



Operation and Maintenance Guide



AG 4



AG 7

Models	Descriptions	IMPA Code
AG 4	Pneumatic Angle Grinder	59 03 01
AG 7	Pneumatic Angle Grinder	59 03 02

Read this manual carefully before installing, operating or servicing this equipment. It's the responsibility of the employer to ensure this manual is read by the operator. Please preserve this manual.

This document is issued with Product Serial No

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Introduction

Teryair Pneumatic Angle Grinders are well suited for rugged production use. They are economically designed and kept as light as possible to reduce fatigue. Speed governors are standard equipment which ensure optimum performance.

Technical Data

Teryair Model No	IMPA Code	Wheel Size mm	Free Speed R.P.M	Air Inlet	Air Hose mm	Spindle Thread Wheel	Weight Kgs
AG 4	59 03 01	100	13,600	1/4"	9.5	M10 x 1.5 P	1.7
AG 7	59 03 02	180	7,600	3/8"	12.7	M12 x 1.25 P	3.0

Intended Use

- Teryair angle grinder AG-4 is rugged and dependable tool to give you years of satisfactory service. It is generally used for sanding, rust removal, rough grinding and cutting application.

Prohibitive Use

Pneumatic angle grinder is prohibited to be used for purposes other than mentioned in intended use.

Following safety precautions should be taken

- Wear appropriate Personal Protective equipments .
- Do keep hands & clothing away from moving parts.
- Pneumatic angle grinder should be stored in dry environment.
- Do not allow the pneumatic angle grinder to run unattended.
- Do not modify pneumatic angle grinder.
- Please check the hose connection prior to starting the pneumatic angle grinder.

Safety Instructions

- Stay alert and use common sense - Do not Always wear suitable protection, eye goggles, ear muffs, safety shoes etc to safe guard against possibility of flying particles. Ensure that a wheel guard is fitted onto the tool and the wheel is secured properly. Never operate the tool over the rated 90 psi pressure, Check that all bolts and other fasteners are tightened correctly. Do not exert excessive pressure against the work surface. Never use larger wheels than recommended and check new wheels for cracks before using them on the tool. Keep hoses in good condition. Check hoses for wear and ensure that fittings are secure. Accidental disconnection while tool is in use can make the hose whip and can be safety hazard.
- Only well- instructed personal should operate the tool. Any integral part of this tool should not be removed for independent use or for any other application. Always observe safe working practice and local safely regulation at all times. Do not use this tool in wet location. Do not expose to rain. Do not modify the tool and also do not use it for any heavy work more than for which it is intended for. Disconnect the tool from air supply when not in use. Do not use in appropriate attachment in an attempt to exceed max. capacity of the tool.

Daily Before Operation

Disconnect and pour in 1 to 2 ounces of recommended oil into the air inlet and reconnect hose after blowing out any accumulated dirt in the hose line before connection. Tighten both spindle nuts properly

Air Supply

To enable the tool to function satisfactorily, it is essential that a constant 80 PSI pressure of clean dry air is supplied to the Inlet Nipple. A short leader hose of 9.5 mm I.D. should be attached to the tool and length of the hose should be less than 12 meters. The installation of air line separator, a filter to purify and dry the air supply (FRL unit) recommended and should be connected as close to the tool as operation allows.

Maintenance

1. Disconnect air supply and remove inlet connection from Air inlet nipple (26) Unscrew and remove air inlet nipple (26) with help of allen key, unscrew and remove four nos socket head screws (15) along with spring washers (4) Hold side handle (35) in one hand and pull out rotor housing (25) along with complete drive assembly. Keep aside assy. In spindle housing (13) Now pull out drive assy. By holding pinion gear (17) Tap out ball bearing (11) at rear end of rotor so that rear end plate (24) will also come out. Slide out cylinder (22) but take care not to fall down rotor blade (21) keep aside rotor blades (21) Now hold some flat in the slot of rotor (20) and with help of wheel spanner (33) unlock pinion gear and remove it. Tap gently on to front end plate (18) so that it will come out along with two ball bearings (11) Remove bearing spacer (19) If necessary tap out roll pin (32) so that lever (31) will come out. Unscrew valve cap (27) and press from other side valve stem (30) and valve spring (28)
2. Now to dismantle driven side assy.- Unscrew spindle nut (1) with help of wrench (34) out take out grinding wheel (2) Unscrew and

- remove socket head screws four nos for wheel guard (5) along with four spring washers (4) and remove wheel guard (5)
3. Now rest faced ball bearing (8) by keeping same space between two jaws of vice so that spindle (6) will
4. remain free within keep aside spacer (12). Take a solid pin and rest it on face of spindle and tap it so that
5. bearing (11) on spindle end will come out.
6. Now with help of circlip plier take out circlip (10) and again tap an end of spindle (6) so that bevel gear (9)
7. and bearing (8) will come out. Pull out Woodruff key (7)
8. Clean all metal parts in light solvent and inspect carefully for signs of wear. Replace components that
9. appear worn out or damaged. Coat parts with recommended light oil and reassemble carefully in the reverse sequence.

Lubrication Requirements

Always install a line lubricator on the air line as close to the tool as possible. A filter-regulator lubricator unit (FRL) is strongly recommended. Keep the lubricator bowl topped up with recommended grade of oil and check that the oil is reaching the tool. Running the tool without lubrication is likely to cause damage to the components causing premature replacement.

Suggested Lubricants

Brand	Above 27°C / 80°F	5°C to 27°C / 41°F to 80°F	Below 5°C / 80°F
Shell	Toona R 72	Toona R 41	Toona R 27
Mobil	Almo 529	Almo 527	Almo 525
Esso	--	Arox EP.65	Arox EP.45
Caltex	Rando Oil 100	Rando Oil 100	Rando Oil 46
Cp	--	--	Airolene Tool Oil
Texaco	Regal Oil F (R&O)	Regal Oil PE(P&E)	Regal Oil PE(R&O)
Daltron	Silkolene 881	Silkolene 548/T	Silkolene 733
Burmah Castrol	Castrol RD Oil 3	Castrol RD Oil Light	Megna SPX
Duckham	Garnet 7	Garnet 6	Zero Fio 5
Sternol	Merlin 87	Merlin 71	Merlin 54
Petrolina	Purifoc 53	Purifoc 46	Purifoc 32
Chevron	Vistac Oil 18X	Vistac Oil 19X	Vistac Oil 9X

TEST CERTIFICATE OF MATERIALS, PERFORMANCE

Date :

Model number :

Part description & s.No. :

We hereby certify that the above referenced product has tested and inspected in accordance with our standard test procedures and meets the specifications for material and performance values as published in our literature. We further certify that the product has been given our standard factory test and meets all quality and performance standards established by the company. This product is certified to be produced in our factory, and is of current production.



Authorised Signatory

Q.A Manager

Place - Vasai, Maharashtra

EU DECLARATION OF CONFORMITY

We hereby certify that the Listed Product stipulated below comply with all relevant provisions of the machinery directive (2006/42/EC) and the national laws and regulations adopting this directive.

Description :
Model Number :
Date :
Serial Number :

Is in conformity with the provisions of the following European Directives: (2006/42/EC) Machinery Safety and Harmonized standards

ISO 12100-1: 2010: Safety of Machinery –general Principles for Design –Risk Assessment and Risk Reduction.

Registered Office : 416 Gundecha Industrial Complex, Akuril Road,
Kandivali East, Mumbai – 400101, Maharashtra, India.
Web site : www.teryair.com
Works : A-1, Tirupati Udyog Nagar, Sativali Road, Vasai East,
Palghar – 401208, Maharashtra, India.

CE certification registration no – C E 16832

Issued by – BMQR Certifications Pvt Ltd.
www.cemarking-india.com

Valid Till – 03/11/2021

Signed for and on behalf of



TERYAIR EQUIPMENT PVT. LTD.

Place of Issue:
Date:



Warranty Certificate

Every product manufactured by Teryair is built to meet the highest standards of quality.

Teryair warrants that the Products, accessories and parts manufactured or supplied by the company be free from defects in material and workmanship for a period of six months from date of Teryair authorized dealer invoice to customer, or one year from date of Teryair invoice to dealer, whichever is earlier. Failure due to normal wear, misapplication, or abuse is, of course, excluded from this warranty.

Since the use of Teryair products and parts is beyond our control, Teryair cannot guarantee the suitability of any product or part for a particular application and Teryair shall not be liable for any consequential damage or expense arising from the use or misuse of its products on any application. Teryair does not warranty bought out products or components such as electric motors and hardware but will assist in directing warranty queries to the dealer/manufacturer responsible. Teryair responsibility is limited solely to replacement or repair of defective Teryair products or components.

Dealer/End User shall have no right or remedy and Teryair shall have no liability or obligation under the warranty, if:
 (i) a Product is altered, changed, modified or tampered with in any way, (ii) a Product is damaged after deposit with the transporter for shipment; (iii) a Product is not properly preserved, packaged, stored, processed or handled after receipt; (iv) a Product is not used and maintained in accordance with Teryair's recommended operating and maintenance manuals, instructions and procedures, if any; (v) a Product is not properly incorporated or installed in, or not properly combined with, an Other Product; (vi) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, a failure, substandard performance or other issue with another product, material, component or part not supplied by Teryair; (vii) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, compliance with any design, specification or other specific requirement of Dealer/End User; (viii) a Product is used in a manner, with a substance or for a purpose other than the normal manner, substance and purpose for which it is intended or is otherwise subjected to abnormal use or service; (ix) a Product is subjected to a power surge, brown out or other similar occurrence; (x) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, normal wear and tear of such Product (including, without limitation, things such as worn seals, diaphragms, balls, O rings, gaskets, chisels, cutters, hoses and other such wearing components; (xi) the issue with a Product is directly or indirectly.

Dated :
 Product Model Number :
 Product Serial Numbar :

Ajay Bhagat, Q.A. Manager
 (Company Seal)

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