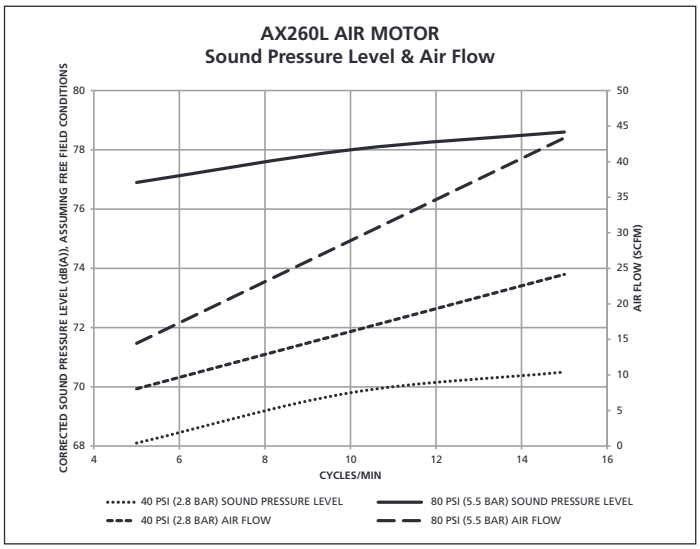
AX260L
Air Motor Assemblies

Patent 7,603,855



SPECIFICATIONS

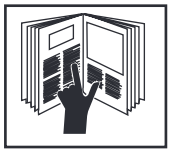
	AX260L-5	AX260L-6	AX260L-7	AX260L-8
Maximum air inlet pressure:	72.5 psi (5 bar)	87 psi (6 bar)	101.5 psi (7 bar)	116 psi (8 bar)
Maximum recommended continuous cycle rate:	20 cycles/min [40 strokes]			
Maximum recommended intermittent cycle rate:	30 cycles/min [60 strokes]			
Air inlet connection:	3/4" BSPP / NPS (f)			
Nominal pump stroke:	5 in (127 mm)			
Maximum operating temperature:	160°F (71°C)			
Weight:	78 Lb (35 Kg)			

In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

⚠ WARNING	⚠ CAUTION	NOTE
Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.	**Hazards or unsafe practices which could result in minor personal injury, product or property damage.**	**Important installation, operation or maintenance information.**

⚠ WARNING

Read the following warnings before using this equipment.



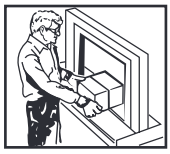
READ THE MANUAL
Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.

WEAR SAFETY GLASSES
Failure to wear safety glasses with side shields could result in serious eye injury or blindness.

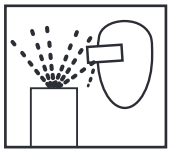
DE-ENERGIZE, DEPRESSURIZE, DISCONNECT AND LOCK OUT ALL POWER SOURCES DURING MAINTENANCE
Failure to De-energize, disconnect and lock out all power supplies before performing equipment maintenance could cause serious injury or death.

OPERATOR TRAINING
All personnel must be trained before operating finishing equipment.

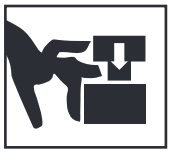
EQUIPMENT MISUSE HAZARD
Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.



KEEP EQUIPMENT GUARDS IN PLACE
Do not operate the equipment if the safety devices have been removed.



PROJECTILE HAZARD
You may be injured by venting liquids or gases that are released under pressure, or flying debris.



PINCH POINT HAZARD
Moving parts can crush and cut. Pinch points are basically any areas where there are moving parts.

AUTOMATIC EQUIPMENT
Automatic equipment may start suddenly without warning.

INSPECT THE EQUIPMENT DAILY
Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.

NEVER MODIFY THE EQUIPMENT
Do not modify the equipment unless the manufacturer provides written approval.

KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY

PRESSURE RELIEF PROCEDURE
Always follow the pressure relief procedure in the equipment instruction manual.

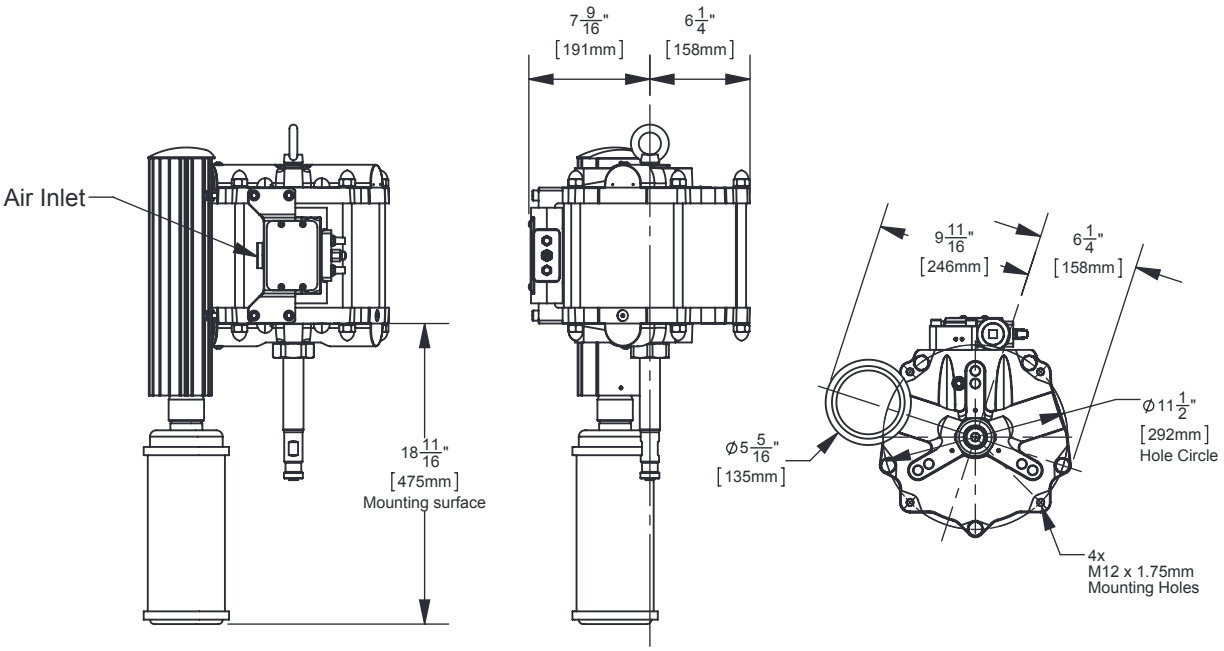
NOISE HAZARD
You may be injured by loud noise. Hearing protection may be required when using this equipment.

HIGH PRESSURE CONSIDERATION
High pressure can cause serious injury. Relieve all pressure before servicing. Spray from the spray gun, hose leaks, or ruptured components can inject fluid into your body and cause extremely serious injury.

STATIC CHARGE
Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT.

AX260L AIR MOTOR ASSEMBLIES



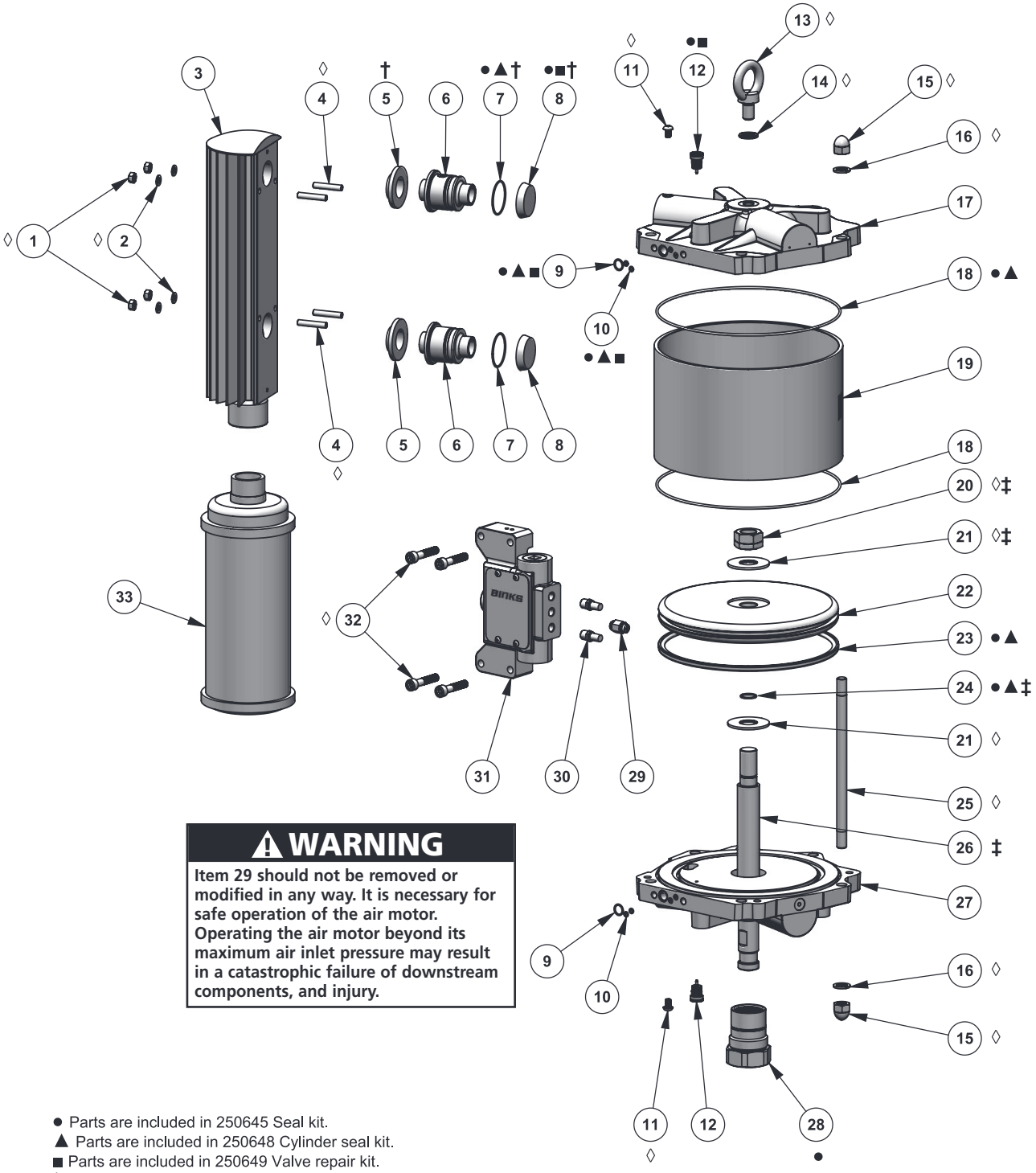
MAINTENANCE

INSPECTION	OPERATION	
Daily	Check for general air leakage and correct motor operation.	
6 Month Test	Perform a pump stall test to ensure correct operation.	
	Perform a stall test on the pump assembly. If air is escaping through exhaust, check air motor piston seal and QEV piston, replace as required.	
12 to 36 Months **(Typically 10 million pump cycles, dependant on air quality)**	Replace air piston seal. Replace motor rod cartridge assembly. Replace poppet assemblies.	Order a 250645 Seal kit.
	Inspect and replace if required: Main valve assembly parts	Order a 250649 Valve repair kit.

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	REMEDY
Motor will not run	No air supply.	Check air and fluid supply ball valves and supply hoses.
	Air piston seal worn.	Replace piston seal.
	Poppet assemblies are not working.	Switch/interchange poppet assemblies to isolate the faulty poppet, and clean or replace.
	Main valve assembly is not working.	Check the main valve assembly, and clean or replace.
	QEV's are not working.	Check for constant exhaust air when pump is not in a stalled condition. Check the QEV pistons, and clean or replace.
Pump runs but has excessive pulsation	Worn piston seal.	Replace piston seal.
	Worn/failed motor rod seals.	Replace motor rod cartridge assembly.
	Damaged QEV.	Inspect, clean and replace as required.
	Damaged poppet assembly.	Inspect, clean and replace as required.
	Air exhaust restricted	Inspect, clean and replace as required.

AX260L AIR MOTOR ASSEMBLIES



⚠ WARNING

Item 29 should not be removed or modified in any way. It is necessary for safe operation of the air motor. Operating the air motor beyond its maximum air inlet pressure may result in a catastrophic failure of downstream components, and injury.

● Parts are included in 250645 Seal kit.
▲ Parts are included in 250648 Cylinder seal kit.
■ Parts are included in 250649 Valve repair kit.
◊ Parts are included in 250650 Hardware kit.
† Parts are included in 250651 Exhaust seal kit.
‡ Parts are included in 250652 Motor rod kit.

Recommended grease p/n: AGMD-010

AX260L AIR MOTOR ASSEMBLIES

ITEM NO.	PART NO.		DESCRIPTION	QTY.	Comments.
1	192049	◊	M8 HEX NUT S.S.	4	
2	165108	◊	M8 LOCKWASHER S.S.	4	
3	193159		EXHAUST MANIFOLD ASSEMBLY	1	
4	165994	◊	M8 X 44 STUD S.S.	4	
5	193363	†	EXHAUST GASKET	2	
6	193320		QEV CAP	2	
7	162765	• ▲ †	O-RING 2 x 46	2	
8	0115-010463	• ■ †	QEV PISTON	2	
9	162766	• ▲ ■	O-RING 2 x 13	2	
10	0115-010051	• ▲ ■	O-RING 2 x 4	4	
11	177000	◊	M8 x 12mm BUTTON HEAD SCREW S.S.	2	
12	0115-010037	• ■	POPPET ASSEMBLY	2	
13	192441	◊	M16 EYE BOLT	1	
14	165100	◊	M16 LOCKWASHER S.S.	1	
15	165981	◊	M14 X 2 DOME NUT S.S.	10	
16	165982	◊	M14 LOCKWASHER	10	
17	0115-010404		UPPER END CAP	1	
18	162768	• ▲	O-RING 3 x 261	2	
19	0115-010341		CYLINDER	1	
20	0115-010348	◊ ‡	M24 LOCKNUT	1	
21	0115-010475	◊ ‡	PISTON WASHER	2	
22	0115-010346		PISTON	1	
23	0115-010351	• ▲	GLYDE RING	1	
24	0115-010049	• ▲ ‡	O-RING 2 x 20	1	
25	193150	◊	TIE ROD	5	
26	193321	‡	MOTOR ROD	1	
27	0115-010405		LOWER END CAP	1	
28	193249	•	MOTOR ROD CARTRIDGE ASSEMBLY	1	
29	0114-014716		PRESSURE RELIEF VALVE 72 psi (5 bar)	1	AX260L-5
	193538		PRESSURE RELIEF VALVE 87 psi (6 bar)		AX260L-6
	193539		PRESSURE RELIEF VALVE 101 psi (7 bar)		AX260L-7
	0114-014774		PRESSURE RELIEF VALVE 116 psi (8 bar)		AX260L-8
30	0115-010443		VALVE MUFFLER	2	
31	0115-010471		MAIN VALVE ASSEMBLY	1	
32	165567	◊	M10 x 50 SOCKET HEAD CAP SCREW S.S.	4	
33	192509		SILENCER	1	
34	165990	■ ◊	M8 x 55 SOCKET HEAD CAP SCREW S.S.	4	
35	0115-010456		MANIFOLD	1	
36	0115-010460	• ▲ ■	GASKET	1	
37	0115-010425	■	VALVE BLOCK END CAP	2	
38	162767	• ▲ ■	O-RING 2 x 30	2	
39	0115-010428	■	MAGNET	2	
40	0115-010427	■	BUMPER	2	
41	0115-010431	■	SPACER	2	
42	0115-010424	■	SPOOL AND SLEEVE ASSEMBLY	1	
43	0115-010454		VALVE BLOCK	1	

- • Parts are included in 250645 Seal kit.
- ▲ Parts are included in 250648 Cylinder seal kit.
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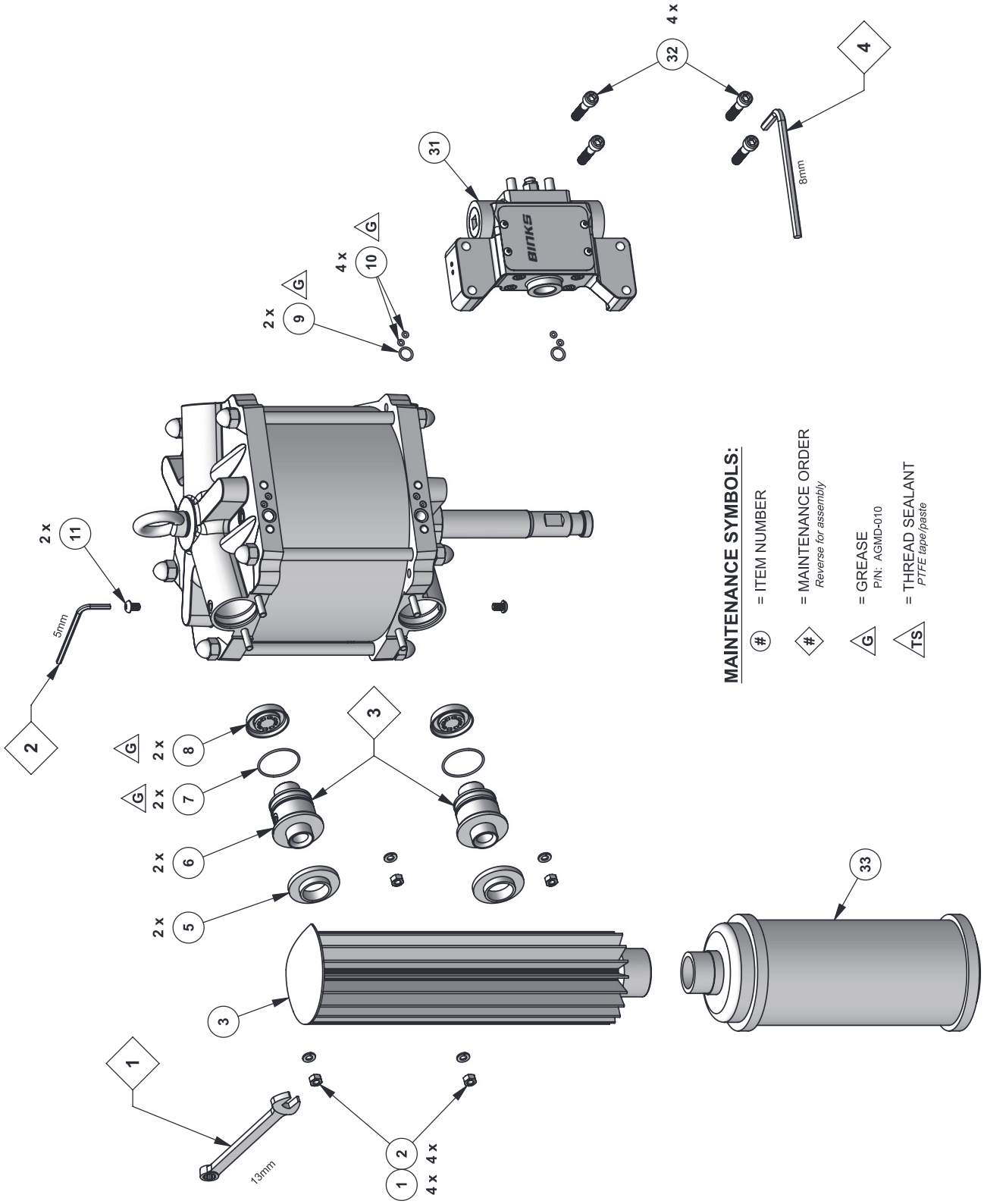
Item 31, 0115-010471 contains items 34 - 43.

AX260L AIR MOTOR ASSEMBLIES – MAINTENANCE



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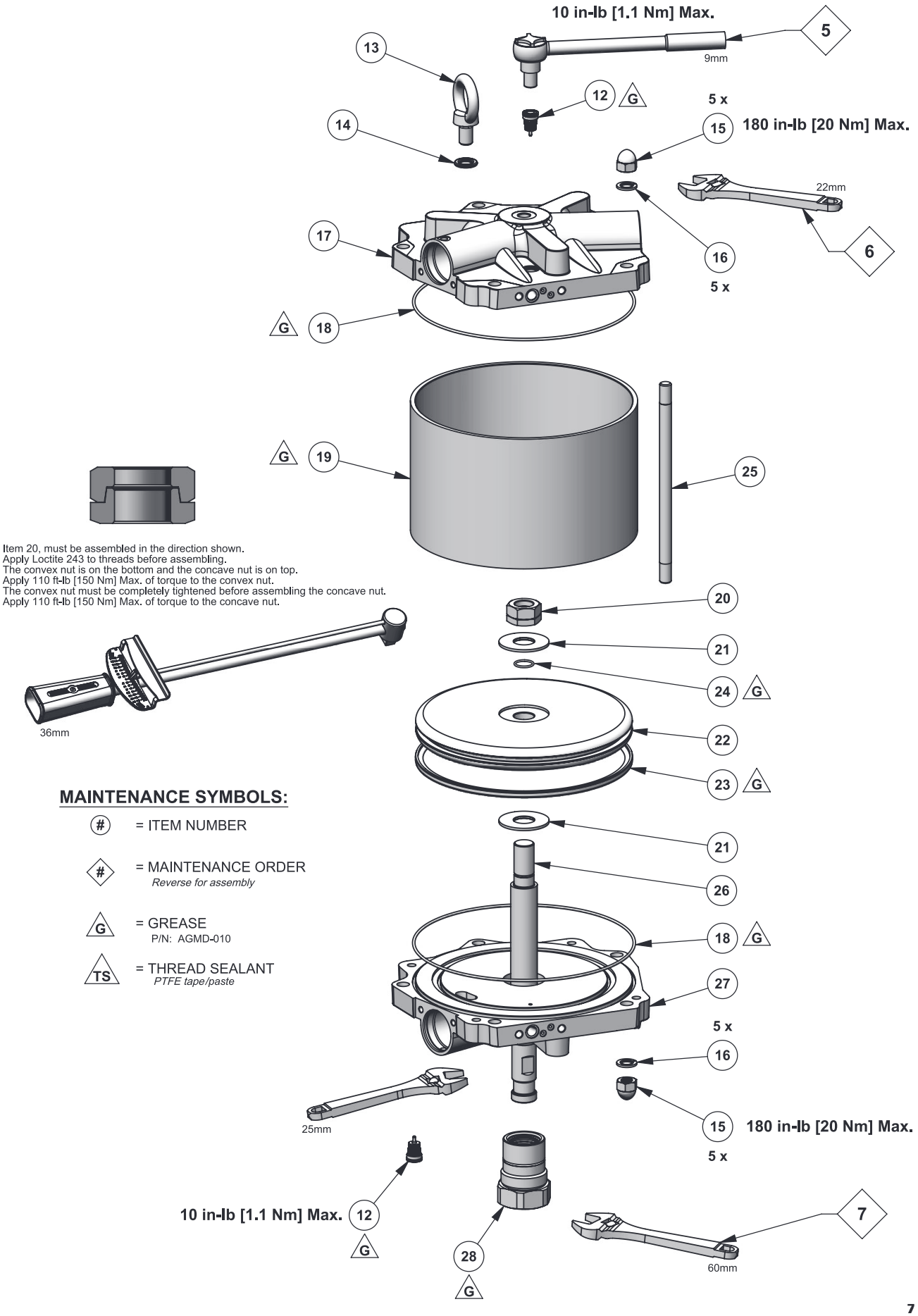


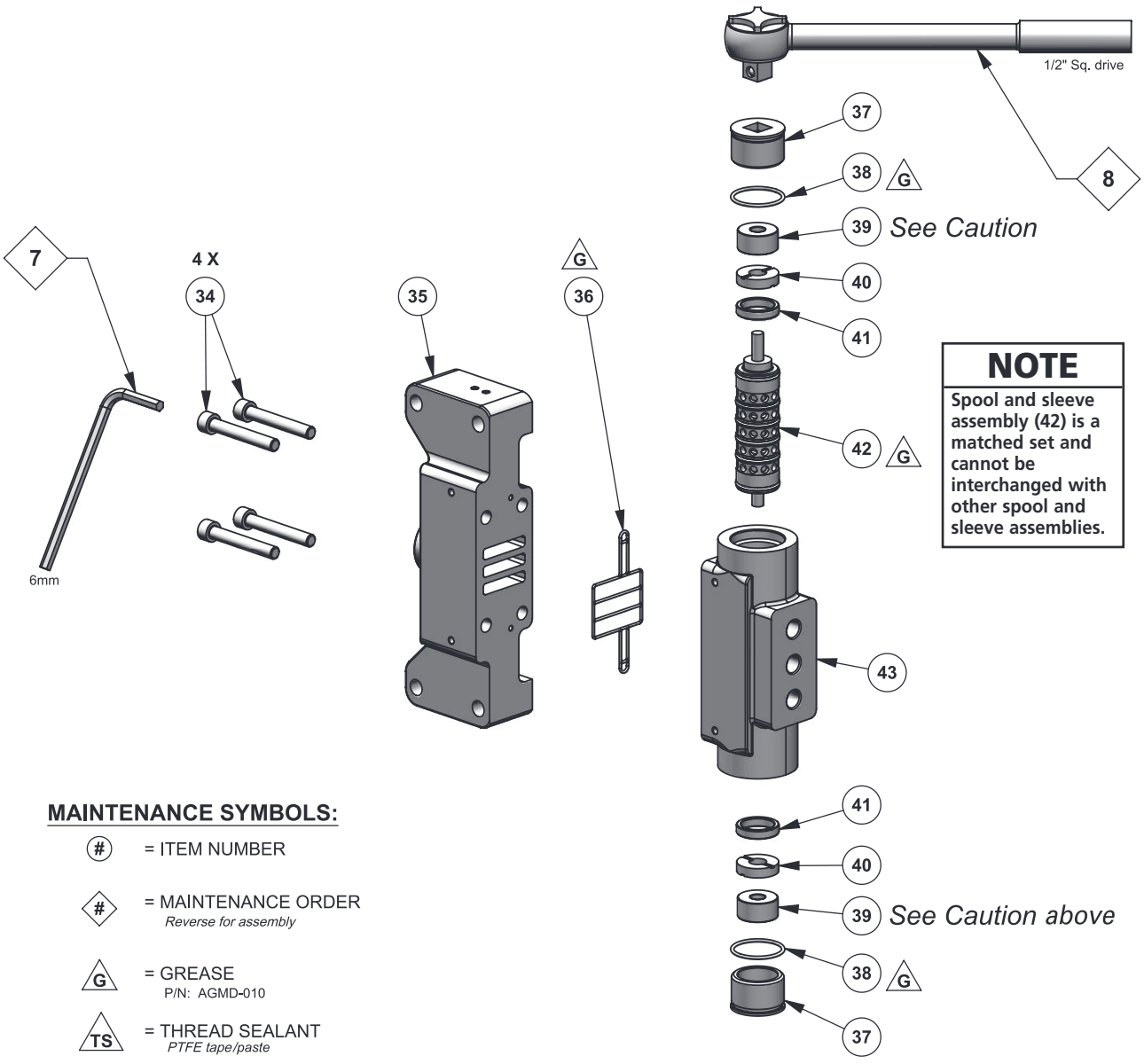
AX260L AIR MOTOR ASSEMBLIES – MAINTENANCE

DANGER

You are in the presence of magnetic fields which may interfere with the operation of certain pacemakers.

CAUTION

Take care when handling the magnets (39). Avoid getting magnets in close proximity to each other. Injury or damage to magnets may result.



NOTE

Spool and sleeve assembly (42) is a matched set and cannot be interchanged with other spool and sleeve assemblies.

MAINTENANCE SYMBOLS:

(#) = ITEM NUMBER

◇# = MAINTENANCE ORDER
Reverse for assembly

△G = GREASE
P/N: AGMD-010

△TS = THREAD SEALANT
PTFE tape/paste

NOTES

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NOTES

Note: Read and follow all instructions and safety precautions before using this equipment.

Product Descriptions

AX260L-5	AX260L Air Motor Assembly
AX260L-6	AX260L Air Motor Assembly
AX260L-7	AX260L Air Motor Assembly
AX260L-8	AX260L Air Motor Assembly

This product is designed for use with Solvent based and Waterborne materials. Suitable for use in Zone 1 and 2, Protection Level: **II 2 G X**

Manufacturer: **Binks PCE**
Justus-von-Liebig - Strasse,
63128 Dietzenbach. DE

EU Declaration of Conformity

We: Binks declare that the above product conforms with the Provisions of Machinery Directive 2006/42/EC and the ATEX Directive 94/9/EC by complying with the following statutory documents and harmonized standards:

Machinery Safety Standards EN ISO 12100, EN ISO 4413, EN ISO 4414 & EN12621
Explosion Prevention Potentially Explosive Atmospheres EN 1127-1
Non-electrical Equipment for Potentially Explosive Atmospheres BS EN 13463-1
Constructional Safety for Potentially Explosive Atmospheres EN 13463-5

Providing all conditions of safe use stated within the product manuals have been complied with and that the final equipment into which this product is installed has been re-assessed as required, in accordance with essential health and safety requirements of the above standards, directives and statutory instruments and also installed in accordance with any applicable local codes of practice.

H Beiersdorfer (General Manager)
15th February 2012

WARRANTY
This product is covered by Binks' 5 Year Limited Warranty.

Binks European Sales and Service Listing: www.finishingbrands.eu

Binks

Binks has authorized distributors throughout the world. For technical assistance or the distributor nearest you, see listing below.

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Dorset BH11 9LH. **UK**
Tel: +44 (0)1202 571 111
Fax: +44 (0)1202 573 488
General e-mail: info@finishingbrands.eu

Surfaces et Finitions:
163-171 Av. des Auréats
26014 Valence cedex. **FR**
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General e-mail: info@finishingbrands.eu

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