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# Air Angle Sanders

TAS/HAS

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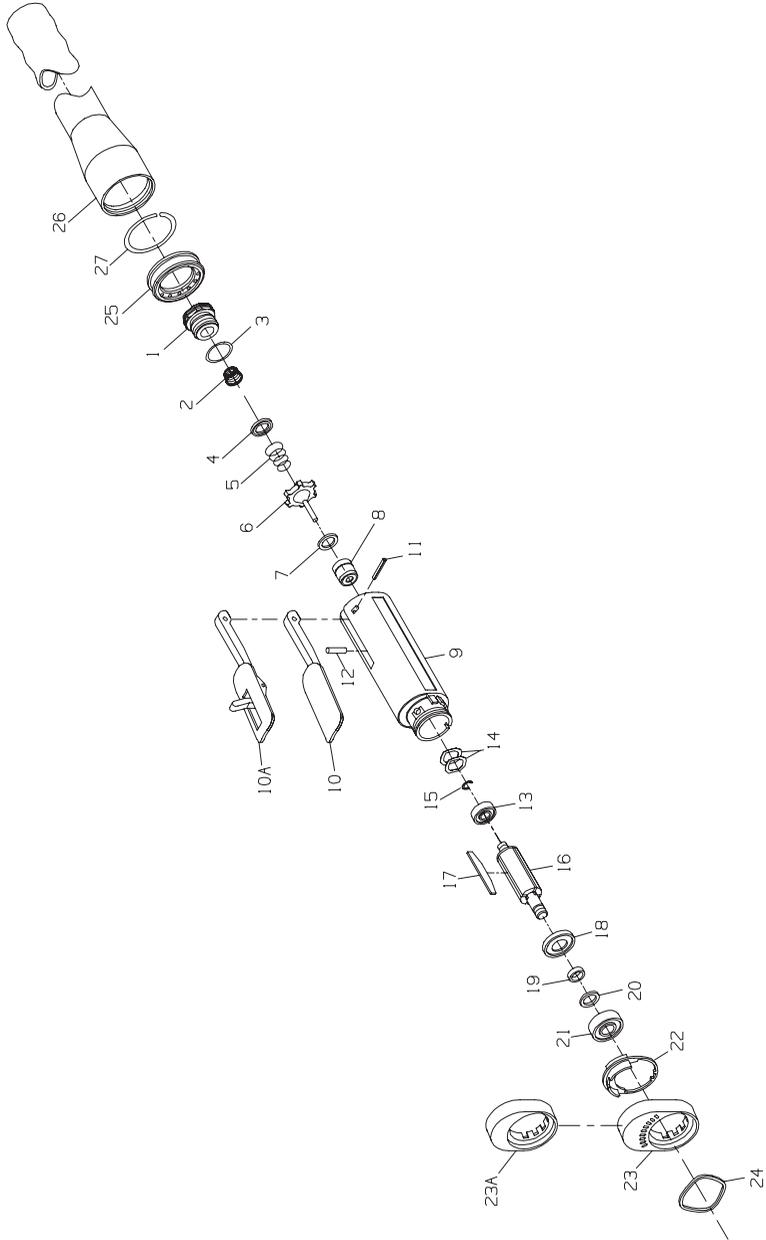
## Parts Information



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TAS/HAS Air Angle Sander Exploded Diagram



(Dwg. TPA1303-3)

## TAS/HAS Air Angle Sander Parts List

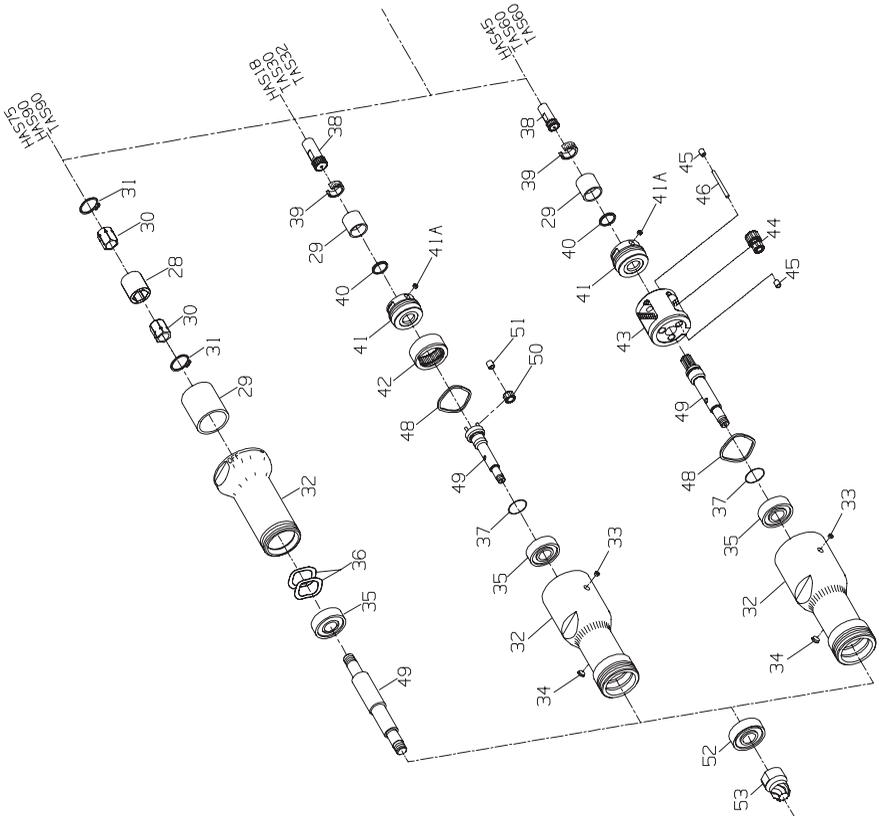
Item	Part Description	Part Number	Item	Part Description	Part Number
1	Inlet Assembly	LG2-A465	21	Front Rotor Bearing	LG2-24
2	Inlet Screen	R1602-61	22	Flow Ring	
* 3	Inlet Seal	R18LF-21		for HAS30 and TAS60 models (khaki)	LG2-103-2
* 4	Throttle Valve Spring Seat	LG3-592		for HAS75 models (red)	LG2-103-3
5	Throttle Valve Spring	7L-51		for all other HAS models (blue)	LG3-103-3
6	Throttle Valve			for all other TAS models (brown)	LG2-103-1
	for HAS models	LG3-302	23	High Profile Flange	LG2-23
	for TAS models	LG2-302	# 23A	Concentric Flange	LG3R-23
7	Throttle Valve Seat		24	Flange Clamp	LG2-29
	for HAS models	LG3-303	Ø 25	Exhaust Hose Adapter	LG2-184
	for TAS models	LG2-303	Ø 26	Exhaust Hose	3RL-284
8	Valve Cartridge Cup (for TAS models only)	LG2-300A	Ø 27	Exhaust Hose Retainer	6WT-203
9	Motor Housing		*	Warning Label	
	for HAS models	LG3-40		for HAS and TAS models	LG2-99
	for TAS models	LG2-40		for EU models	EU-99
10	Throttle Lever	LG2-273	*	Nameplate	
10A	Locking Throttle Lever Assembly (for all models ending in L or C)	LG2-A400		for HAS18	LAS318-301
*	Lever Lock	LG1-402		for HAS18-EU	LAS318-EU-3
*	Lock Spring	LG1-405		for HAS30	LAS303-301
*	Lock Pin	SUT-757		for HAS30-EU	LAS303-EU-301
11	Throttle Lever Pin	61H-120		for HAS45	LAS345-301
12	Throttle Valve Plunger	LG2-191		for HAS45-EU	LAS345-EU-301
13	Rear Rotor Bearing	R120-127		for HAS60	LAS306-301
* 14	Rear Rotor Bearing Spacer (2)	400-25-191		for HAS60-EU	LAS306-EU-301
* 15	Rear Rotor Bearing Retainer	LG1-118		for HAS75	LAS3075-301
16	Rotor			for HAS75-EU	LAS3075-EU301
	for HAS models	LG3-53-4		for HAS90	LAS309-301
	for TAS models	LG2-53-4		for HAS90-EU	LAS309-EU-301
17	Vane Packet (set of 4 Vanes)			for TAS32	LAS232-301
	for HAS models	DG31-42-4		for TAS32-EU	LAS232-EU-301
	for TAS models	DG21-42-4		for TAS60	LAS206-301
18	Front End Plate	LG2-11		for TAS60-EU	LAS206-EU-301
19	Front End Plate Spacer	LG2-65		for TAS90	LAS209-301
* 20	Front Seal Cup Assembly	61H-A32		for TAS90-EU	LAS209-EU-301

\* 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.

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

# **Always install a Locking Throttle Lever Assembly (10A) on a tool with a Low Profile Concentric Flange (23A). Installing a Concentric Flange on a tool without a Locking Throttle Lever will allow the tool to continue running if the tool is dropped or set down on the standard non-locking Throttle Lever 10.**

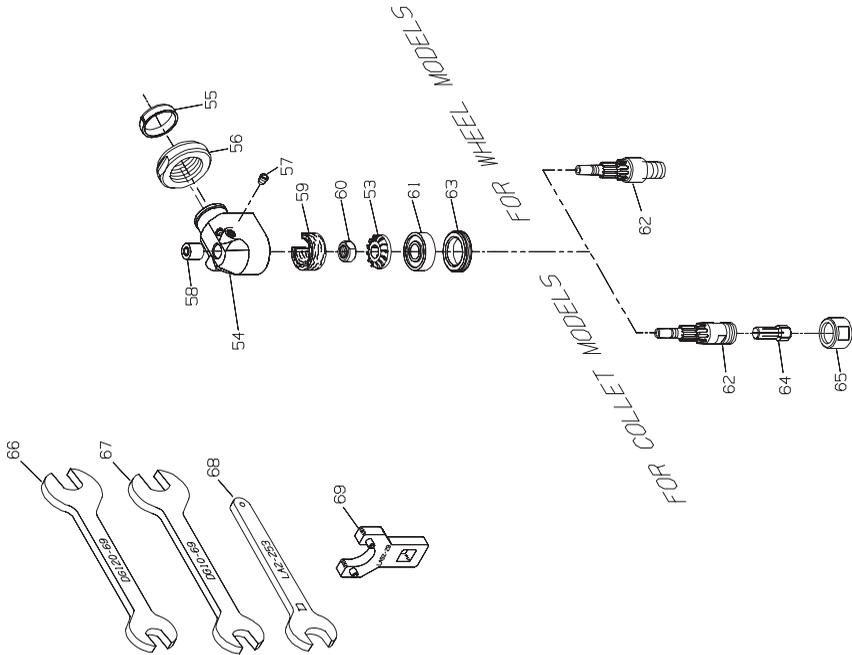


(Dwg. TPB945-3)

**TAS/HAS Air Angle Sander Parts List**

Item	Part Description	Part Number	Item	Part Description	Part Number
28	Arbor Coupling (for HAS75, HAS90 and TAS90 models)	LE2-304	41	Gear Case Adapter Assembly (for HAS18, HAS30, HAS45, HAS60, TAS32 and TAS60 models)	LAS2-337
29	Clamp Sleeve				
	for HAS75, HAS90 and TAS90 models	LE2-176	41A	Grease Fitting	D0F9-879
	for all other models	LAS2-176	42	Ring Gear (for HAS18, HAS30 and TAS32 models)	LAS2-406
30	Spindle Bearing Nut (for HAS75, HAS90 and TAS90 models) (2)	LE2-85	43	Gear Frame (for HAS45, HAS60 and TAS60 models)	LES2-8-1.9
31	Coupling Retaining Ring (for HAS75, HAS90 and TAS90 models) (2)	RX3-729	44	Spur Gear (for HAS45, HAS60 and TAS60 models) (3)	HDS-10-1.9
32	Extension Housing (for HAS75, HAS30 and TAS90 models)	LA3-20	45	Spur Gear Bearing (for HAS45, HAS60 and TAS60 models) (2 for each Gear)	W22-654
32	Extension Housing Assembly		46	Spur Gear Pin (for HAS45, HAS60 and TAS60 models) (1 for each Gear )	LES2-A191
	for HAS18, HAS30 and TAS32 models	LAS2-A20	48	Gear Clamp (for HAS18, HAS30, HAS45, HAS60, TAS32 and TAS60 models)	LG2-29
	for HAS45, HAS60 and TAS60 models	LAS2X-A20	49	Spindle	
33	Grease Fitting	D0F9-879		for HAS18 models	LAS2-8-5.1
34	Extension Housing Plug (for HAS18, HAS30, HAS45, HAS60, TAS32 and TAS60 models)	EG220-92		for HAS30 and TAS32 models	LAS2-8-3.4
35	Rear Spindle Bearing			for HAS45, HAS60 and TAS60 models	HAS-8-1.9
	for HAS18, HAS30, HAS45, HAS60, TAS32 and TAS60 models	105352	50	Spindle Planet Gear Assembly (3 required)	
	for HAS75, HAS90 and TAS90 models	WFS182-22		for HAS18 models (19 teeth)	7AQ-A10
36	Rear Spindle Bearing Washer (for HAS75, HAS90 and TAS90 models) (2)	7AH-278		for HAS30 and TAS32 models (15 teeth)	7AH-A10
37	Rear Spindle Bearing Seal (for HAS18, HAS30, HAS45, HAS60, TAS32 and TAS60 models)	AF120-290	51	Planet Gear Bearing (1 for each Gear)	
38	Rotor Pinion			for 7AQ-A10	7AJ-500
	for HAS18 models	LAS-17-5.1		for 7AH-A10	7AH-500
	for HAS30 and TAS32 models	LAS2-17-3.4	52	Front Spindle Bearing	LG2-24
	for HAS45, HAS60 and TAS60 models	HDS-17-1.9	53	Bevel Pinion and Bevel Gear (sold only as a matched set)	
39	Wick (for HAS18, HAS30, HAS45, HAS60, TAS32 and TAS60 models)	LAS2-560		for HAS18, HAS45, HAS90 and TAS90 models	LA2-A552-1.9
40	Wick Retaining Ring (for HAS18, HAS30, HAS45, HAS60, TAS32 and TAS60 models)	182A53-685		for HAS30, TAS32 and TAS60 models	LA2-A552-1.7
				for HAS60 models	LA2-A552-1.3
				for HAS75 models	LA2-A552-2.4

## Angle Attachments Exploded Diagram



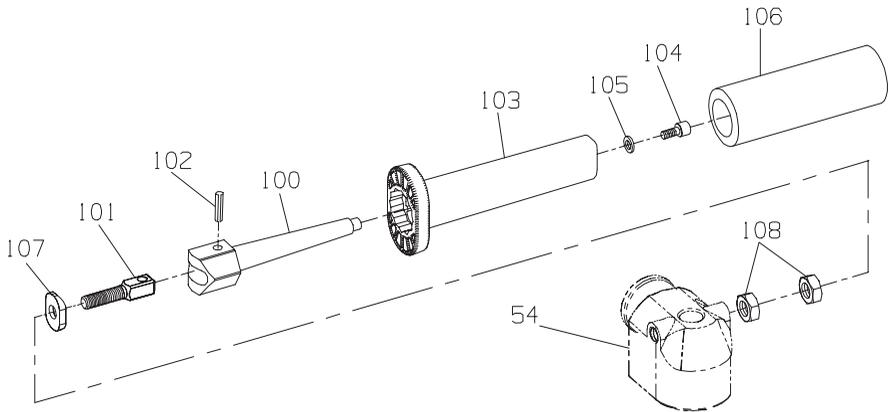
(Dwg. TPB946-2)

## Angle Attachments Parts List

Item	Part Description	Part Number
+ 54	Angle Housing Assembly	LA2-A550S
55	Clamp Spacer	LA2-46
56	Clamp Nut	LG2-27
57	Grease Fitting	D0F9-879
58	Upper Arbor Bearing	AG210-693
59	Wick	
	for HAS60 and TAS60 models	LA2-561
	for HAS75 models	LA2-562
	for all other models	LA2-560
60	Bevel Gear Nut	LA2-578
61	Lower Arbor Bearing	LA2-593
62	Arbor	
	for models ending in G4, G4C or G4L	AG220-4-G4
	for models ending in S10, S10C or S10L	LAS2-204-P10
63	Arbor Bearing Cap	AG20-531
64	Collet (for models ending in G4, G4C or G4L)	G160HD-700-1/4
65	Collet Nut (for models ending in G4, G4C or G4L)	DG120-699A
66	Collet Nut Wrench (included with all models ending in G4, G4C or G4L) (double-end 5/8" x 3/4")	DG120-69
67	Collet Body Wrench (double-end 1/2" x 9/16")	DG10-69
68	Clamp Nut Wrench (1-1/2")	LA2-253
69	Arbor Bearing Cap Wrench	LAS2-29

+ The LA2-A550S Angle Housing Assembly is furnished with three Wicks. Use Wick (LA2-561) **with** the single notch on HAS60 and TAS60 models; use Wick (LA2-526) **with** the double notch on HAS75 models; use Wick (LA2-560) **without** the notch on all other models.

## Ergo Handle Assembly Exploded Diagram



(Dwg. TPD1975)

### 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:  
 Product Safety Information Manual 04580387.  
 Product Information Manual 80211196.  
 Maintenance Information Manual 16574972.

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

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