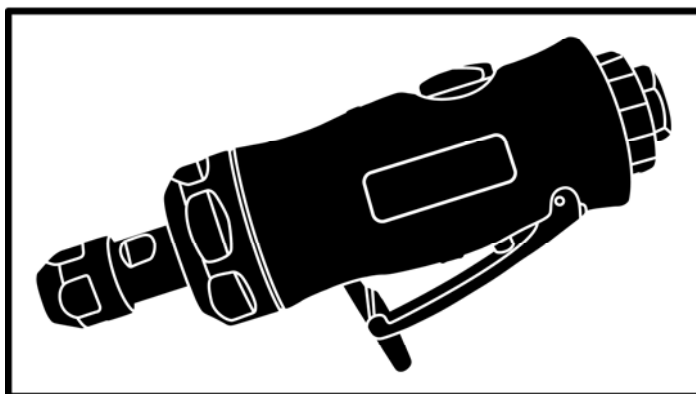




1/4" (6mm) (8mm) Air Die Grinder Art 102116



Specification:

Free Speed	23,000 r/min
Motor	0.9 HP
Overall Length	6-9/10" (175 mm)
Air Consumption	13 CFM (380 L/min)
Air Inlet (PT)	1/4" (6.35 mm)
Air Hose (I.D.)	3/8" (10 mm)
Air Pressure	90 psi (6.3 bar)
Net Weight	1.4 lbs (0.65 kg)

Noise and Vibration:

Vibration EN ISO 28927-12	Noise EN ISO 15744	Remark
Load: 1.9 m/s ² Uncertainty K= 1.5 m/s ²	Sound Pressure Level load: 80 dB(A)	Please always wear ear protector at environment noise level > 80 dB(A) due to risk of impaired hearing!
	Sound power level load: 91 dB(A)	
	Uncertainty K= 3dB	

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EC DECLARATION OF CONFORMITY

We herewith IRONSIDE INTERNATIONAL:

**Ironside International
Paris Nord 2
13 rue de la Perdrix
Tremblay en France
France**

Declare that the following machine complies with the appropriate basic safety health requirement of EC directives based on its design and type as brought into the circulation by us.

In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity Machine type : DIE GRINDER 137mm

Model/ Serial No. : 102116 ST7495M

Complies with these normative documents:

Machinery Directive: 2006/42/EC

and conforms to the following EN standard,

- **EN ISO 12100: 2010**
- **EN ISO 11148-6:2012**

Name and Signature/Position

Stéphane DERRIEN

A handwritten signature in black ink, appearing to be 'Stéphane DERRIEN', written over a horizontal line.

Date and Place

8/06/2018

Foreword

IRONSIDE is a manufacturer and exporter of air tools since established. We have devoted all our efforts in improving quality and tools' life. As well as the noise and vibration of tools. Bring all of you working efficiencies, profits, and enjoy using the tool is our principle.

Features

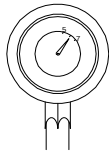
Exceptionally versatile tool for jobs like tire scuffing, cleaning tire moldings, porting and relieving engines, and general high-speed polishing and grinding. Especially useful in confined areas.

Operator's instruction

1. Cautions for Use

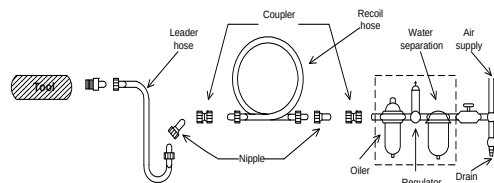
1-1 Air pressure

Maximum performance is displayed at the proper sanding speed, obtainable at a gauge pressure of 6.2 bar. Range-wise, this is an air pressure from 5 to 7 bar (70 to 100 psi)



1-2 Air line

Use a 3/8" air hose between the compressor and the tool. Compressed air is cooled and its water content separated, as soon as the air leaves the compressor.

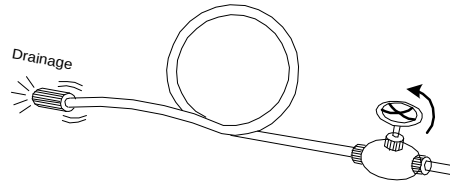


A portion of the water content, however, is condensed in the piping, and can enter the tool mechanism, and may cause trouble. So, install an

air filter and an oiler between the compressor and the tool. Use a 3 HP or larger compressor for each sander.

1-3 Air hose

Clean the hose with a blast of compressed air before connecting the hose to air tool. This will prevent both moisture and dust within the hose from entering the tool and causing possible rust or malfunction. To compensate for unusually long hose (over 25 ft), the line pressure should be increased accordingly.



1-4 The approved eye protector, ear-muff, mouth-muffle, and gloves should be worn when operate this tool.

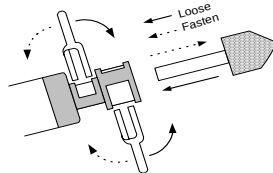
1-5 The working place shall be well ventilated.

1-6 Release the on-off device in the case of energy supply failure.

2. Operation, Adjusting And Replacing Method

2-1 Fix/take away the insert tool

The figure below indicates how to fasten and loose an insert tool. Before using this tool, one should make sure that the insert tool is fixed in the collet very tightly.

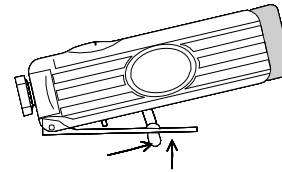


One should also get a habit of checking the weariness of the insert tool in order to increase the efficiency and safety.

2.2 On-off device

To operate this tool, just push the lever toward the tool itself. The tool continuously

reciprocates as one push the lever down and it stops running released.



For the sake of safety, put it on hanger or on a soft flat pad when not in use.

2.3 Replace and adjusting

There is no user serviceable part inside this tool. Please send the tool to a qualified personnel or our service section to repair or/and replace worn parts.

3. Maintenance

3-1 Lubrication

Before connecting the hose, apply 4 or 5 drops of #60 spindle oil at the air inlet. Use of a thicker oil can lead to reduced performance or malfunction. If a thicker oil is used by accident, wipe it away immediately. Also, every 3 or 4 hours of operation, oiling is necessary.

3-2 Storage

Avoid storing the tool in a location subject to high humidity. If the tool is left as it is used, the residual moisture inside the tool can cause rust. Before storing and after operation, oil the tool at the air inlet with spindle oil and run it for a short time.

3-3 Disposal

If the tool is too seriously damaged to be used anymore, drop it in a resource recycling can. Never drop it into fire.

3-4 Ordering service Parts

For further operational and handling information or for replacement of parts and components, contact the sale agent from whom you purchased the tool or the service division of our company.

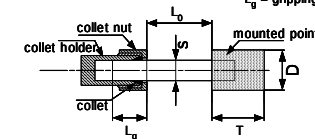
* In ordering parts and components, give each part number, name and quantity.

Warning



1. This tool is not insulated for coming into contact with electric power source.
2. It is forbidden to use this tool in explosive atmospheres and do not put any combustible material near the workpiece since it will emit sparks, dust, and/or fumes when working in certain material.
3. Prevent long hair or loose clothing from drawing in while operate this tool.
4. Never carry the tool by hose and beware of a whipping compressed air hose.
5. The workpiece shall be fixed by proper device.
6. Keep your body balance and beware of the fall of the severed workpiece.
7. Use only the suggested shaft diameter of the insert tool. Do not use the cutting-off wheels and routing cutter wheels as the insert tool.
8. The allowed rotating speed of the insert tool shall higher than the die grinder. Also note the fact that the allowed rotating speed of the mounted point must be lower due to the increase of the shaft length between the end of the collet and the mounted point (overhang). Make certain that the minimum gripping length shall be of 10 mm.
9. Excessive air pressure not only reduce the service life of this tool but also increase the dander. It is better to use of a pressure regulator to control the air pressure being supplied to the tool.
10. It remains rotating for few second after releasing the lever.

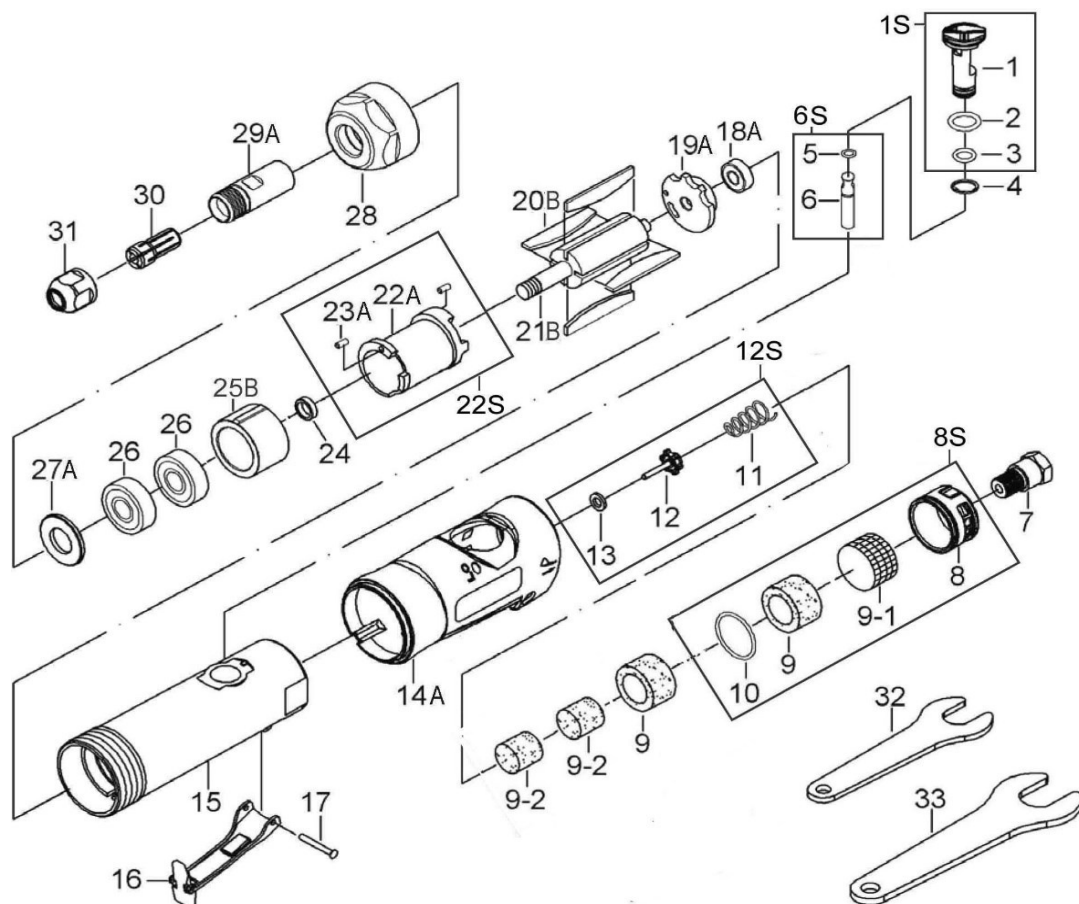
D = diameter of mounted point
T = length of mounted wheel
L₀ = overhang
S = diameter of shank
L_g = gripping length



IRONSIDE®

Exploding view

Art 102116



PARTS LIST

No.	Parts No.	Description	Q'ty
1S	7495-01S	Regulator Set [Incl. 1, 2, 3]	1
2	7495-02	O-Ring (P10)	1
3	7495-03	O-Ring (P9)	1
4	7495-04	Snap Ring	1
5	7495-05	O-Ring (3.5x1.4)	1
6S	7495-06S	Valve Stem Set [Incl. 5, 6]	1
7	7495-07A	Air Inlet (PT19)	1
	7495-07B	Air Inlet (NPT18)	1
	7495-07C	Air Inlet (PS19)	1
8S	7495-08S	Muffler Set [Incl. 8, 9, 9-1, 10]	1
9	7495-09	Silencer	2
9-1	7495-09-1	Stainless Mesh	1
9-2	7495-09-2	Silencer	2
10	7495-10	O-Ring (26.7x1.78)	1
11	7495-11	Spring	1
12S	7495-12S	Valve Set [Incl. 11, 12, 13]	1
13	7495-13	Washer (6x13.8x1.6T)	1
14A	7495-14A	Protecting Rubber	1
15	7495-15	Housing	1
16	7495-16	Safety Throttle	1

No.	Parts No.	Description	Q'ty
17	7495-17	Spring Pin	1
18A	7495-18A	Bearing (626ZZ)	1
19A	7495-19A	Rear Plate	1
20B	7495-20B	Rotor Blade	4
21B	7495-21B	Rotor	1
22S	7495-22S	Cylinder Set [Incl. 22A, 23A(2)]	1
23A	7495-23A	Pin (2x6L)	2
24	7495-24	Bearing Spacer	1
25B	7495-25B	Front Plate	1
26	7495-26	Bearing (6000ZZ)	2
27A	7495-27A	Washer	1
28	7495-28	Clamp Nut	1
29A	7495-29A	Spindle	1
30	7495-30	1/4" Collet	1
	7495-30A	8mm Collet	1
	7495-30B	6mm Collet	1
31	7495-31	Collet Nut	1
32	7495-32	Stop Spanner 14 M/M	1
33	7495-33	Stop Spanner 19 M/M	1

Repair kit Art 102135