Dallas, TX
**Apex Tool Group
Sales & Service Center**
1470 Post & Paddock
Grand Prairie, TX 75050
Tel: 972-641-9563
Fax: 972-641-9674

Detroit, MI
**Apex Tool Group
Sales & Service Center**
2630 Superior Court
Auburn Hills, MI 48326
Tel: 248-391-3700
Fax: 248-391-7824

Houston, TX
**Apex Tool Group
Sales & Service Center**
6550 West Sam Houston
Parkway North, Suite 200
Houston, TX 77041
Tel: 713-849-2364
Fax: 713-849-2047

Lexington, SC
Apex Tool Group
670 Industrial Drive
Lexington, SC 29072
Tel: 800-845-5629
Tel: 803-951-7544
Fax: 803-358-7681

Los Angeles, CA
**Apex Tool Group
Sales & Service Center**
15503 Blackburn Avenue
Norwalk, CA 90650
Tel: 562-623-4457
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Seattle, WA
**Apex Tool Group
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2865 152nd Avenue N.E.
Redmond, WA 98052
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Fax: 425-497-0496

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**Apex Tool Group
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3990 East Market Street
York, PA 17402
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