KOBE INDUSTRIAL AIR TOOLS

THE ENVIRONMENT

Always dispose of unwanted tools, accessories and packaging materials in an environmentally friendly manner.

In observance of European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) and its implementation in accordance with national law, electrical goods that have reached the end of their life must be collected separately and returned to an environmentally compatible re-cycling facility.

Do not dispose of electrical goods with domestic waste materials as inappropriate disposal may cause potential hazards to the environment and human health.

For further information, please contact your local authority or the retailer from whom you purchased the product.

This product does not contain any restricted substances in concentrations and applications which are banned by the European RoHS2 Directive.

DECLARATION OF CONFORMITY

We hereby certify that KOBEMINI BELT SANDER 6mm - 20,000 RPM

(ORDER CODE: KBE-270-4250K)

complies with all the relevant provisions of the

Machinery Directive: 2006/42/EC

Standards Applied:

EN ISO 12100:2010, EN ISO 11148-8:2011, EN ISO 28927-3:2009, EN ISO 15744:2008

RoHS2 Restriction of Hazardous Substances Directive 2011/65/EU

Standards Applied:

EN 50581-1:2012

Signed:

Date: 1st April 2017

Name: Keith Read

Position: HSQE Manager.

KOBE TOOLS
THE KENNEDY GROUP LTD, WIGSTON, ENGLAND, LE18 2FS.

CE

QUALITY GUARANTEE & WARRANTY

KOBE INDUSTRIAL POWER TOOLS carry a one year manufacturer's warranty.

KOBE INDUSTRIAL POWER TOOLS are designed & manufactured to the highest standards & specifications
Assuring the quality and performance required by all sectors of industry.

KOBE INDUSTRIAL POWER TOOLS are fully guaranteed against faulty materials & workmanship.
Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).

Please retain supplier invoice as proof of purchase.

KOBE TOOLS OFFICIAL AGENT: THE KENNEDY GROUP, WIGSTON. LEICESTER, ENGLAND. LE18 2FS
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KOBE™
INDUSTRIAL AIR TOOLS

MINI BELT SANDER
6mm - 20,000 RPM

MODEL:
R5218

ORDER CODE:
KBE-270-4250K



- **Suitable for flat, concave and convex surfaces**
- **Sanding arm can be rotated to any angle - improves access in confined spaces, saves space when storing the tool**
- **Spare belt and hex wrench included**
- **Ergonomic and comfortable rubber grip for reduced vibration**
- **Low profile teasing throttle for precise speed control**
- **Directional rear exhaust**

CE

WARNING: THE SAFETY INFORMATION GIVEN INSIDE MUST BE READ AND UNDERSTOOD BY ANY PERSON USING, INSTALLING, REPAIRING OR MAINTAINING THESE PRODUCTS.

OPERATOR'S MANUAL

Please retain this information for future reference.

SAFETY INSTRUCTIONS

You have purchased a quality product that is designed for high performance and long service life. If correct use, safety and maintenance procedures are observed this machine will last for many years.

KOBE INDUSTRIAL AIR TOOLS have been specifically designed to help you work **SAFELY** and **EFFICIENTLY**. Your care and good judgement are the best protection against injury, but always ensure that the appropriate safety equipment is worn. All possible hazards cannot be covered here, but the most important ones have been highlighted.

GENERAL OPERATING HAZARDS

- Keep clear from all rotating spindles and moving parts
- Ensure that all long hair and loose clothing, ties, scarves, jewellry, etc., are secured or removed
- Always wear approved eye protection during operation, repair or maintenance of the tool, or whilst changing accessories. The operator of the tool is responsible for following accepted eye, face, respiratory, hearing and body protection.
- Ensure that all others in the area are wearing approved eye, face, respiratory, hearing and body protection. Even small projectiles can injure eyes and cause blindness.
- Wear gloves to protect hands from cuts and burns.
- Do not touch accessories during or after use.
- Never disable the safety lever throttle.
- Do not modify tools or accessories and only use for the task for which they have been designed.
- Ensure that all accessories are rated to the "Free" speed of the tool and intact before fitting or using.
- All users must be physically able and competent to handle the size, weight and power of the tools and have received appropriate training to perform the task.
- Note the tool rundown time. Control the tool as if it were under power.

SPECIFIC OPERATING HAZARDS

- Only use abrasives that are designed for the tool.
- An abrasive fitted to a tool that is not designed for its use may cause serious injury or death.

WORKPLACE HAZARDS

- Slip/Trip/Fall is a major cause of serious injury or death. Be aware of excess hose around the work place.
- Maintain a balanced body position and secure footing.
- High sound levels can cause permanent hearing loss. Use approved hearing protection.
- Repetitive work motions, awkward positions and exposure to vibration can cause "Repetitive Strain Injuries". If numbness, tingling, pain or whitening of the skin occurs consult a doctor.
- Avoid inhaling dust or handling debris from work process which can be harmful to your health.
- This tool is not intended for use in a flammable or combustible atmosphere and is not insulated for contact with electric power sources.
- Use a vice or clamping device to hold the work piece firmly in place.

AIR SUPPLY AND CONNECTION HAZARDS

- Air under pressure can cause severe injury.
- Always shut off air supply, drain hose of air pressure and disconnect tools from air supply when not in use, before changing accessories or when making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause serious injury. Always check for damaged or loose hoses and fittings.
- Do not use quick disconnect couplings at tool. See instructions for suggested air supply.
- Whenever universal twist couplings are used, lock pins must be installed.
- Do not exceed maximum air pressure of 90psi/6.2bar.
- Do not carry the tool by the air hose.

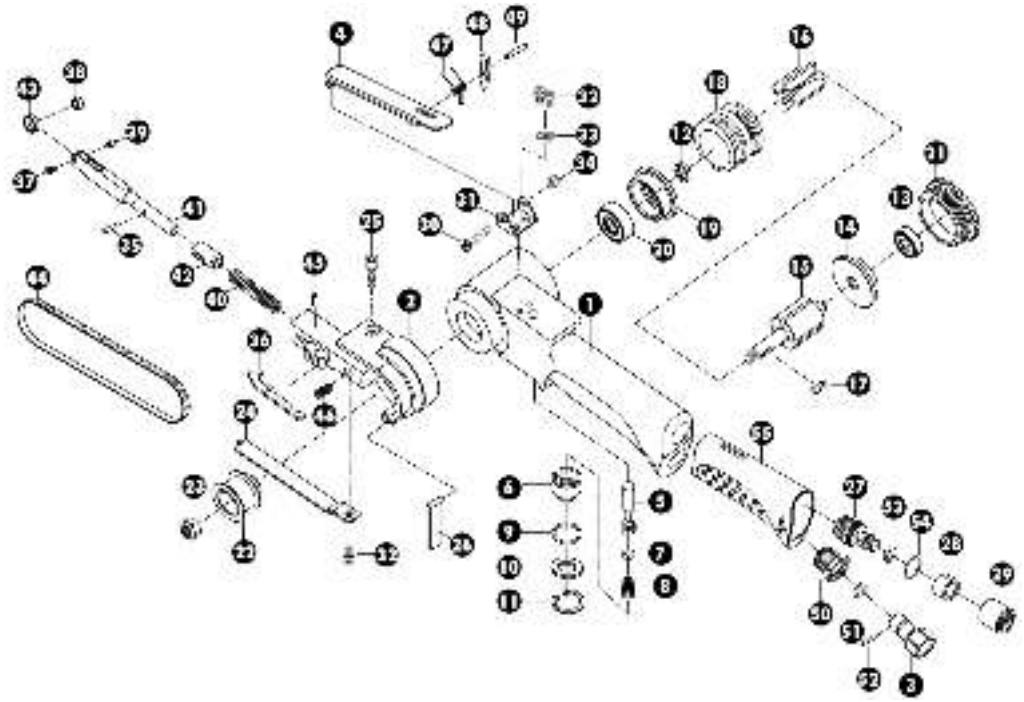
SPECIFICATIONS

MODEL NUMBER	R5218
BELT SIZE	6 x 330mm
FREE SPEED	20,000rpm
RECOMMENDED AIR PRESSURE	6.2bar (90psi)
AIR CONSUMPTION	4cfm (113L/min)
AIR INLET THREAD	1/4" NPT
MINIMUM AIR HOSE SIZE (ID)	10mm (3/8")
NOISE LEVEL †	86dBA

SOUND PRESSURE/POWER LEVEL †	93dBA
VIBRATION LEVEL #	1.3m/s^2
FOLDED LENGTH	207mm
OVERALL LENGTH	305mm
NET WEIGHT	0.86kg

† Per Pneurop Standard EN ISO 15744:2002.
# Per EN 28927-3.

PARTS BREAKDOWN



INDEX NO.	ORDER CODE	DESCRIPTION	
01	KBE-298-5831B	Motor Housing	
02	KBE-298-5831C	Guard Body	
03	KBE-298-5202C	Air Inlet	
04	KBE-298-5203D	Throttle Lever	
05	KBE-298-5204E	Valve Stem	
06	KBE-298-1184S	Adjust Valve	
07	KBE-298-5206G	O-Ring	(3.9x1.9)
08	KBE-298-5207H	Spring	
09	KBE-298-5208J	O-Ring	(14.5x1.5)
10	KBE-298-5209K	Spacer	
11	KBE-298-5210L	Retaining Ring	(RTW-18)
12	KBE-298-4255S	Spacer	
13	KBE-298-3623S	Ball Bearing	(607ZZ)
14	KBE-298-5831F	Rear End Plate	
15	KBE-298-5831G	Rotor	
16	KBE-298-5831H	Rotor Blade (4of)	
17	KBE-298-5831J	Key	
18	KBE-298-5831K	Cylinder	
19	KBE-298-5831L	Front End Plate	
20	KBE-298-5805E	Ball Bearing	(628ZZ)
21	KBE-298-5831N	Cap	
22	KBE-298-1316S	Drive Pulley	
23	KBE-298-5834F	Hexagon Nut	(M6x1)
24	KBE-298-1232S	Shoe	
25	KBE-298-3636S	Screw	(M5x16L)
26	KBE-298-5831Q	Dust Cover	
27	KBE-298-5837W	Exhaust Shaft	
28	KBE-298-5837Y	Muffler	

INDEX NO.	ORDER CODE	DESCRIPTION	
29	KBE-298-5837X	Exhaust Sleeve	
30	KBE-298-5201B	Screw	(M4x25L)
31	KBE-298-5275D	Lever Support	
32	KBE-298-5272A	Screw (4of)	(M4x8L)
33	KBE-298-5273B	Spring Washer (2of)	(M4)
34	KBE-298-5274C	Nut	(M4)
35	KBE-298-1355S	Lock Pin	(3x11.8L)
36	KBE-298-5831Z	Safety Lever	
37	KBE-298-5831S	Screw	(M2x5L)
38	KBE-298-5805M	Ball Bearing	(684ZZ)
39	KBE-298-1277S	Idle Pulley Shaft	
40	KBE-298-5831T	Spring	
41	KBE-298-5290S	Tension Bar	
42	KBE-298-5831V	Bushing	
43	KBE-298-1289S	Idle Pulley	
44	KBE-298-5830F	Gringing Belt	
45	KBE-298-5831X	Spring Pin	(2.5x8L)
46	KBE-298-5831Y	Spring	
47	KBE-298-5240S	Spring	
48	KBE-298-5239R	Safety Bar	
49	KBE-298-9302S	Spring Pin	(3x18L)
50	KBE-298-5269Y	Screw	
51	KBE-298-5725B	O-Ring	(8.8x1.7)
52	KBE-298-5854E	Pin	(2x13.8)
53	KBE-298-5848C	O-Ring	(5.8x1.9)
54	KBE-298-9365S	O-Ring	(14x1)
55	KBE-298-5225B	Grip	

MAINTENANCE

A competent person must disassemble and inspect higher wear parts periodically if the tool is used every day or if there is a noticeable drop in the tool performance. Any damaged or worn parts must be replaced. Your 12 month warranty could become void if the tool is unnecessarily dismantled and damage is caused. If you are unsure about dismantling the tool, please return it to your local Kobe agent.
The use of other than genuine Kobe replacement parts may result in safety hazards, decreased tool performance, increased maintenance and voiding of warranty.
Mineral spirits are recommended when cleaning the tool and its parts. DO NOT clean with any solvents or oils containing acids, esters, ketones, chlorinated hydrocarbons or nitro carbons. DO NOT use chemicals that have a low flash point.
For spare parts or servicing please contact your local Kobe agent. Quote the tools Part and Model Number when ordering spares.

CAUTION!
Other factors outside the tool may cause loss of power or erratic action. Reduced compressor output, excessive drain on the airline, moisture or restrictions in air pipes or the use of hose connections of improper size or poor conditions may reduce air supply. If outside conditions are in order and the tool still runs erratically, disconnect the tool from the air hose and take it to your local Kobe agent.

WARNING!
Repairs must be performed in a dirt-free environment by a qualified person who is familiar with this type of equipment. Your warranty is invalid if this advice is ignored.

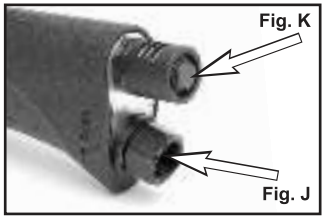
LUBRICATION
Air tools require lubrication throughout the life of the tool as moisture in the compressed air will rust the air motor and the correct lubrication is vital for the maximum performance of the air tool. Failure to lubricate the tool at the air inlet will void your warranty.

Either use an air line lubricator with air tool oil adjusted to two drops per minute, or if an air line lubricator cannot be used, add one teaspoon of air motor oil to the inlet **(Fig. J)** or into the hose at the nearest connection to the air supply once a day and then run the tool. ISO Grade VG22 oil is recommended. A rust inhibitive oil is acceptable for air tools.

Any excess oil in the motor is expelled immediately from the exhaust port. Always direct the exhaust port away from people or objects **(Fig. K)**.

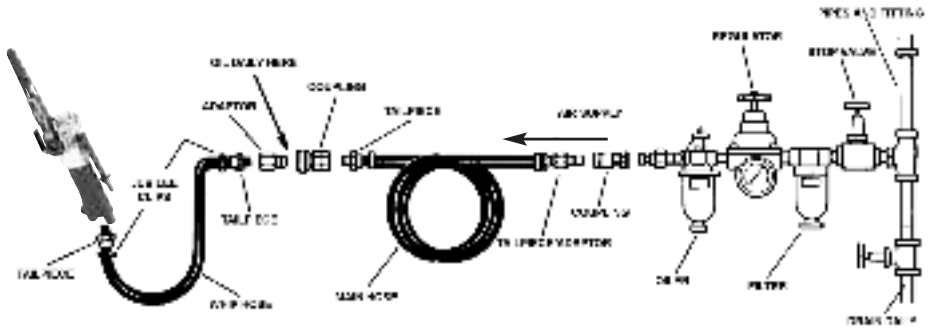
Lubricate the tool holder regularly with a light machine oil. **(Fig. L)**.

Do not lubricate the tool with flammable or volatile liquids such as paraffin (kerosene), diesel or jet fuel.





SUGGESTED AIR SUPPLY



Connect tools to the air line using pipe, hose and fitting sizes listed in the specifications.
Supply tools with 90psi/6.2bar of clean, dry air. A higher pressure will reduce the tool life.
Requirements for Quick Acting Couplings connected to Air Tools:
A leader hose of minimum length 500mm between the tool and the coupling is required in order to comply with Health and Safety Executive Guide **HS(G) 39, BS4575:2, ISO 4414 and ISO 6150.**

LUBRICATION

Air tools require lubrication throughout the life of the tool otherwise moisture in the compressed air will rust the air motor. Correct lubrication is vital for the maximum performance of the orbital sander and an airline lubricator should be fitted into the system down stream of the filter. Failure to lubricate the tool at the air inlet will void your warranty.

Either use an air line lubricator with air tool oil adjusted to two drops per minute, or if an air line lubricator cannot be used, add air motor oil to the inlet once a day (See fig 1). ISO Grade VG22 oil is recommended.

Any excess oil in the motor is expelled immediately from the exhaust port. Always direct the exhaust port away from people or objects.

Do not lubricate the orbital sander with flammable or volatile liquids such as kerosene, diesel or jet fuel.

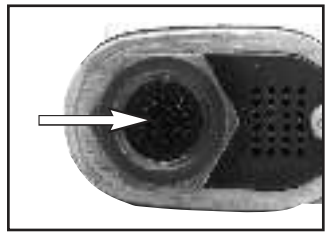
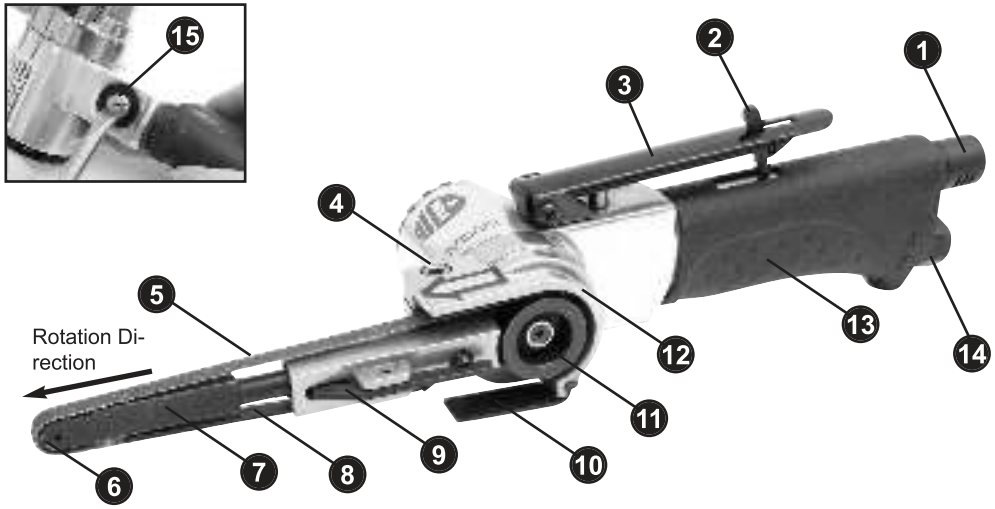


Fig. 1

BOX CONTENTS



1. Noise muffler / exhaust
2. Safety bar
3. Throttle lever
4. Arm angle adjustment screw (hex screw)
5. Sanding belt
6. Idle pulley
7. Tension Bar
8. Belt shoe
9. Safety lever
10. Dust Guard
11. Driving pulley
12. Guard body
13. Housing (handle)
14. Air inlet
15. Speed regulator

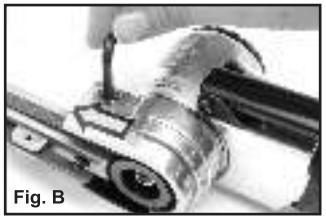
OPERATION

CAUTION!

- **ALWAYS** treat the tool with respect - a fast moving sanding belt can cut through clothes and skin very easily.
- **ALWAYS** use the right tool for the job - DO NOT improvise by using accessories not designed for the tool or job
- **ALWAYS** inspect the air tool for cracks or excessive wear before connecting and during use.

ADJUSTING THE ANGLE OF THE SANDING ARM

1. Disconnect the tool from the air supply.
2. Loosen but DO NOT remove the 'Arm angle adjustment screw' **(Fig. B)** using the hex key provided.
3. Rotate the sanding arm to the desired position.
4. Tighten the screw to secure the belt arm.


Fig. B

OPERATION

TO CHANGE THE ABRASIVE BELT

1. Disconnect the tool from the air supply.
2. While the abrasive belt is in the lengthened position and the 'arm angle adjustment screw' is tight **(Fig. B)** push down the 'safety lever' while pushing in the 'tension bar' until it 'clicks' into a locked position **(Fig. C).** Now remove the belt.
3. Place the new abrasive belt around the 'drive pulley' wheel and then around the 'idle pulley' **(Fig. D).**
4. Pinch the belt in position at the 'idle pulley' wheel end and push on the 'safety lever' to release the tension arm and fix the belt into position **(Fig. E).**

   NOTE: Double check the abrasive belt is positioned centrally on both the 'drive wheel' and 'idle pulley' before using.
5. When you are finished with the air tool it is recommended that you loosen the 'arm angle adjustment screw' so it can be folded in-line with the handle to protect it from damage **(Fig. B)**.

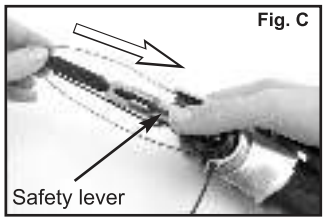


Fig. C

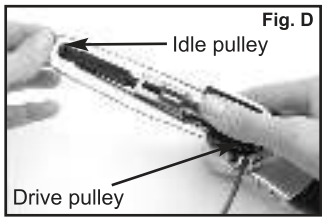
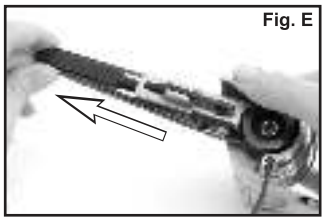


Fig. D


Fig. E

USING THE AIR TOOL


Fig. F

1. Carry out daily inspection and lubrication of the tool.
2. Remove the plastic dust cap using a pair of pliers **(Fig. F)**.
3. Connect the air tool to the air supply using a whip hose.

   NOTE: A 17mm spanner will be required to hold the inlet while securing the whip hose.
4. Hold the air tool firmly with both hands.

   The tool should NOT be in contact with the workpiece when you turn the tool ON or OFF.
5. Use your thumb to release the 'safety bar' before squeezing the throttle lever **(Fig. G)**.

   NOTE: The 'throttle lever' allows the tool to operate at variable speeds - the further the lever is pressed, the higher the belt speed.

   Do not allow the air tool to free run for an extended period.
6. Turn the speed regulator to select the working pressure, 0-18,000rpm **(Fig. H)**. In conjunction with the 'throttle lever' the speed regulator controls the maximum speed that the tool will operate at.
7. ALWAYS work off the return side (underside) of the abrasive belt **(Fig. I)**. This will ensure constant tracking and reduce down time of the tool.

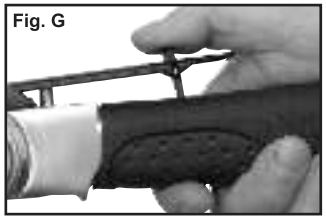

Fig. G


Fig. H

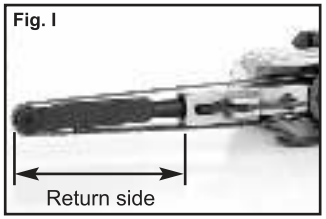


Fig. I