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Edition 1

June 2006

# Air Grinder and Die Grinder

TA and TXA Series, Angle

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## Parts Information



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## TA and TXA Angle Grinder and Die Grinder Parts List

Item	Part Description	Part Number	Item	Part Description	Part Number
	<b>Common parts for ALL TA and TXA Grinders</b>		*	Nameplate	
				for TA90 models	LA209-301
1	Inlet Assembly	LG2-A465		for TA120 models ending in -EU	LA212-EU-301
• 2	Inlet Screen	R1602-61		for all other TA120 models	LA212-301
• 3	Inlet Seal	R18LF-21		for TA180 models ending in -EU	LA218-EU-301
4	Throttle Valve Spring Seat	LG3-592		for all other TA180 models	LA218-301
4A	Throttle Valve Spring	7L-51		for TXA135 models ending in -EU	LA2135-EU-301
4B	Throttle Valve	LG2-302		for all other TXA135 models	LA2135-301
4C	Throttle Valve Seat	LG2-303		for TXA140 models	LA214-301
4D	Cartridge Case	LG2-300A		for TXA160 models	LA216-301
5	Motor Housing	LG2-40		for TA150 models	LA215-301
6	Throttle Lever	LG2-273		<b>Additional parts for all TA models</b>	
6A	Locking Throttle Lever Assembly (for Models ending in L or C)	LG2-A400	21	Bevel Pinion and Bevel Gear (sold only as a matched set)	
	Lever Lock	LG1-402		for TA90 and TA120	LA2-A552-1.9
*	Lock Spring	LG1-405		for TA180	LA2-A552-1.3
*	Lock Pin	5UT-757		for TA150	LA2-A552-1.7
7	Throttle Lever Pin	61H-120	+ 22	Angle Housing Assembly	LA2-A550S
8	Throttle Valve Plunger	LG2-191	23	Clamp Spacer	LA2-46
• 9	Rear Rotor Bearing	R120-127	24	Clamp Nut	LG2-27
• 10	Rear Rotor Bearing Spacer(2)	400-25-191	25	Grease Fitting	DOF9-879
• 11	Rear Rotor Bearing Retainer	LG1-118	• 26	Upper Arbor Bearing	AG210-693
12	Rotor	LG2-53-4	• 27	Wick	
• 13	Vane Packet (set of 4 Vanes)	DG21-42-4		for TA90 and TA120	LA2-560
14	Front End Plate	LG2-11		for TA180	LA2-561
15	Front End Plate Spacer	LG2-65	28	Bevel Gear Nut	LA2-578
• 16	Front Seal Cup Assembly	61H-A32	• 29	Lower Arbor Bearing	LA2-593
• 17	Front Rotor Bearing	LG2-24	30	Arbor	
18	Flow Ring			for models ending in H64	LA2-104-1
	for TA90 (brown)	LG2-103-1		for models ending in G4, G4C or G4L	AG220-4-G4
	for TXA135 (khaki)	LG2-103-2		for models ending in P63, P63C, P63L, P64, P64C or P64L	AG220-4
	for TA120 and TA150 TA180 and TXA160 (red)	LG2-103-3	31	Arbor Bearing Cap	AG20-531
	for TXA140 (green)	LG2-103-4		<b>Additional parts for all TXA models</b>	
• 19	High Profile Flange	LG2-23	• 32	Arbor Coupling	LE2-304
# 19A	Low Profile Concentric Flange (for all models ending in C)	LG3R-23	33	Clamp Sleeve	LE2-176
20	Flange Clamp	LG2-29	34	Spindle Bearing Nut (2)	LE2-85
† 20A	Exhaust Hose Adapter	LG2-184	35	Coupling Retaining Ring (2)	RX3-729
† 20B	Exhaust Hose	3RL-284	• 37	Rear Spindle Bearing	LE2-24
† 20C	Exhaust Hose Retainer	6WT-203	38	Spindle	LA2-4
*	Warning Label		39	Front Spindle Bearing	LG1-24
	for models ending in P63 -EU	EU-63-99	40	Bevel Pinion and Bevel Gear	
	for models ending in P64 -EU	EU-64-99		for models ending in G4, G4C or G4L	LA1-A552-1.5
	for all other models ending in -EU	EU-99		for models ending in H64, H64C, H64L, H64M, H64MC or H64ML	LA1-A552-1.5A
	for all other models	LG2-99			

\* Not illustrated.

• To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by a bullet (•) for every four tools in service.

+ The LA2-A550S Angle Housing Assembly is furnished with three Wicks. Use Wick (LA2-560) without the notch on TA120 models and Wick (LA2-561) with one notch on TA180 models. The LA1-A550S Angle Housing Assembly is furnished with two Wicks. Use Wick (LA1-561) with the notch on TXA135 models.

† Standard equipment on models ending in **M**, **MC** or **ML** and **ALL** Front Exhaust models; optional equipment on all other models.



### WARNING

# Always install a Locking Throttle Lever Assembly (6A) on a tool with a Low Profile Concentric Flange (19A). Do not equip a tool with a standard non-locking Throttle Lever (6) and Low Profile Concentric Flange. This can allow the tool to continue to run if dropped or set down.

## TA and TXA Angle Grinder and Die Grinder Parts List

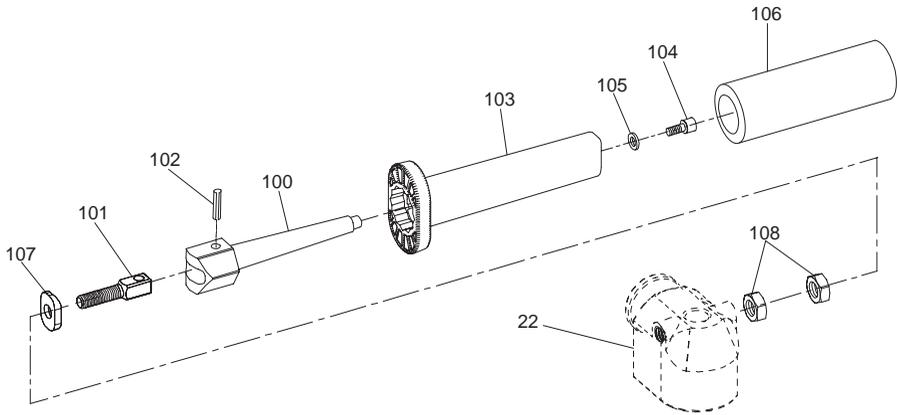
Item	Part Description	Part Number	Item	Part Description	Part Number
+ 41	Angle Housing Assembly	LA1-A550S	60	Flange Nut	
42	Clamp Spacer	LA1-46		for models ending in P64M, P64MC or P64ML	AG31-338-4
43	Clamp Nut	LG1-27			
44	Grease Fitting	D0F9-879		for models ending in H64, H64M, H64ML, H64MC, H64L or H64C	LA2-388
• 45	Upper Arbor Bearing	AG210-693		for all others	AG21-337A-3
• 46	Wick	LA1-561			
47	Bevel Gear Nut	AG210-578A	61	Flange Spacer (for 1/8" wheels only)	LA2-111
• 48	Lower Arbor Bearing	AG210-24		<b>Accessories for all models</b>	
49	Arbor		62	Collet Body Wrench or Flange Spacer Wrench (included with all models ending in G4, G4C or G4L and all TA90 models)	
	for models ending in G4, G4C or G4L	AG210-4-G4		for TA90, TA120 and TA180 (double-end 1/2" x 9/16")	DG10-69
	for models ending in P64, P64C or P64L	LA1-6		for TXA135 (double-end 7/16" x 11/16")	DG20-69A
	for models ending in H64, H64C H64L, H64M, H64MC or H64ML	LA1-104-1			
50	Arbor Bearing Cap	AG210-531	63	Collet Nut Wrench (included with all models ending in G4, G4C or G4L)	
	<b>Additional parts for all collet models</b>			for TA120 and TA180 (double-end 5/8" x 3/4")	DG120-69
51	Collet			for TXA (7/16" x 11/16")	DG20-69A
	for TA120 and TA180	G160HD-700-1/4			
	for TA120-EU and TA180-EU	G160HD-700-6mm	64	Arbor Wrench (3/16" hex wrench) (included with all models using type 27 Wheels)	AG220-340
	for TXA135	DG110-700-G4			
	for TXA135-EU	DG110-700-6mm			
52	Nosepiece (for TXA135 only)	AG210-698A	65	Arbor Bearing Cap Wrench	
53	Collet Nut			for TXA models ending in G4, P63 and P64	AG210-29
	for TA120 and TA180	DG120-699A		for TXA models ending in H64	LA1-29
	for TXA135	AG210-699A		for TA models ending H64	LAS2-29
	<b>Additional parts for all wheel models</b>		66	Flange Nut Wrench (L-shaped) (included with all models using type 27 Wheels)	D32-26
54	Wheel Guard Adapter Assembly (for TXA135 only)	LA1-A710	67	Clamp Nut Wrench (included with all models)	LA2-253
55	Wheel Guard Adapter Screw	804-634	*	IR No. 10 Oil (4 oz. bottle)	1024
56	Wheel Guard		*	IR No. 63 Oil (4 oz. bottle)	63Z4
	for ending in P64 and H64 (4")	AG121-106-4	*	IR No. 67 Grease (1 lb. can)	67-1LB
	for models ending in P63	AG20-106-3	*	IR No. 77 Grease (1 lb. can)	77-1LB
57	Guard Lock Washer (3)	R2-320			
58	Guard Mounting Screw (3)				
	for TA90, TA120, TA150 and TA180	AG31-667			
	for TXA models	LA1-667			
59	Wheel Flange				
	for models ending in P63M, P63MC or P63ML	AG21-337A-3			
	for models ending in P64M, P64MC or P64ML	AG31-337-4			
	for all others	R0A2D61-337			

\* Not illustrated.

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## TA and TXA Ergo Handle Assembly Exploded Diagram



(Dwg. TPD1989)

## TA and TXA Ergo Handle Assembly Parts List

Item	Part Description	Part Number
	Ergo Handle Assembly	LG2-A48A
100	Handle Arbor	LG2-48Y
101	Position Anchor Bolt	LG2-373
102	Anchor Roll Pin	R00A2-120
103	Handle	LG2-48X
104	Handle Lock Screw	AL-638
105	Lock Screw Washer	MF-37
106	Handle Grip	LG2-48W
107	Anchor Bolt Clamp	LG2-58
108	Alignment Nut (2)	LG2-428

The Handle can be mounted for right or left hand operation and the angle between the Handle and the tool can be adjusted by loosening the Alignment Nut (108) closest to the Dead Handle and sliding the Handle toward the Housing or away from the Housing. The Handle can be rotated to the most comfortable position by loosening the Alignment Nut (108) next to the Angle Head and turning the Handle to any of the six available positions.

## Parts and Maintenance

When the life of the tool has expired, it is recommended that the tool be disassembled, degreased and parts be separated by material so that they can be recycled.

Tool repair and maintenance should only be carried out by an authorized Service Center. Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

## Related Documentation

For additional information refer to:  
 Air Grinder Product Safety Information Manual 04584959.  
 Air Die Grinder Product Safety Information Manual 04580288.  
 Air Grinder Product Information Manual 16576217, 16576209.  
 Air Die Grinder Product Information Manual 16576225, 16576233.  
 Air Grinder Maintenance Information Manual 16575102.

Manuals can be downloaded from [www.irttools.com](http://www.irttools.com).



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**Notes**

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