



Parts Manual
PL30-2020-LG1
10/20/2017

10N10 Series

Inline Fixtured Grinder



For additional product information visit our website at:
<https://dotcotool.com/product-category/dotco-air-tools/dotco-grinders/dotco-inline-grinders/dotco-10-10-series-inline-grinders/>

Nomenclature and Specifications

10	N	1	0	XX	-	XX	XX	XX
Product Type 10 = Aluminum Housing Grinder								
Throttle Type N = No Throttle *								
Motor Size 1 = 0.3 hp								
Handle Style 0 = Straight								
Speed Options (RPM) Rear Exhaust 80 = 30,000 81 = 34,000								
Termination Code 01 = 200 Series Collet (1/4") 36 = 300 Series Collet (1/4")								
Optional Collet (no extra cost) 22 = 200 Series Collet (11/32") 24 = 200 Series Collet (3/8") 12 = 300 Series Collet (3/16") M6 = 300 Series Collet (6mm)								
Options LH = Left Hand Rotation								

* Note: These models will start with applied air and are intended for fixtured applications.

Model *	Exhaust	Termination	Free Speed (rpm)	Abrasive Capacity	Weight		Length		Air Inlet
					lbs.	kg	in.	mm	
10N1080-01	Rear	1/4" Collet	30,000	1/2" Carbide Bur 1" Mounted Wheel	0.7	0.32	4.6	117	1/4"
10N1080-0122	Rear	11/32" Collet	30,000	1/2" Carbide Bur 1" Mounted Wheel	0.7	0.32	4.6	117	1/4"
10N1080-0124	Rear	3/8" Collet	30,000	1/2" Carbide Bur 1" Mounted Wheel	0.7	0.32	4.6	117	1/4"
10N1080-36	Rear	1/4" Collet	30,000	1/2" Carbide Bur 1" Mounted Wheel	0.7	0.32	4.6	117	1/4"
10N1080-36M6	Rear	6mm Collet	30,000	1/2" Carbide Bur 1" Mounted Wheel	0.7	0.32	4.6	117	1/4"
10N1081-36	Rear	1/4" Collet	34,000	1/2" Carbide Bur 1" Mounted Wheel	0.7	0.32	4.6	117	1/4"
10N1081-36M6	Rear	6mm Collet	34,000	1/2" Carbide Bur 1" Mounted Wheel	0.7	0.32	4.6	117	1/4"
10N1081-3612LH	Rear	1/4" Collet	34,000	1/2" Carbide Bur 1" Mounted Wheel	0.7	0.32	4.6	117	1/4"

* Note: These models will start with applied air and are intended for fixtured applications.

Manufacturer:

Apex Tool Group, LLC
670 Industrial Drive
Lexington, South Carolina 29072, USA

Importer:

Apex Tool Group GmbH
Industriestraße 1
D-73463 Westhausen, Germany

For this Instruction Manual

The original language of this instruction manual is English. This Instruction Manual is intended for all persons who will operate and maintain this equipment.

Declaration of Incorporation:

We affirm that this machine complies with the basic requirements of the following directives (2006/42/EC) and is intended for installation / assembly in a / with other machine(s). Commissioning of the incomplete machine is prohibited until such time that the incomplete machine has been incorporated in a machine that complies with the EC Machinery Directive 2006/42/EC and for which there is an EC Declaration of Conformity in accordance with Appendix II A. We furthermore declare that the special technical documentation for the incomplete machine is in accordance with Appendix VII Part B. We undertake to have it passed on to the market surveillance body upon request by our representative for the compilation of technical documentation. The following Sections of Appendix I of Directive 2006/42/EC have been fulfilled: 1.1.2, 1.1.3, 1.1.5, 1.3.2, 1.3.4, 1.5. Applied harmonized standards are ISO 12100-1: 2004-04, ISO 12100-2:2004-04.

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

Mr. William Cain
Director - Global Engineering Services
Apex Tool Group
670 Industrial Drive
Lexington, SC 29072

William Cain

Signature: William Cain

Date: 10/20/2017

Noise and Vibration:

Sound Level: ≤ 80 dB(A) (unincorporated)

Vibration: < 2.5 m/s² (unincorporated)

Symbols on product

Be sure you understand their meaning before using this equipment.



Read all instructions



Eye protection must be worn at all times during the operation or maintenance of this tool.



Ear protection must be worn at all times during the operation or maintenance of this tool.



CE compliant

1 Safety:

WARNING!



Indicates a potentially **hazardous** situation for personal health and safety. If this warning is not observed, death or serious injury may occur.

CAUTION!



Indicates a potentially **hazardous** situation which, if not avoided, may result in minor or moderate injury or property and environmental damage.

Speed check

Using a tachometer, check the tool speed weekly or with every 200 hours of operation to assure it does not exceed the rated speed of the tool at 90 psig.

Personal protective equipment

WARNING!



Exercise caution, pay attention to what you are doing and act reasonably at all times when working with a pneumatic tool. Never use a pneumatic tool while under the influence of drugs, alcohol or medication. One moment of inattentiveness in the use of a pneumatic tool can cause serious injuries.

General Safety Instructions

Designated 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.

Do not modify the tool, any guard, or accessory unless approved in writing by Apex Tool Group, LLC.

WARNING!



Any abuse or misuse of this tool or the abrasive can be extremely dangerous. The abrasive used with this tool are not manufactured or supplied by Apex Tool Group, LLC. Consult and comply with the safety practices provided by the abrasive manufacturer.

Air Line Lubrication:

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

Air Supply Line:

Parameter	Description
Air Hose	Minimum inside diameter: 1/4" (6.4mm) Maximum length: 8.0' (2.4 m)
Working pressure range	Performance rated at: 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.

Disposal:



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

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“A”

Rear Exhaust Motor Assembly

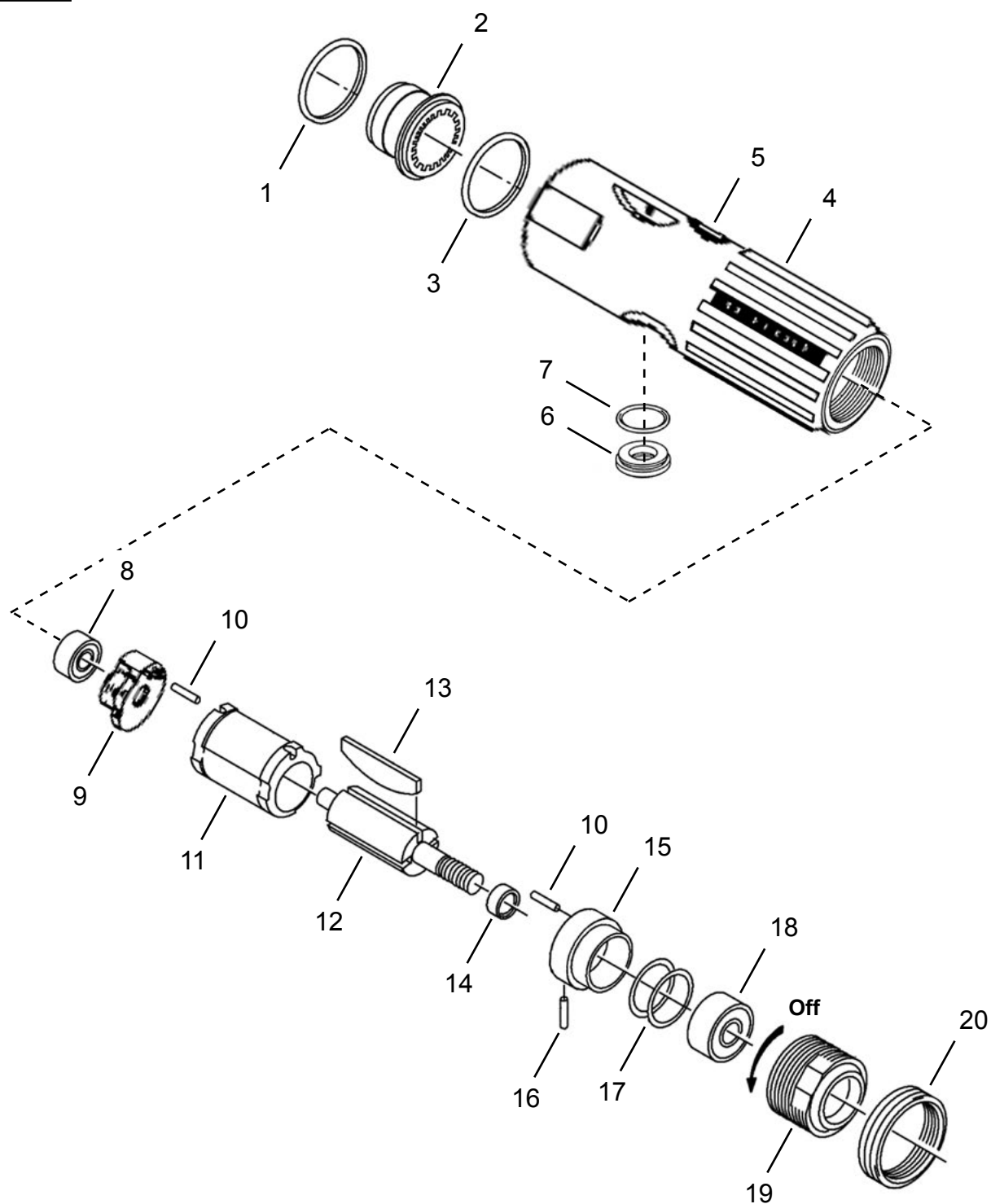


Illustration "A"

Ref	Number	#	X	EN
				Description
1	1891PT	1	3	Muffler Retaining Ring
2	1899PT	1	1	Muffler
3	1322PT	1	3	Muffler O-Ring
4	1987S	1		Motor Housing (includes Ref. 5)
5	1177PT	1		Motor Housing Bushing
6	02-1217	1		Plug (includes Ref. 7)
7	1057PT	1	3	Plug O-Ring
8	504PT	1	2	Ball Bearing
9	1866PT	1		Rear Bearing Plate (includes 1 Ref. 10) (Right Hand Rotation)
	02-1209	1		Rear Bearing Plate (includes 1 Ref. 10) (LH: Left Hand Rotation)
10	1041	2	4	Locating Pin
11	1002PT	1		Cylinder
12	1005S	1		Rotor (10N1080 models)
	02-1214S	1		Rotor (10N1081 models)
13	1006PT	4	12	Rotor Blade (10N1080 models)
	1006PT	3	9	Rotor Blade (10N1081 models)
14	1017PT	1		Rotor Spacer
15	1867PT	1		Front Bearing Plate (includes 1 Ref. 10 and Ref. 16) (Right Hand Rotation)
	1261	1		Front Bearing Plate (includes 1 Ref. 10 and Ref. 16) (LH: Left Hand Rotation)
16	2964	1	2	Locating Pin
17	1355	1		Shim Packet
18	538PT	1	2	Ball Bearing
19	1045	1		Lock Ring
20	1272	1		Thread Guard

(#) Quantity

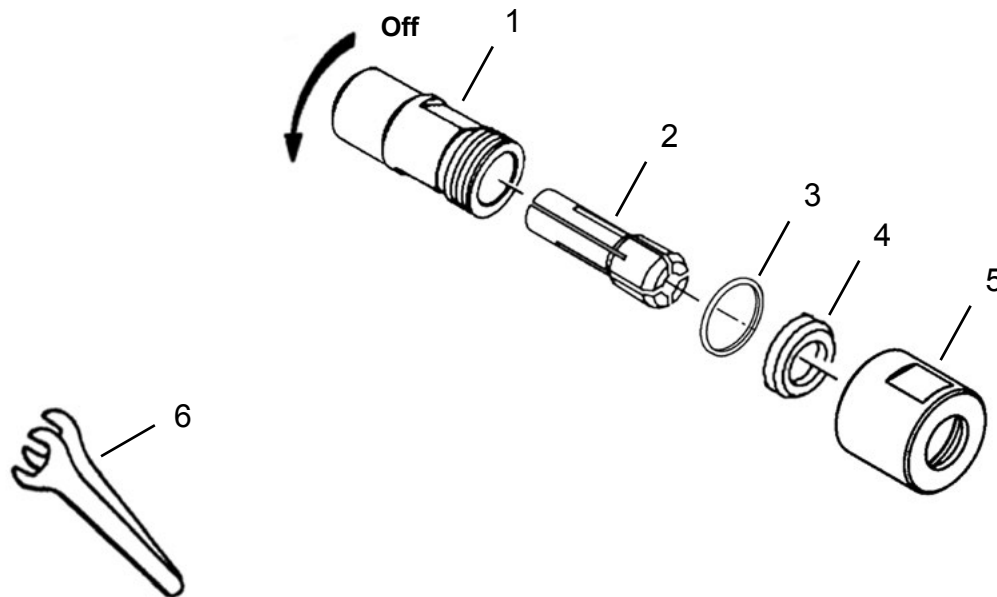
(X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

“B”

Termination -01 (200 Series Collet)

Models

10N1080-01
10N1080-0122
10N1080-0124



“C”

Termination -36 (300 Series Collet)

Model

10N1080-36
10N1080-36M6
10N1081-36
10N1081-3612LH
10N1081-36M6

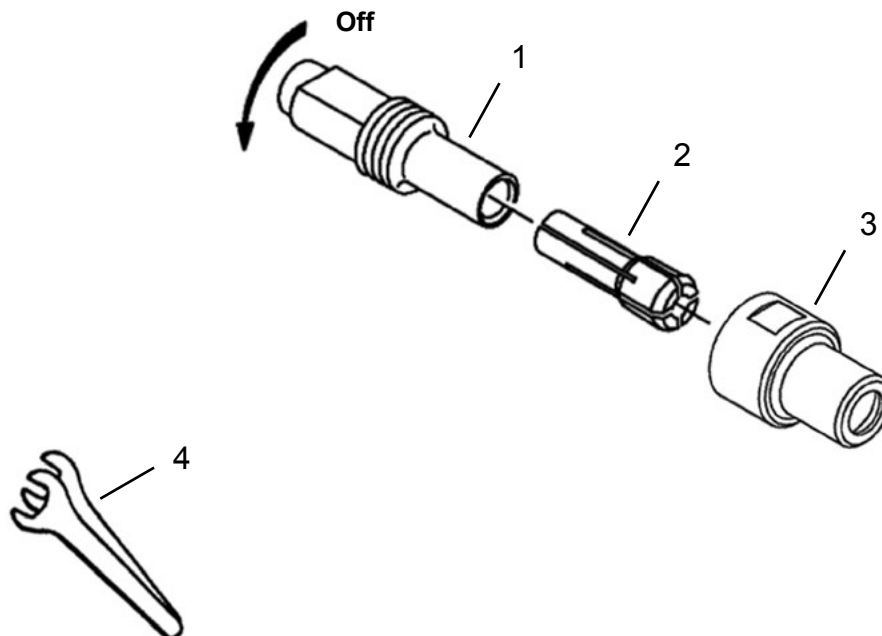


Illustration "B"

Ref	Number	#	X	EN
				Description
1	02-7154	1	2	Collet Chuck Body
2	208	1	2	200 Series Collet (1/4") - Termination 01
	211PT	1	2	200 Series Collet (11/32") - Termination 0122
	212	1	2	200 Series Collet (3/8") - Termination 0124
3	2087PT	1	2	Collet Nosepiece Retaining Ring
4	2742	1	2	Collet Nosepiece
5	2058S	1	2	Collet Chuck Cap
6	14-0809	1		Wrench (9/16")
	14-0812	1		Wrench (3/4")

(#) Quantity

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

Illustration "C"

Ref	Number	#	X	EN
				Description
1	1054PT	1	2	Collet Chuck Body
2	306PT	1	2	300 Series Collet (3/16") - Termination 3612LH
	308PT	1	2	300 Series Collet (1/4") - Termination 36
	310PT	1	2	300 Series Collet (6mm) - Termination 36M6
3	208196PT	1	2	Collet Nosepiece Cap
4	14-0807	1		Wrench (7/16")
	14-0811	1		Wrench (11/16")

(#) Quantity

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

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.

 Sales Center
 Service Center

NORTH AMERICA | SOUTH AMERICA

Detroit, Michigan

Apex Tool Group
2630 Superior Court
Auburn Hills, MI 48236
Phone: +1 (248) 393-5644
Fax: +1 (248) 391-6295

Lexington, South Carolina

Apex Tool Group
670 Industrial Drive
Lexington, SC 29072
Phone: +1 (800) 845-5629
Phone: +1 (919) 387-0099
Fax: +1 (803) 358-7681

Mexico

Apex Tool Group
Manufacturing México
S. de R.L. de C.V.
Vialidad El Pueblito #103
Parque Industrial Querétaro
Querétaro, QRO 76220
Mexico
Phone: +52 (442) 211 3800
Fax: +52 (800) 685 5560

Brazil

Apex Tool Group
Ind. Com. Ferram, Ltda.
Av. Liberdade, 4055
Zona Industrial Iporanga
Sorocaba, São Paulo
CEP# 18087-170
Brazil
Phone: +55 15 3238 3870
Fax: +55 15 3238 3938

EUROPE | MIDDLE EAST | AFRICA

England

Apex Tool Group GmbH
C/O Spline Gauges
Piccadilly, Tamworth
Staffordshire B78 2ER
United Kingdom
Phone: +44 1827 8727 71
Fax: +44 1827 8741 28

France

Apex Tool Group S.A.S.
25 rue Maurice Chevalier
B.P. 28
77831 Ozoir-La-Ferrière
Cedex, France
Phone: +33 1 64 43 22 00
Fax: +33 1 64 43 17 17

Germany

Apex Tool Group GmbH
Industriestraße 1
73463 Westhausen
Germany
Phone: +49 (0) 73 63 81 0
Fax: +49 (0) 73 63 81 222

Hungary

Apex Tool Group
Hungária Kft.
Platánfa u. 2
9027 Győr
Hungary
Phone: +36 96 66 1383
Fax: +36 96 66 1135

ASIA PACIFIC

Australia

Apex Tool Group
519 Nurigong Street, Albury
NSW 2640
Australia
Phone: +61 2 6058 0300

China

Apex Power Tool Trading
(Shanghai) Co., Ltd
2nd Floor, Area C
177 Bi Bo Road
Pu Dong New Area, Shanghai
China 201203 P.R.C.
Phone: +86 21 60880320
Fax: +86 21 60880298

India

Apex Power Tools India
Private Limited
Gala No. 1, Plot No. 5
S. No. 234, 235 & 245
Indialand Global
Industrial Park
Taluka-Mulsi, Phase I
Hinjawadi, Pune 411057
Maharashtra, India
Phone: +91 020 66761111

Japan

Apex Tool Group Japan
Korin-Kaikan 5F,
3-6-23 Shibakoen, Minato-Ku,
Tokyo 105-0011, JAPAN
Phone: +81-3-6450-1840
Fax: +81-3-6450-1841

Korea

Apex Tool Group Korea
#1503, Hibrand Living Bldg.,
215 Yangjae-dong,
Seocho-gu, Seoul 137-924,
Korea
Phone: +82-2-2155-0250
Fax: +82-2-2155-0252

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Apex Tool Group, LLC

Phone: +1 (800) 845-5629
Phone: +1 (919) 387-0099
Fax: +1 (803) 358-7681
www.ClecoTools.com