



A USER-FRIENDLY AIR RANDOM ORBITAL SANDER

with longer life, less dust, less maintenance cost
that brings you better profit and best sale.

FEATURES FOR GP SANDER FAMILY

1. Bearing-oil leakage prevention performs longer life of bearing.
2. Internal-turbo-vacuum structure increase dust exhaust power.
3. Unique cylinder-air-intake ensures less maintenance damage.
4. 360° rotate + 33° swivel Exhaust Tube offers wide operating phase.

CE ISO-9001 Certified



• Safety lever may be adapted by lever-switch.



• Replace Pad by simply switch the pad lock.



PATENT

GPS-303 Series at 0.71kg

- Max. speed 12,000 rpm
- Light weight
- Low profile
- Less vibration



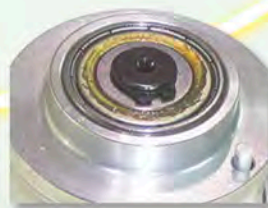
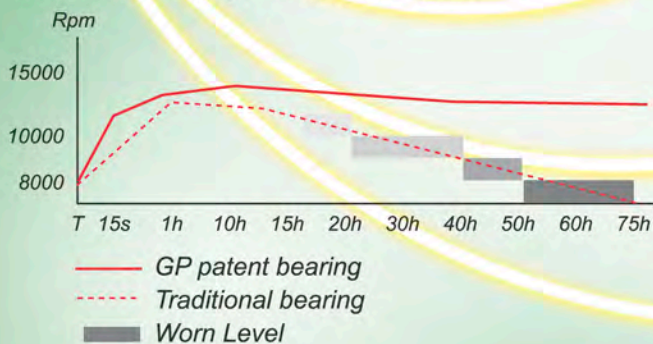
• Housing shroud totally protects housing from dust adhesion.



• GP Patent Bearing
100-hour leakage
test result

Durability of bearing

test under 1.5 kgf pressure for 75 hours



• Traditional Bearing
1-hour leakage
test result

For more information, please visit : <http://www.gison.com>

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  			Model	  		
GPS-301N Non-Vacuum	GPS-301C Central Vacuum	GPS-301S Self-Generated Vacuum		GPS-302N Non-Vacuum	GPS-302C Central Vacuum	GPS-302S Self-Generated Vacuum
GPS-301 Series				GPS-302 Series		
3", 3-1/2", 5", 6"			Pad Size	3", 3-1/2", 5", 6"		
12,000 RPM			Max. Speed	12,000 RPM		
0.63 kg	0.67 kg	0.66 kg	Net Weight (No Pad)	0.65 kg	0.69 kg	0.68 kg
158 mm	220 mm	210 mm	Length (No Pad)	158 mm	220 mm	210 mm
82 mm			Height (No Pad)	82 mm		
0.31 m ³ /min (10.9 cfm)			Air Cons.	0.31 m ³ /min (10.9 cfm)		
6.3 kg/m ² (90 psi)			Air Pressure	6.3 kg/m ² (90 psi)		
82 dBA	85 dBA	85 dBA	Sound Pressure	82 dBA	85 dBA	85 dBA
< 2.5 m/sec ²			Vibration	< 2.5 m/sec ²		
2.5mm (3/32"), 5.0mm (3/16")			Diameter Orbital	2.5mm (3/32"), 5.0mm (3/16")		

  			Model	  		
GPS-303N Non-Vacuum	GPS-303C Central Vacuum	GPS-303S Self-Generated Vacuum		GPS-304N Non-Vacuum	GPS-304C Central Vacuum	GPS-304S Self-Generated Vacuum
GPS-303 Series				GPS-304 Series		
3", 3-1/2", 5", 6"			Pad Size	3", 3-1/2", 5", 6"		
12,000 RPM			Max. Speed	12,000 RPM		
0.69 kg	0.75 kg	0.74 kg	Net Weight (No Pad)	0.69 kg	0.75 kg	0.74 kg
160 mm	251 mm	241 mm	Length (No Pad)	160 mm	251 mm	241 mm
86 mm			Height (No Pad)	86 mm		
0.27 m ³ /min (9.5 cfm)			Air Cons.	0.27 m ³ /min (9.5 cfm)		
6.3 kg/m ² (90 psi)			Air Pressure	6.3 kg/m ² (90 psi)		
81 dBA	84 dBA	84 dBA	Sound Pressure	81 dBA	84 dBA	84 dBA
< 2.5 m/sec ²			Vibration	< 2.5 m/sec ²		
2.5mm (3/32"), 5.0mm (3/16"), 7.0mm (9/32")			Diameter Orbital	2.5mm (3/32"), 5.0mm (3/16"), 7.0mm (9/32")		





Blue
2.5 mm (3/32")
Ultra Fine Sanding



Black
5 mm (3/16")
General Sanding



Violet
7 mm (9/32")
Aggressive Sanding

Features	GPS-301 Series	GPS-302 Series	GPS-303 Series	GPS-304 Series
Bearing-Oil Leakage prevention performs longer life.	O	O	O	O
Unique Cylinder-Air-Inlet ensures less maintenance damage.	O	O	O	O
360° rotate + 33° swivel Exhaust Tube offers wide operating phase. (Vacuum Type)	O	O	O	O
360° Adjust Exhaust Tube (Non-Vacuum Type)	O	O	O	O
Housing Shroud totally protects housing from dust adhesion.	X			
No Spanners Needed when Replacing Pad.	X	X	O	O
Optional Safety Lever	X	X	O	X

Model Number Code

Pad Size	Diameter Orbital	Vacuum Type	GPS-301 Series	GPS-302 Series	GPS-303 Series	GPS-304 Series
6"	2.5 mm	Non-Vacuum	GPS-301N6A	GPS-302N6A	GPS-303N6AS	GPS-304N6A
		Central Vacuum	GPS-301C6A	GPS-302C6A	GPS-303C6AS	GPS-304C6A
		Self-Generated Vacuum	GPS-301S6A	GPS-302S6A	GPS-303S6AS	GPS-304S6A
	5 mm	Non-Vacuum	GPS-301N6B	GPS-302N6B	GPS-303N6BS	GPS-304N6B
		Central Vacuum	GPS-301C6B	GPS-302C6B	GPS-303C6BS	GPS-304C6B
		Self-Generated Vacuum	GPS-301S6B	GPS-302S6B	GPS-303S6BS	GPS-304S6B
	7 mm	Non-Vacuum			GPS-303N6CS	GPS-304N6C
		Central Vacuum			GPS-303C6CS	GPS-304C6C
		Self-Generated Vacuum			GPS-303S6CS	GPS-304S6C
5"	2.5 mm	Non-Vacuum	GPS-301N5A	GPS-302N5A	GPS-303N5AS	GPS-304N5A
		Central Vacuum	GPS-301C5A	GPS-302C5A	GPS-303C5AS	GPS-304C5A
		Self-Generated Vacuum	GPS-301S5A	GPS-302S5A	GPS-303S5AS	GPS-304S5A
	5 mm	Non-Vacuum	GPS-301N5B	GPS-302N5B	GPS-303N5BS	GPS-304N5B
		Central Vacuum	GPS-301C5B	GPS-302C5B	GPS-303C5BS	GPS-304C5B
		Self-Generated Vacuum	GPS-301S5B	GPS-302S5B	GPS-303S5BS	GPS-304S5B
	7 mm	Non-Vacuum			GPS-303N5CS	GPS-304N5C
		Central Vacuum			GPS-303C5CS	GPS-304C5C
		Self-Generated Vacuum			GPS-303S5CS	GPS-304S5C
3-1/2"	2.5 mm	Non-Vacuum	GPS-301N4A	GPS-302N4A	GPS-303N4AS	GPS-304N4A
	5 mm	Non-Vacuum	GPS-301N4B	GPS-302N4B	GPS-303N4BS	GPS-304N4B
	7 mm	Non-Vacuum			GPS-303N4CS	GPS-304N4C
3"	2.5 mm	Non-Vacuum	GPS-301N3A	GPS-302N3A	GPS-303N3AS	GPS-304N3A
	5 mm	Non-Vacuum	GPS-301N3B	GPS-302N3B	GPS-303N3BS	GPS-304N3B
	7 mm	Non-Vacuum			GPS-303N3CS	GPS-304N3C



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Sanding Pad

Pad Size	Specification		Weight (g)	Thickness (mm)	Model Number
	Hole	Adhesion			
3"	0	Velcro	80	13.0	PADV30F1
		P.S.A.	80	12.5	PADS30F1
3-1/2"	0	Velcro	90	16.5	PADV40F1
		P.S.A.	90	16.0	PADS40F1
5"	5	Velcro	100	9.5	PADV50F1
		P.S.A.	104	9.0	PADS50F1
5"	6	Velcro	97	9.5	PADV55F1
		P.S.A.	101	9.0	PADS55F1
5"	6	Velcro	94	9.5	PADV56F1
		P.S.A.	98	9.5	PADS56F1
6"	6	Velcro	136	10.5	PADV80F1
		P.S.A.	136	10.0	PADS60F1
6"	6	Velcro	131	10.5	PADV66F1
		P.S.A.	136	10.0	PADS66F1
6"	7	Velcro	134	13.5	PADV67F1

Panel Material F.R.P.



Velcro (Hook Face)



P.S.A. (Vinyl Face)

GPS-303N Non-Vacuum			GPS-303C Central Vacuum			GPS-303S Self-Generated Vacuum			Model			GPS-301N Non-Vacuum			GPS-301C Central Vacuum			GPS-301S Self-Generated Vacuum											
3", 3-1/2", 5", 6"						12,000 R.P.M.						Pad Size			3", 3-1/2", 5", 6"														
0.69 kg						0.75 kg						0.74 kg						Max. Speed			12,000 R.P.M.								
160 mm			251 mm			241 mm			Length (No Pad)			158 mm			220 mm			210 mm											
86 mm						86 mm						Height (No Pad)			82 mm														
0.27 m ³ /min (9.5 cfm)						90 psi						Air Cons.			0.31 m ³ /min (10.9 cfm)														
81 dBA						84 dBA						84 dBA						Air Pressure			90 psi								
< 2.5m / sec ²						< 2.5m / sec ²						Sound Pressure			82 dBA						85 dBA			85 dBA					
2.5 mm (3/32")						5.0 mm (3/16")						7.0 mm (9/32")						Vibration			< 2.5m / sec ²								
2.5 mm (3/32")						5.0 mm (3/16")						7.0 mm (9/32")						Diameter Orbital			2.5 mm (3/32")						5.0 mm (3/16")		
Blue 2.5 mm (3/32") Ultra Fine Sanding			Black 5 mm (3/16") General Sanding			Violet 7 mm (9/32") Aggressive Sanding																							
Pad Size	Diameter Orbital	Vacuum Type	GPS-303 series	GPS-301 series																									
6"	2.5 mm	Non-Vacuum	GPS-303N6AS	GPS-301N6A																									
		Central Vacuum	GPS-303C6AS	GPS-301C6A																									
		Self-Generated Vacuum	GPS-303S6AS	GPS-301S6A																									
	5 mm	Non-Vacuum	GPS-303N6BS	GPS-301N6B																									
		Central Vacuum	GPS-303C6BS	GPS-301C6B																									
		Self-Generated Vacuum	GPS-303S6BS	GPS-301S6B																									
7 mm	Non-Vacuum	GPS-303N6CS	GPS-301N6C																										
	Central Vacuum	GPS-303C6CS	GPS-301C6C																										
	Self-Generated Vacuum	GPS-303S6CS	GPS-301S6C																										
5"	2.5 mm	Non-Vacuum	GPS-303N5AS	GPS-301N5A																									
		Central Vacuum	GPS-303C5AS	GPS-301C5A																									
		Self-Generated Vacuum	GPS-303S5AS	GPS-301S5A																									
	5 mm	Non-Vacuum	GPS-303N5BS	GPS-301N5B																									
		Central Vacuum	GPS-303C5BS	GPS-301C5B																									
		Self-Generated Vacuum	GPS-303S5BS	GPS-301S5B																									
7 mm	Non-Vacuum	GPS-303N5CS	GPS-301N5C																										
	Central Vacuum	GPS-303C5CS	GPS-301C5C																										
	Self-Generated Vacuum	GPS-303S5CS	GPS-301S5C																										
3-1/2"	2.5 mm	Non-Vacuum	GPS-303N4AS	GPS-301N4A																									
	5 mm	Non-Vacuum	GPS-303N4BS	GPS-301N4B																									
	7 mm	Non-Vacuum	GPS-303N4CS	GPS-301N4C																									
3"	2.5 mm	Non-Vacuum	GPS-303N3AS	GPS-301N3A																									
	5 mm	Non-Vacuum	GPS-303N3BS	GPS-301N3B																									
	7 mm	Non-Vacuum	GPS-303N3CS	GPS-301N3C																									

Model Number code

www.gison.com



Air Random Orbital Sander
GPS-303 / 301 SERIES



ISO-9001 Certified



Bearing-Oil Leakage prevention performs longer life *Patented*

GPS-301 GPS-303

- Patent Bearing with oil leakage prevention, at front and rear cylinder plates, extends bearing's life.
- No dust mixing with bearing-grease extends sander's life.

New GPS Series



Mechanism tested over 1,500 hours
No Grease leaks

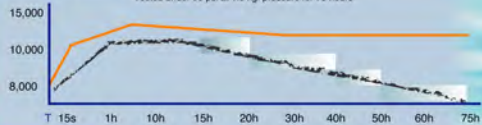
Other Brand Sanders



Mechanism tested for 1 hour
Grease leaks seriously

Durability of Bearings

Tested under 90 psi at 1.5 kgf pressure for 75 hours



— Bearing-Oil Leakage prevention GPS-301,303

- - - W/O Bearing-Oil Leakage prevention Other Sanders

█ Worn Level

GPS-303 Series Functions



Dust Free Shroud



No Spanner Design *Patented*

GPS-303

Replace pad by simply turn the pad Lock switch without spanner.



Cylinder Air Intake *Patented*

GPS-301 GPS-303

Unique Cylinder-Air-Inlet ensures less maintenance damage and longer life.

Wide-Range Swivel Exhaust Tube

GPS-301C/S GPS-303C/S

360° rotate + 33° swivel Exhaust Tube offers wider operating range. (Vacuum Type)

Air Exhaust Direction 360° Adjustable

GPS-301N GPS-303N

Air exhaust at the muffler can be 360° adjusted for user's consideration. (Non-Vacuum Type)

Optional Safety Lever *Patented*

GPS-303

Safety function may be adapted by turning Safety Button Switch, which provides either safe or efficient functions.

● **Bearing-Oil Leakage prevention performs longer life** *Patented*

GPS-301 GPS-302 GPS-303 GPS-304

- Patent Bearing with oil leakage prevention, at front and rear cylinder plates; extends bearing's life.
- No dust mixing with bearing-grease extends sander's life.

New GPS Series



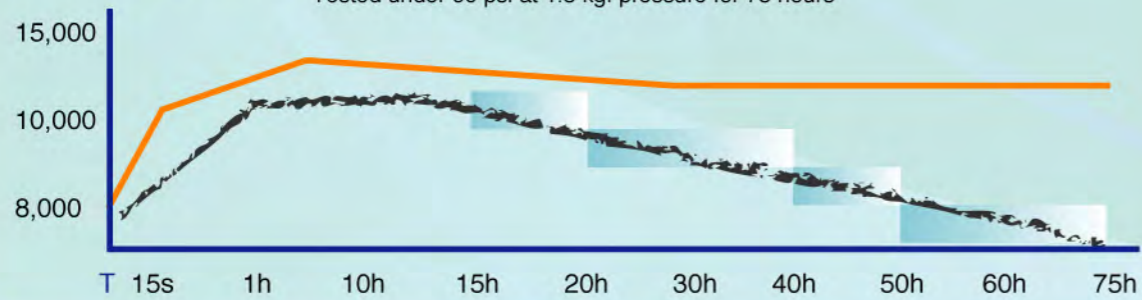
Mechanism tested over 1,500 hours
No Grease leaks



Mechanism tested for 1 hour
Grease leaks seriously

Durability of Bearings

Tested under 90 psi at 1.5 kgf pressure for 75 hours



— Bearing-Oil Leakage prevention GPS Series Sanders
- - - W/O Bearing-Oil Leakage prevention Other Sanders

Worn Level

● **No Spanner Design** *Patented*

GPS-303 GPS-304

Replace pad by simply turn the pad Lock switch without spanner.



AIR RANDOM ORBITAL SANDER



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AIR RANDOM ORBITAL SANDER



GPS-301N Non-Vacuum 3", 3-1/2"



GPS-301N Non-Vacuum 5", 6"



GPS-301C Central-Vacuum 5", 6"



GPS-301S Self-Generated Vacuum 5", 6"

Diameter Orbital:

(Color of lever)



2.5mm(3/32")
Blue Ultra fine Sanding



5mm(3/16")
Black General Sanding

Features : (Patents Patented)

1. Bearing-Oil Leakage prevention performs longer life.
2. Unique Cylinder-Air-Inlet ensures less maintenance damage.
3. Housing Shroud totally protects housing from dust adhesion. (Only for GPS-302 Series)



GPS-301
Bottom View



GPS-302
Bottom View

Specifications

Model	Pad Size	Max. Speed (rpm)	Net Weight (No Pad) (kg)	Length (No Pad) (mm)	Height (No Pad) (mm)	Air Cons. (m ³ /min)	Air Inlet (inch)	Hose Size (mm)	Sound Pressure (dBA)	Vibration (m/S ²)	Recommended Air Pressure 90psi (6.3kg/cm ²)	
											Packing	
GPS-301N	3", 3-1/2", 5", 6"	12,000	0.63	158	82	0.31	1/4"	6.5	84	<2.5	12pcs/1.8cu-ft/G.W.: 13kgs	
GPS-301C	5", 6"	12,000	0.67	220	82	0.31	1/4"	6.5	85	<2.5	8pcs/1.5cu-ft/G.W.: 10kgs	
GPS-301S	5", 6"	12,000	0.66	210	82	0.31	1/4"	6.5	88	<2.5	6pcs/1.8cu-ft/G.W.: 9kgs	
GPS-302N	3", 3-1/2", 5", 6"	12,000	0.65	158	82	0.31	1/4"	6.5	84	<2.5	12pcs/1.8cu-ft/G.W.: 13kgs	
GPS-302C	5", 6"	12,000	0.69	220	82	0.31	1/4"	6.5	85	<2.5	8pcs/1.5cu-ft/G.W.: 10kgs	
GPS-302S	5", 6"	12,000	0.68	210	82	0.31	1/4"	6.5	88	<2.5	6pcs/1.8cu-ft/G.W.: 9kgs	

AIR RANDOM ORBITAL SANDER (No Spanner Series)



GPS-304N Non-Vacuum 3", 3-1/2"



GPS-304N Non-Vacuum 5", 6"



GPS-304C Central-Vacuum 5", 6"



GPS-304S Self-Generated Vacuum 5", 6"

Diameter Orbital:

(Color of lever)



2.5mm(3/32")
Blue Ultra fine Sanding



5mm(3/16")
Black General Sanding



7mm(9/32")
Violet Aggressive Sanding

Features : (Patents Patented)

1. Bearing-Oil Leakage prevention performs longer life.
2. Unique Cylinder-Air-Inlet ensures less maintenance damage.
3. No Spanner Needed when Replacing Pad.
4. Housing Shroud totally protects housing from dust adhesion.
5. Optional Safety Lever. (Only for GPS-303 Series)



No Spanner design



Bottom View



GPS-303
Safety Lever design

Specifications

Model	Pad Size	Max. Speed (rpm)	Net Weight (No Pad) (kg)	Length (No Pad) (mm)	Height (No Pad) (mm)	Air Cons. (m ³ /min)	Air Inlet (inch)	Hose Size (mm)	Sound Pressure (dBA)	Vibration (m/S ²)	Recommended Air Pressure 90psi (6.3kg/cm ²)	
											Packing	
GPS-304N	3", 3-1/2", 5", 6"	12,000	0.69	160	86	0.29	1/4"	6.5	83	<2.5	12pcs/1.8cu-ft/G.W.: 13.2kgs	
GPS-304C	5", 6"	12,000	0.75	251	86	0.29	1/4"	6.5	84	<2.5	8pcs/1.5cu-ft/G.W.: 10.2kgs	
GPS-304S	5", 6"	12,000	0.74	241	86	0.29	1/4"	6.5	88	<2.5	6pcs/1.8cu-ft/G.W.: 9.2kgs	
GPS-303N	3", 3-1/2", 5", 6"	12,000	0.69	160	86	0.29	1/4"	6.5	83	<2.5	12pcs/1.8cu-ft/G.W.: 13.2kgs	
GPS-303C	5", 6"	12,000	0.75	251	86	0.29	1/4"	6.5	84	<2.5	8pcs/1.5cu-ft/G.W.: 10.2kgs	
GPS-303S	5", 6"	12,000	0.74	241	86	0.29	1/4"	6.5	88	<2.5	6pcs/1.8cu-ft/G.W.: 9.2kgs	