



Your Best Business Partner

DAEWOO AIR TOOLS

ENGLISH



www.ysm24.com



Contents

Greeting	03
Air Tools and About CI / BI	04
7" Angle Grinders	05~10
4",5" Angle Grinders	
Die Grinders I	11~12
Die Grinders II	13~16
Micro Grinders	17~18
Impact Wrenches	19~22
Impact Drivers	23~24
Screw Drivers	25~28
Edge Cutters	29~30
Drills,Chipping Hammer, Needle Scalers	31~32
Parts	33

Dear customers,

We would like to extend our sincere gratitude to our customers.

We' d like to appreciate using DAEWOO AIR TOOLS,
which are widely used in Shipbuilding,
Automobile, Electronic Industries, and other industries.
Thanks to our customers' firm interests in our products and encouragement,
we could have earned a top brand in Korea and
good reputation in oversea.
We promise to continue improving the quality of our products and
developing new products.

For our customers' satisfaction,
we will devote our energies to develop new
technologies and high quality products.

We will do our best to
contribute to constructing
better society for next generation.

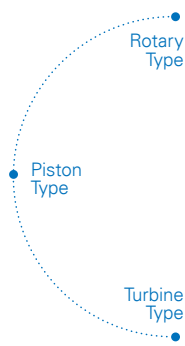
Faithfully yours
2015.10

DAEWOO
AIR TOOLS



AIR TOOLS

Air tools are operated by the energy produced in the isentropic expansion process from highly compressed air. They are usually classified as 3 different types as follows;



Rotary Type

The shaft is assembled with eccentricity from the center of cylinder. The highly compressed air pushes the sliding vanes in order to make a rotating force at the tool shaft.

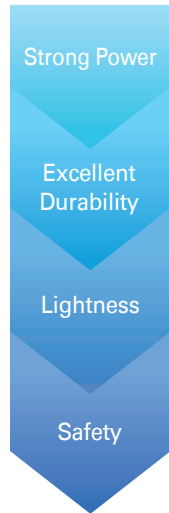
Piston Type

The highly compressed air pushes the pistons within the cylinder to obtain a reciprocating force.

Turbine Type

The impulse force obtained by injecting the highly compressed air in order to rotate a turbine rotor.

FEATURES



- High capacity power machines.
- Automatically stop in the overload state and re-operated as soon as the overload removed.
- Show the strong power with continuous RPM.
- Operating well without over-heated problem even in continuous work.
- Instant re-use after simply replacing the broken or abraded components.
- 3 times longer use than the tools operated by an electronic motor.
- Even though its light weight and compact design, showing a high torque and work efficiently.
- Easy handling and comfortable controllability.
- 1/2 ~ 1/3 of weight and volume compared with the tools operated by an electric motor.
- Free from ignition, explosion, electric shock compared with electric tools.

About CI / BI

YM
YANGSAN MACHINERY
CI



"YM" is the initial of the company name "Yangsan Machinery"
"YM" means following.
·Young Man! : young man's passion
·Yes! Missoin! : an indomitable spirit for mission accomplished
·Yes! Miracle! : an innovative attitude for creating miracle
"YM" connotes eco-friendly green color and reliable blue color.
"YM", that embodies the powerful wind and rotational force, states the strong company and the strong tools.

DAEWOO AIR TOOLS
BI



"Daewoo Air Tools" connotes powerfulness, solidity, rapidity and dynamic feeling that are the features of the air. "Daewoo Air Tools" uses reliable blue color and emphasizes No.1 by depicting the powerful wind and rotational force that are linked to CI. Also, "BI" including a word "ART", bears the mind of the artisans spirit for creating a work of art.



7", 4" and 5" Angle Grinders

(standard, light weight, lower noise and ultra light weight type)
7" Angle Grinders (standard and light weight type)
4" Angle Grinders (standard and light weight type)
5" Angle Grinders (standard)

7" Angle Grinders (standard, light weight, lower noise and ultra light weight type)

- Highest power among the similar class models and high productivity
- Protection from hazard by the safety roll and lever,
- Safety by the over-speed controller(Governor)

4" and 5" Angle Grinders (standard and light weight)

- Choosable the exhaust air direction 90 degree(right-hand side) or 45 degree (front side)
- Protection from hazard by the safety roll and lever,

7" Angle Grinders (standard and light weight type)



DAG-7SG

- Highest power among the similar class models.
- Safety by the over-speed controller (Governor).
- Safety Roll type on the ON/OFF valve.



DAG-7LG

- Protection from hazard by the safety lever, which controls the operation of air tools
- For overseas Exports



DAG-6SX-1

- Reducing user's fatigability due to light weight
- Attachable 6" or 7" inch grinding wheel
- Safety by the over-speed controller (Governor)
- Safety Roll type on the On/Off valve



DAG-6SC

- Shock absorbing rubber covered
- Safety by the over-speed controller (Governor)
- Safety Roll type on the On/Off valve

Model	Capacity (wheel size)		Max. free speed rpm	Max. power PS	Length		Weight (without wheel)		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm			in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DAG-7SG	7	180	7600	1.5	10.35	263	7.05	3.2	PT 3/8	38.9	1.1	85	6
DAG-7LG	7	180	7600	1.5	12.83	326	7.71	3.5	PT 1/4, 3/8	38.9	1.1	85	6
DAG-6SX-1	7	180	7600	1.4	9.92	252	6.23	2.83	PT 3/8	33	0.9	85	6
DAG-6SC	7	180	7600	1.45	9.92	252	5.95	2.7	PT 3/8	33	0.9	85	6

7" Angle Grinders

(lower noise and ultra light weight type)



DAG-6SX

- Silencer equipped(changeable the exhaust air direction)
- Safety by the over-speed controller(Governor)
- Safety Roll type on the On/Off valve



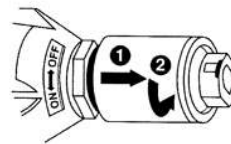
DAG-6LX

- Silencer equipped(changeable the exhaust air direction)
- Protection from hazard by the safety lever, which controls the operation of air tools
- For overseas Exports

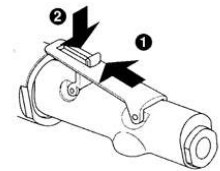


DAG-70G-1

- Easy workable with one hand
- Ultra light weight type as a 7 inch
- Safety Roll type on the Throttle Valve
- Over-speed controller(Governor) equipped



SAFETY ROLL TYPE



SAFETY LEVER TYPE

Grinding Wheel Size for Wheel Flange

Grinder	Wheel Nut Flange O/D	Disc Wheel Size
4 inch	15.8 mm	100 X 3 (6) X 15.88 mm
7 inch	22.0 mm	180 X 3 (8) X 22.23 mm

Model	Capacity (wheel size)		Max. free speed rpm	Max. power PS	Length		Weight (without wheel)		Thread air inlet in	Average air consumption		Average air consumption	
	in	mm			in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DAG-6SX	7	180	7,600	1.4	9.92	252	6.23	2.83	PT 3/8	33	0.9	85	6
DAG-6LX	7	180	7,600	1.4	12.4	315	6.23	2.83	PT 1/4,3/8	33	0.9	85	6
DAG-70G-1	7	180	7,600	1.3	9.48	241	5.22	2.37	PT 3/8	33	0.9	85	6

4" Angle Grinders (standard)



DAG-100SP

- Widely used in the normal industrial site
- Exhaust air direction 90 degree(right-hand side)
- On and Off valve by Roll type



DAG-100ST

- The external thread type(M10x1.5)
- Many kinds of wheels are attachable such as normal abrasive wheels, cup brushes, paper wheels, sanding disks and wire brushes
- On and Off valve by Roll type



DAG-100S

- Exhaust air direction 45 degree(front side)
- On and Off valve by Safety Roll type



DAG-100LP

- Exhaust air direction 90 degree(right-hand side)
- 45 degree of front side exhausting direction available
- Protecting from hazard by the safety lever
- For overseas Exports

Model	Capacity (wheel size)		Max. free speed rpm	Max. power PS	Length		Weight (without wheel)		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm			in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DAG-100SP	4	100	11,000	0.7	8.2	210	3.4	1.55	PT 1/4	22	0.6	85	6
DAG-100ST	4	100	11,000	0.7	8.2	210	3.8	1.72	PT 1/4	22	0.6	85	6
DAG-100S	4	100	11,000	0.7	8.2	210	3.4	1.55	PT 1/4	22	0.6	85	6
DAG-100LP	4	100	11,000	0.7	8.8	225	3.4	1.55	PT 1/4	22	0.6	85	6

4" Angle Grinders (light weight type)



DAG-4SX

- One hand operation
- Attachable 4 or 5 inch grinding wheel
- Exhaust air direction 45 degree front side
- Safety Roll type on the On/Off valve



DAG-4ST

- The external thread type (M10×1.5)
- Many kinds of wheels are attachable such as normal abrasive wheels, cup brushes, paper wheels, sanding disks and wire brushes
- Safety Roll type on the On/Off valve



DAG-407NP

- Safety Roll type on the On/Off valve
- Over-speed controller(Governor) equipped
- Sand paper or 4~5 inch flap wheel Only
- Easy workable with one hand



DAG-4SX-1

- Long hand grip with adaptor
- Exhaust air direction 45 degree front side
- Safety Roll type on the On/Off valve
- Easy operation at the corner with a slim protector



DAG-4LX

- Attachable 4 inch grinding wheel
- Protection from hazard by the safety lever
- Easy operation at the corner with a slim protector
- Exhaust air direction 45 degree front side
- For overseas Exports

Model	Capacity (wheel size)		Max. free speed rpm	Max. power PS	Length		Weight (without wheel)		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm			in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DAG-4SX	4	100	11,000	0.7	7.2	184	3.1	1.44	PT 1/4	23.8	0.65	85	6
DAG-4SX-1	4	100	11,000	0.7	8.2	210	3.3	1.5	PT 1/4	23.8	0.65	85	6
DAG-4ST	4	100	11,000	0.7	7.2	184	3.3	1.47	PT 1/4	23.8	0.65	85	6
DAG-4LX	4	100	11,000	0.7	8.85	225	3.0	1.42	PT 1/4	23.8	0.65	85	6
DAG-407NP	4	100	7,600	1.3	9.48	241	4.49	2.04	PT 3/8	33	0.9	85	6



5" Angle Grinders (standard)



DAG-5LX

- Attachable 5 inch grinding wheel
- Protection from hazard by the safety lever
- Easy operation at the corner with a slim protector
- Exhaust air direction 45 degree front side
- For overseas Exports



DAG-5LH

- Attachable 5 inch grinding wheel
- Protection from hazard by the safety lever
- Easy operation at the corner with a slim protector
- Exhaust air direction 90 degree front side
- For overseas Exports
- Side handle attached for the safety improvement.



DAG-5PH

- High torque by reduced gear ratio
- For a painting pre-process with 5 inch sand paper
- Exhaust air direction 45 degree front side
- Easy operation at the corner with a slim protector



DAG-5LXT

- The external thread type (5/8"×11)
- Many kinds of wheels are attachable such as normal abrasive wheels, cup brushes, paper wheels, sanding disks and wire brushes
- Easy wheel replacement.
- Protection from hazard by the safety lever

Model	Capacity (wheel size)		Max. free speed rpm	Max. power PS	Length		Weight (without wheel)		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm			in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DAG-5LX	5	125	11,000	0.7	8.86	225	3.1	1.42	PT 1/4	23.8	0.65	85	6
DAG-5LH	5	125	11,000	0.7	8.86	225	3.1	1.42	PT 1/4	23.8	0.65	85	6
DAG-5PH	5	125	8,400	0.7	7.2	184	3.1	1.44	PT 1/4	23.8	0.65	85	6
DAG-5LXT	5	125	10,000	0.7	8.86	225	3.74	1.7	PT 1/4	23.8	0.65	85	6



Impact Drivers

Screw Drivers

Edge Cutters

Drills, Chipping Hammer,
Needle Scalers

Parts

Die Grinders I (high power)

Die Grinders I (high power)

-
- Lighter weight and higher power among the similar class
- The high-power product of optimum design for grinding
- Easy operation in the corner and narrow space

Die Grinders (high power)



DSG-150S

- Aluminum Casing and Aluminum Handle body for light weight
- Over-speed controller equipped



DSG-25HC

- Collet type (6mm or 8mm adaptable)
- Easy and powerful operation in the corner or narrow space



DSG-25HWG

- 2.5 inch grinding wheel
- High speed and surface processing performance
- Over-speed controller (Governor) equipped



DSG-25C

- Collet type (6mm or 8mm adaptable)
- Easy and powerful operation in the corner or narrow space
- Aluminum body for light weight



DSG-25W

- 2.5 inch grinding wheel
- Easy and powerful performance
- Over-speed controller (Governor) equipped
- Aluminum body for light weight

Model	Capacity (wheel size)		Max. free speed rpm	Length		Weight (without wheel)		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm		in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DSG-150S	-	150x20t	8,000	20.59	523	12.34	5.6	PT 1/2	56.5	1.6	85	6
DSG-25HC	-	6 or 8	18,000	11.88	302	3.17	1.44	PT 1/4	21.1	0.6	85	6
DSG-25HWG	2.5	63.5	14,000	11.73	298	3.7	1.68	PT 1/4	21.1	0.6	85	6
DSG-25C	-	6 or 8	18,000	12.99	330	2.2	1.0	PT 1/4	21.1	0.6	85	6
DSG-25W	2.5	63.5	14,000	12.0	305	2.42	1.1	PT 1/4	21.1	0.6	85	6



Screw Drivers

Drills, Chipping Hammer,
Needle Scalers

Parts

Edge Cutters

Impact Drivers

Die Grinders II (standard, long type, and 50 series)

**Die Grinders II
(standard, long length type,
and 50 series)**

High power the light weight and compact design

Demonstrated superior ability in polishing, burr and scale removing, and etc.

Available to suit work environment by the various kind of products like lower noise and longer length type.

7" Angle Grinders
4", 5" Angle Grinders

Die Grinders I

Die Grinders II

Micro Grinders

Impact Wrenches

Die Grinders (standard)



DG-38L

- Light duty operation such as a polishing, burr removing etc.
- 3.0mm shaft attachable with a special Bushing



DG-38S

- Light duty operation such as a polishing, burr removing etc.
- 3.0mm shaft attachable with a special Bushing



DGS-38L

- Due to a silencer installed, 20% noise-reduced
- Suitable for indoor working



DGS-38S

- Due to a silencer installed, 20% noise-reduced
- Suitable for indoor working



DG-38RS

- Low vibration due to its reinforced rotor shaft diameter (8mm -> 9mm)
- For rotary burr tools use



DG-38RS-1

- Low vibration due to its reinforced rotor shaft diameter (8mm -> 9mm)
- For rotary burr tools use



DG-38LS

- Protection from hazard by safety lever
- 3.0mm shaft attachable with a special Bushing
For overseas Exports



Silencer
(Only DGS-38L, DGS-38S)



∅3mm Busing
(Option)

Model	Capacity (collet size)		Max. free speed rpm	Length		Weight (without collet)		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm (ø)		in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DG-38L	-	6(3)	25,000	6.37	162	1.25	0.57	PT 1/4	10.7	0.3	85	6
DG-38S	-	6(3)	25,000	7.08	180	1.25	0.57	PT 1/4	10.7	0.3	85	6
DGS-38L	-	6(3)	22,000	6.37	162	1.25	0.57	PT 1/4	10.7	0.3	85	6
DGS-38S	-	6(3)	22,000	7.08	180	1.25	0.57	PT 1/4	10.7	0.3	85	6
DG-38RS	-	6(3)	25,000	7.08	180	1.47	0.67	PT 1/4	10.7	0.3	85	6
DG-38RS-1	-	6(3)	25,000	7.40	188	1.60	0.73	PT 1/4	10.7	0.3	85	6
DG-38LS	-	6(3)	25,000	6.88	175	1.25	0.57	PT 1/4	10.7	0.3	85	6

Die Grinders (long type)



DGL-38L

- Lever type on the On / Off for simple working
- Easy operation in the corner or narrow space by its extended spindle
- 3.0mm shaft attachable with a special Bushing



DGL-38S

- Roll type on the On/Off for successive working
- Easy operation in the corner of narrow space by its extended spindle
- 3.0mm shaft attachable with a special Bushing

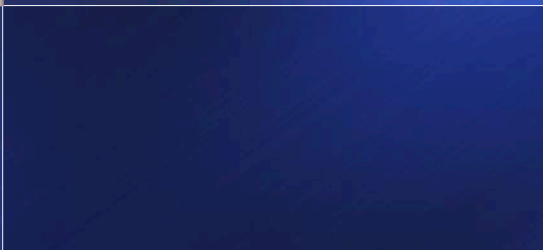
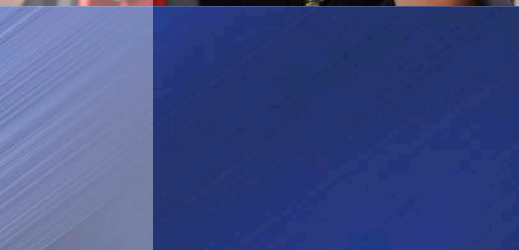
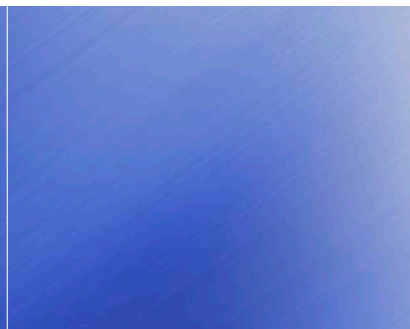


DGL-38LS

- Protection from hazard by safety lever
- 3.0 mm shaft attachable with a special Bushing
- For overseas Exports



∅3mm Busing
(Option)



Model	Capacity (collet size)		Max. free speed rpm	Length		Weight (without collet)		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm(ϕ)		in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DGL38L	-	6(3)	25,000	12.6	320	2.02	0.92	PT 1/4	10.7	0.3	85	6
DGL38S	-	6(3)	25,000	13.1	335	2.02	0.92	PT 1/4	10.7	0.3	85	6
DGL38LS	-	6(3)	25,000	12.99	330	2.02	0.92	PT 1/4	10.7	0.3	85	6

Die Grinders (50 series)



DG-50L

- Collet size 6mm only
- High durability for rotary burr tool
- Low vibration due to its precision concentricity



DG-50S

- Collet size 6mm only
- High durability for rotary burr tool
- Low vibration due to its precision concentricity



DG-50LX

- Collet size 8mm only
- High durability for rotary burr tool
- Low vibration due to its precision concentricity



DG-50SX

- Collet size 8mm only
- High durability for rotary burr tool
- Low vibration due to its precision concentricity

Model	Capacity (collet size)		Max. free speed rpm	Length		Weight (without collet)		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm(ε)		in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DG-50L	-	6	22,000	9.05	230	1.63	0.74	PT 1/4	178	0.5	85	6
DG-50S	-	6	22,000	8.18	208	1.67	0.76	PT 1/4	178	0.5	85	6
DG-50LX	-	8	22,000	9.05	230	1.63	0.74	PT 1/4	178	0.5	85	6
DG-50SX	-	8	22,000	8.18	208	1.67	0.76	PT 1/4	178	0.5	85	6

Impact Drivers

Screw Drivers

Edge Cutters

Drills, Chipping Hammer
Needle Scalers

Parts

Micro Grinders (turbine / standard)

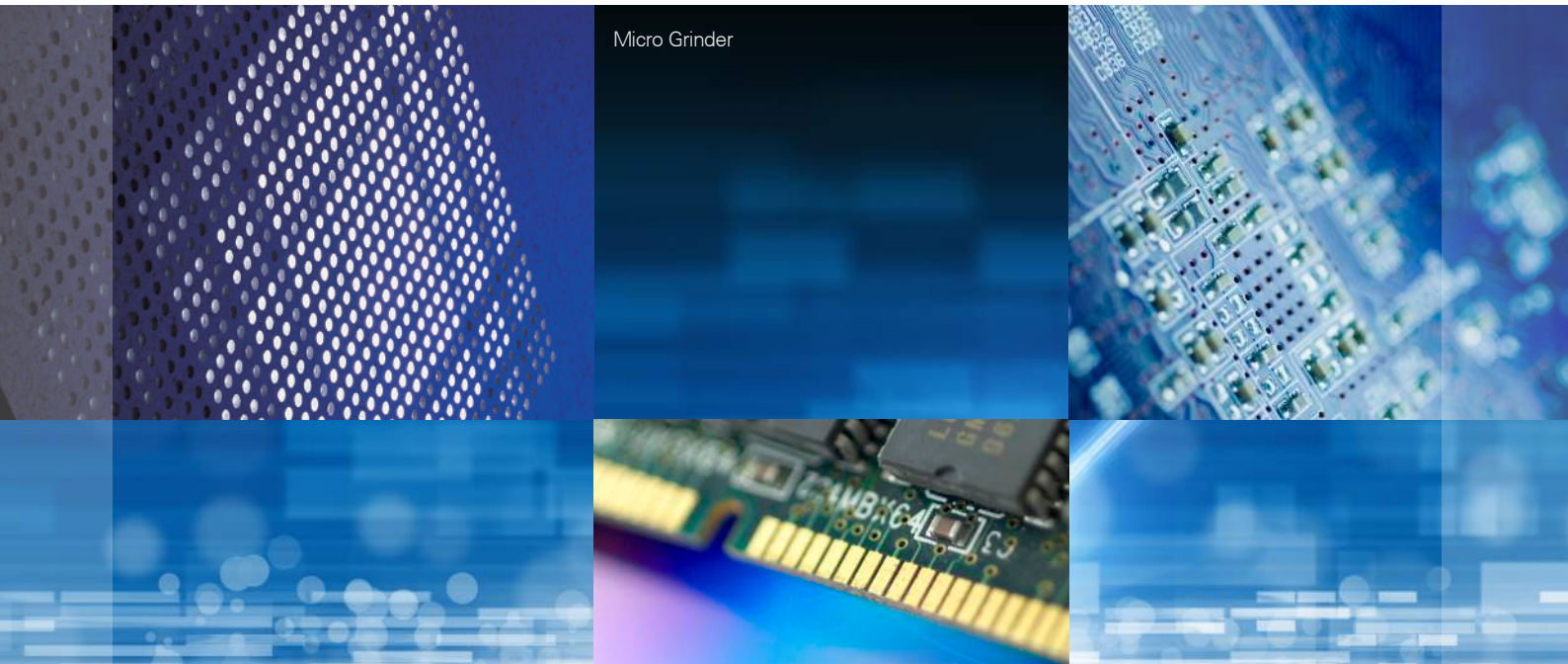
Micro Grinders (turbine / standard)

High precision processing due to the low vibration at high RPM with compact design and light weight

Applied to the grinding process of various molders, removing burr and processing of complex surface, and etc.

Specially, turbine type demonstrates the superior performance and durability compared with rotary type.

Micro Grinders



DT-1000(turbin type)

- Small size and Multi-stage axial turbin system
- Super high speed(100,000 rpm)
- High durability because of no friction between each part
- Good performance with high power
- Low trouble due to smooth On/Off valve
- Front exhaust



DMG-3M(pencil type)

- Long lifetime and pleasant operation condition with a silencer
- Good operation with the strong power
- Low operator's fatigue
- Rear exhaust

Model	Capacity (collet size)		Max. free speed rpm	Length		Weight (without collet)		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm(φ)		in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DT-1000	-	3	100,000	5.7	145	0.55	0.25	PT1/8	7.1	0.2	85	6
DMG-3M	-	3	65,000	6.3	162	0.35	0.16	PT1/4	7.1	0.2	85	6

Impact Drivers

Screw Drivers

Edge Cutters

Drills, Chipping Hammer,
Needle Scalers

Parts

Impact Wrenches (1", 3/4", 1/2" and 3/8")

Impact Wrenches (1", 3/4", 1/2" and 3/8")

High productivity, worker's fatigue reduction
by the ergonomic design

Light weight and quick response

Widely used in the field of automobile and
motorcycle assembly line or maintenance

DAEWOO
AIR TOOLS

1", 3/4" Impact Wrenches



DIW-25HP(1") / DIW-25HPA(3/4")

- Loosening torque is higher 15% more than the other direction
- Magnesium alloy material enable 30% lighter weight than aluminum casing
- Unique shape and lightness reduce worker's fatigue and prevent musculoskeletal disorder
- 1" & 3/4" Anvil be easily exchangeable
- Attached Air regulator improves job skills
- Rear exhaust



DIW-19P(3/4")

- Single hammer type
- Good performance on the maintenance of commercial vehicles or heavy duty machines
- Installed the flow regulator
- Highest power among the same class models
- Easy maintenance due to the easy disassemble and reassemble



DIW-19N(3/4")

- Double hammer type
- Shock absorbing rubber covered
- Installed the flow regulator
- Lightest weight among the same class models

Model	Hex size		Bolt size SIZE	Max. free speed RPM	Max. torque		Length		Weight		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm			kg.m	N.m	in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DIW-25HP	1	25	M24-M32	6,000	100	980	8.9	226	11	5	PT3/8	56.5	1.6	85	6
DIW-25HPA	3/4	19	M24-M32	6,000	100	980	8.9	226	11	5	PT3/8	56.5	1.6	85	6
DIW-19P	3/4	19	M18-M22	5,000	70	686	9.05	230	8.8	4	PT1/4	31.7	0.9	85	6
DIW-19N	3/4	19	M18-M22	5,000	80	784	8.77	210	8.15	3.7	PT1/4	31.7	0.9	85	6

1/2" Impact Wrenches



DIW-14N2 (1/2")

- High durability with double hammer type
- Good performance on the maintenance of vehicles
- One touch operation type on the reverse valve and flow regulator installed
- Multi-stage trigger type
- Front exhaust



DIW-13P2 (1/2")

- Specially used in the field of automobile assembly line or maintenance
- Double hammer type
- Front exhaust



DIW-8PA (1/2")

- Specially used in the field of automobile and motorcycle assembly line or maintenance
- Double hammer type
- Front exhaust

Model	Hex size		Bolt size SIZE	Max. free speed RPM	Max. torque		Length		Weight		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm			kg.m	N.m	in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DIW-14N2	1/2	12.7	M12-M16	7,200	54	530	7.24	184	5.7	2.6	PT1/4	24.7	0.7	85	6
DIW-13P2	1/2	12.7	M12-M16	4,800	68	670	7.95	202	6.1	2.8	PT1/4	14.1	0.4	85	6
DIW-8PA	1/2	12.7	M8-M10	7,500	38	373	6.29	160	3.5	1.6	PT1/4	14.1	0.4	85	6

7" Angle Grinders
4, 5" Angle Grinders

Die Grinders I

Die Grinders II

Micro Grinders

Impact Wrenches

3/8" Impact Wrenches



DIW-8P

- Specially used in the field of automobile and motorcycle assembly line or maintenance
- Double hammer type
- Front exhaust



DIW-6P2

- Double hammer type
- Specially used in the field of automobile assembly line
- High productivity due to light weight, compact design, and easy handling grip for operator
- Rear exhaust



DIW-5P

- Double hammer type
- Controllable the rotation direction by one hand
- High productivity due to light weight and compact design
- Two stage trigger control the RPM
- Quiet operation with a silencer
- Rear exhaust



DIW-6SA2

- Double hammer type & straight impact wrench
- High productivity due to light weight, compact design, and easy handling grip for operator
- Specially used in the field of automobile and motorcycle assembly line or maintenance
- Front exhaust

Model	Hex size		Bolt size SIZE	Max. free speed RPM	Max. torque		Length		Weight		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm			kg.m	N.m	in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DIW-8P	3/8	9.5	M8-M10	7500	38	373	6.29	160	3.5	1.6	PT1/4	14.1	0.4	85	6
DIW-6P2	3/8	9.5	M5-M8	8,000	21	206	6.61	168	2.4	1.1	PT1/4	10.5	0.3	85	6
DIW-5P	3/8	9.5	M5-M8	9,000	17	167	6.88	175	1.98	0.9	PT1/4	10.5	0.3	85	6
DIW-6SA2	3/8	9.5	M5-M8	7,000	13	127	6.49	165	2.2	1.0	PT1/4	10.5	0.3	85	6

Screw Drivers

Impact Drivers

Edge Cutters

Drills, Chipping Hammer,
Needle Scalers

Parts

Impact Drivers (pistol, standard, straight type)

Impact Drivers (pistol, standard, straight type)

— The ergonomic design and quick response by light weight and compact design

High efficiency by changing bits quickly and easily

A proper torque adjustment and pleasant work environment by equipped with a flow regulator and a silencer

7" Angle Grinders
4" 5" Angle Grinders

Die Grinders I

Die Grinders II

Micro Grinders

Impact Wrenches

Impact Drivers (pistol and standard)



DID-6P3

- Double hammer type
- High productivity due to light weight, compact design, and easy handling grip for operator
- Quick changeable driver anvil
- Specially used in the field of automobile and motorcycle assembly line or maintenance
- Rear exhaust



DID-5P3

- Double hammer type
- Controllable the rotation direction by one hand
- High productivity due to light weight, compact design, and easy handling grip for operator
- Two stage trigger control RPM
- Quiet operation with a silencer
- Rear exhaust



DID-6SA3

- Double hammer type & straight impact wrench
- High productivity due to light weight, compact design, and easy handling grip for operator
- Quick changeable driver anvil
- Specially used in the field of automobile and motorcycle assembly line or maintenance
- Front exhaust

Model	Hex size		Bolt size SIZE	Max. free speed RPM	Max. torque		Length		Weight		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm			kg.m	N.m	in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DID-6P3	1/4	6.35	M5-M8	8,000	21	206	7	178	2.4	1.1	PT1/4	10.5	0.3	85	6
DID-5P3	1/4	6.35	M5-M8	9,500	17	167	6.8	175	2	0.9	PT1/4	10.5	0.3	85	6
DID-6SA3	1/4	6.35	M5-M8	7,000	13	127	7.7	197	2.2	1.0	PT1/4	10.5	0.3	85	6

Impact Drivers (Straight)



DID-4S

- Double hammer type
- High productivity due to light weight, compact design, and easy handling grip for operator
- Specially used in the field of home electric appliances assembly line
- Control torque due to a flow regulation valve equipped



DID-4H

- Double hammer type
- High productivity due to the light weight, compact design, and easy handling grip for operator
- Specially used in the field of home electric appliances assembly line.
- Control torque due to a flow regulation valve equipped
- Quick and easy changeable driver anvil

Model	Hex size		Bolt size SIZE	Max. free speed RPM	Max. torque		Length		Weight		Thread air inlet in	Average air consumption		Recommended air pressure	
	in	mm			kg.m	N.m	in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DID-4S	1/4	6.35	M4-M6	9,500	3	29	6.8	175	1.65	0.75	PT1/4	10.5	0.3	85	6
DID-4H	1/4	6.35	M4-M6	9,500	3	29	7.08	180	1.69	0.77	PT1/4	10.5	0.3	85	6

Impact Drivers

Screw Drivers

Edge Cutters

Drills, Chipping Hammer,
Needle Scalers

Parts

Screw Drivers (standard and high class)

Screw Drivers (standard and high class)

—
Worker's fatigue reduction by the ergonomic design

Available to suit working conditions by adjusting torque

High efficiency by changing bits quickly and easily



7" Angle Grinders
4" 5" Angle Grinders

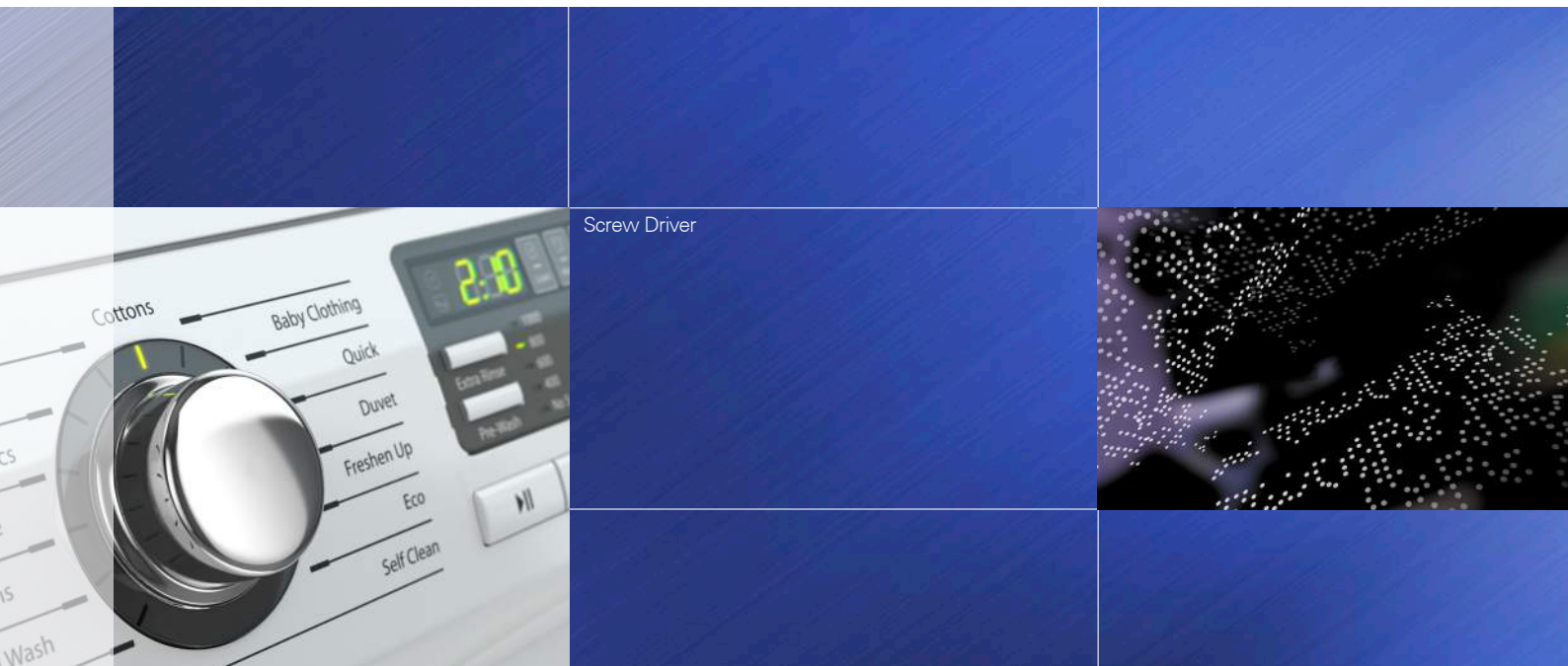
Die Grinders I

Die Grinders II

Micro Grinders

Impact Wrenches

Screw Drivers (standard)



Screw Driver



DS-4L

- Safety due to the cushion clutch even in the overload state
- Widely used in fastening or removing the screw



DS-5L

- Safety due to the cushion clutch even in the overload state
- High torque operation because of adjustable the torque by an air regulator

Model	Bit size	Max. free speed RPM	Max. torque		Length		Weight		Thread air inlet in	Hose size		Average air consumption		Recommended air pressure	
	mm		kg.cm	N.m	in	mm	lb	kg		in	mm	ft ³ /min	m ³ /min	PSI	kg/m ²
DS-4L	5	2,000	10~25	0.98~2.45	7.71	196	1.32	0.6	PT 1/4	1/4	6.35	7	0.2	71	5
DS-5L	6.35	1,400	20~40	1.96~3.92	10.15	258	2.42	1.1	PT 1/4	1/4	6.35	7	0.2	71	5

Screw Drivers

(high class)



DS-4TS-10

- Easy and quick control of rotation direction
- Providing a firm torque because the auto shut-off clutch shuts down the air supply when a set torque is accomplished
- Specially used in the precision fastening process
- Quick changeable bit driver anvil
- Available 5 or 6.35 mm bit according to the customer's need



DS-4TL-10

- Easy and quick control of rotation
- Specially used in the precision fastening process
- Smooth and silky operation with the cushion clutch
- Quick changeable bit driver anvil
- Available 5 or 6.35 mm bit according to the customer's need

Model	Bit size	Max. free speed	Max. torque		Length		Weight		Thread air inlet	Hose size		Average air consumption		Recommended air pressure	
	mm	RPM	kg.cm	N.m	in	mm	lb	kg	in	in	mm	ft ³ /min	m ³ /min	PSI	kg/m ²
DS-4TS-10	5 or 6.35	1,200	5~20	0.50~1.96	9.44	240	1.4	0.6	PT 1/8	1/4	6.35	11.3	0.32	85	6
DS-4TL-10	5 or 6.35	1,200	5~30	0.50~2.94	9.44	240	1.4	0.6	PT 1/8	1/4	6.35	11.3	0.32	85	6

7" Angle Grinders
4", 5" Angle Grinders

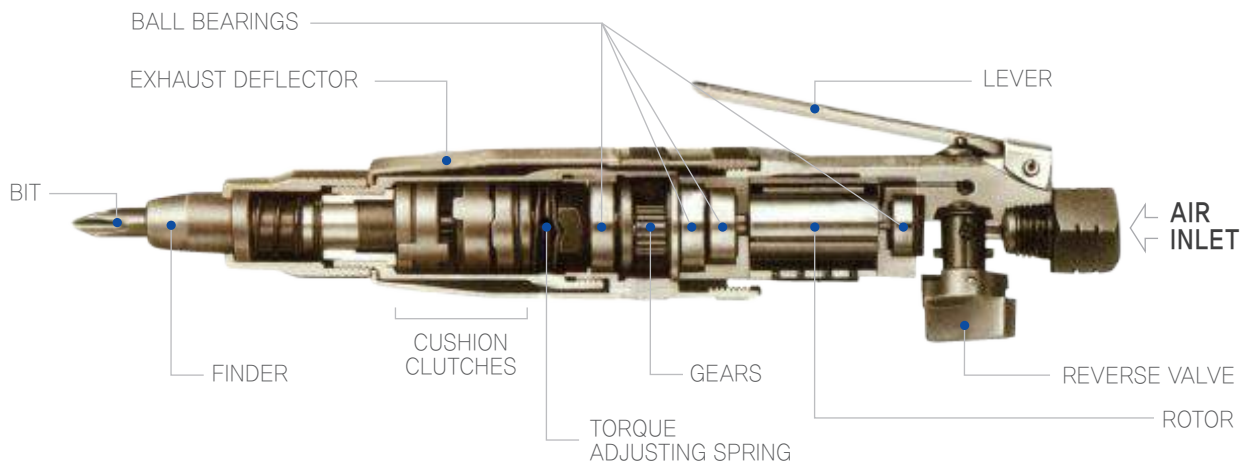
Die Grinders I

Die Grinders II

Micro Grinders

Impact Wrenches

Screw driver structure



Quick changeable driver anvil 5.0, 6.35 mm Hex



Bit is changeable by pulling forward the retainer sleeve

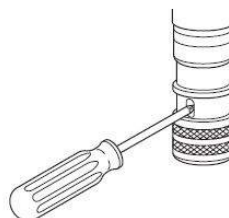
Torque Adjustment Method



After disassembling the product, Torque can be adjusted.
Torque can be adjusted.
Please follow the instruction below.

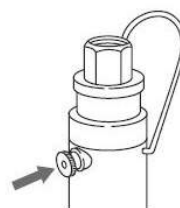
- 1st. immobilize the adjusting nut
 - 2nd. insert a bit into the hammer shank.
- Clockwise : Increase
 - Anticlockwise : Decrease

Torque Control



Torque is increased by turning the cross type driver clockwise.

Valve of rotation direction



Reversely rotated when pushes down as the arrow direction, and then fixed after about 1/3 rotation.

Impact Drivers

Screw Drivers

Edge Cutters

Drills, Chipping Hammer,
Needle Scalers

Parts

DAEWOO
AIR TOOLS

Edge Cutters

Edge Cutters

—
Easy changeable insert tip

Specially used in the field of ship building
heavy industries for trimming process of
steel plate edge

High productivity, worker's fatigue
reduction by the ergonomic design



7" Angle Grinders
4", 5" Angle Grinders

Die Grinders I

Die Grinders II

Micro Grinders

Impact Wrenches

Edge Cutters



DAC-3TQ (tip fastening : eccentric orbit bolt)
DAC-3TQA (tip fastening : screw bolt)

- Easy changeable insert tip
- Multi purpose process because of various insert tips (liner or curve)
- Specially used in the field of ship building heavy industries for trimming process of steel plate edge
- Light weight & easy handling
- Easy to use due to a same bodycasing with an angle grinder



DAC-3T (tip fastening : eccentric orbit bolt)
DAC-3TB (tip fastening : screw bolt)

- Easy changeable insert tip
- Multi purpose process because of various insert tips (liner or curve)
- Specially used in the field of ship building heavy industries for trimming process of steel plate edge
- Easy to use due to a same bodycasing with an angle grinder

Model	Capacity		Max. power PS	Cutting speed m/min	Tip EA	Max. free speed RPM	Length		Weight		Thread air inlet in	Average air consumption		Recommended air pressure	
	면취 (R)	최소반경 (R)					in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DAC-3TQ/3TQA	3.0mm	17mm	1.4	2~3	3	8,500	10.6	270	6.17	2.8	PT3/8	31.78	0.9	85	6
DAC-3T/3TB	3.0mm	17mm	0.7	2~3	3	10,000	8.42	214	18.5	3.4	PT1/4	21.10	0.6	85	6

Impact Drivers

Screw Drivers

Edge Cutters

Drills, Chipping Hammer,
Needle Scalers

Parts

Drills, Chipping Hammer, and Needle Scalers

Drills

- Easy controllable the rotation direction and the ergonomic design
- Excellent workability by optimized reduction ratio

Chipping Hammer and Needle Scalers

- Easy operation with excellent performance for removing the scales
- High power for tool weight
- Musculoskeletal disorder prevention by minimizing vibration



7" Angle Grinders
4" 5" Angle Grinders

Die Grinders I

Die Grinders II

Micro Grinders

Impact Wrenches

Drills



DR-8RH

- A general industrial drill chuck, 3/8", is available
- With high output, working efficiency is high and it's possible to reverse one-handed.
- A silencer is attached for a pleasant working environment.
- With Double trigger structure, it's possible to conduct tapping at low speed(500rpm).



DRS-4R

- Straight type drill
- Attachable the 3/8 drill chuck
- Easy control of rotation direction using a rotation control button

Model	Capacity (drill size)		Max. free speed RPM	Spindle thread in	Length		Weight		Thread air inlet in	Hose size		Average air consumption		Recommended air pressure	
	in	mm			in	mm	lb	kg		in	mm	ft ³ /min	m ³ /min	PSI	kg/m ²
DR-8RH	3/8	10	1,300	3/8	7.08	180	2.64	1.2	PT1/4	3/8	10	21.18	10	85	6
DRS-4R	1/4	6.35	1,700	3/8	8.85	225	1.42	0.6	PT1/8	1/4	6.35	10.7	6.35	85	6

Chipping Hammer



DCH-24

- Widely used for removing the scales after welding, sanding after casting, and cutting process
- High power with even light weight

Needle Scalars



DNH-16

- Shock absorbing rubber covered
- Widely used for removing the scales after welding, sanding after casting, and cutting process
- High power with light weight



DNH-16S

- Shock absorbing rubber covered
- Widely used for removing the scales after welding, sanding after casting, and cutting process
- High power with light weight

Model	Chisel shank	Blow b/min	Length		Weight		Thread air inlet in	Average air consumption		Recommended air pressure	
	mm		in	mm	lb	kg		ft ³ /min	m ³ /min	PSI	kg/m ²
DCH-24	10	4,000	6.45	164	1.76	0.8	PT 1/4	7.06	0.2	85	6
DNH-16	∅3.0x180	6,000	787	200	2.07	0.94	PT 3/8	5.65	0.16	85	6
DNH-16S	∅3.0x180	6,000	787	200	2.07	0.94	PT 3/8	5.65	0.16	85	6

Parts



Aluminium Pad

- Sustain the sand papers for painting pre-process
- Long lifetime and safety
- More strenght compared to the plastic pad
- Usable 4" or 7"

Various Anvils & Hammers

- Strong power with long durability

Air Regulator

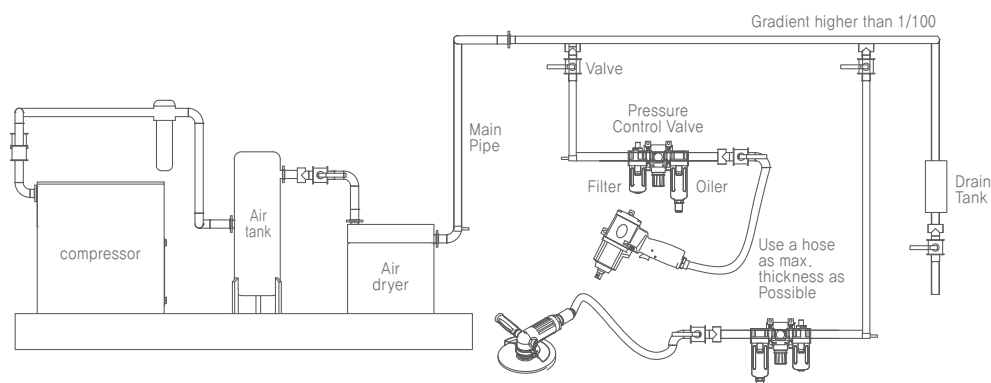
- Control the air flowrate depending on the output
- Easy operation because of selecting the air flowrate according to the operation condition
- Control : 1~4 stages

Oil for air tools

- Lubricants for long lifetime, anti-rust and easy operation
- Removing the sludge causing the speed down and power reduction
- Keep the maximum power and extend air tools lifetime

Recommended arrangement of air piping

⚠ Fatal defects or malfunction of air tools are caused by the air that includes moisture within the pipings



7" Angle Grinders
4", 5" Angle Grinders

Die Grinders I

Die Grinders II

Micro Grinders

Impact Wrenches

Safety Instructions For Users Of Daewoo Air Tools

Safety first!

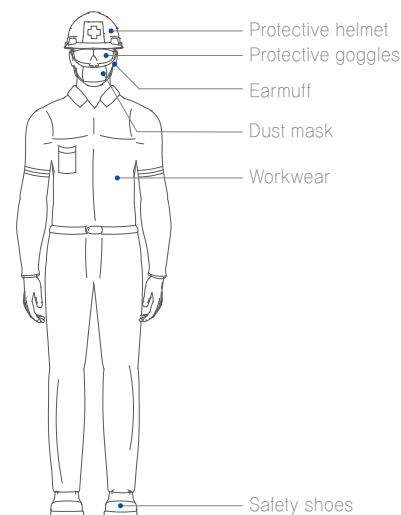
In order to use air tools properly and safely, should read carefully and understand this instruction this instruction before operation.

Keep this instruction manual at a best place near the working area for reading and referring before operation.

Be careful not to remove the warning labels attached at air tools.

WEAR CLOTHING AND PROTECTORS

- Wear the proper clothing for safe operation (Fig.1)
- Not to wear loose clothing because the RPM of air tools is very high
- Wear a safety cap to cover all of the hairs
- Wear a safety eyeglasses, which should be consisted of an impact proof lens
- Wear a mask for protecting against the dust and particles which are generated during the operation and which are harmful for your health
- Wear an ear protector to reduce the noise and preserve your hearing ability
- Wear a safety shoes
- Take a time for relax when operators are tired
- No touch to the rotating wheel. (Fig. 1)



(Fig.1)

WORKING AREA AND ENVIRONMENT

- Keep working area clean and be careful not to slip by the oil or something like that
- Keep out flammable or explosive liquids or gaseous, they cause to fire by the spark generated during operation
- Do not operate in the explosive atmosphere which is likely to blow up
- According to the operating condition, noise or vibration is generated. Be sure that it conforms all the local regulations
- When the working place is changed, move after stopping operation and disconnecting with the hoses

MAINTENANCE AND CHECK

- Keep air tools clean and safely after using them
- When air tools need repair, air tools should be checked by the manufacturer or the licensed agent, Repairing by the operator causes of failure and serious damage to the operator
- When replace parts, should use the approved parts by the manufacturer. Other parts cause of failure and serious damage to the operator and the machine
- When need any special tools for dis- or re-assembly of air tools, inquire to the licensed agent or manufacturer
- Vent the pressurized air out for purification from the air tank everyday and mount air filter at the tank inlet against the acidify process in inner parts and the abrasion by the high RPM
- Do not use improper or broken hoses or connectors

PROPER OPERATION

- Be sure that the air pressure is supplied at the rate pressure
- Be sure that materials are tighten up before operation. If not, grinders would be broken by the vibration and it is very dangerous
- When attach the accessories at the tools, check the attached state. When handle air tools' parts, be careful not to touch the sharp edge
- Never use a grinder wheel which are too much abrasive, broken, twisted, defective etc. Broken parts of grinder during operation are very dangerous to machines as well as operators
- When replace the grinder wheel, be sure that the air hose is disconnected with the air tool
- Operate in proper and comfortable posture, instable and improper posture would be caused of pain to operators' hand, foot or waist. Do not add strong shock to air tools and do not drop down or throw away them, which are assembled with precision parts. Strong shock causes of failure by the broken and twisted parts.
- Do not use air tools at the abnormal operation. Be sure that operation is under the air tools' capacity. Do not use air tools for other purposes except instructed.

DISPOSAL

- Air tools consist of steel, iron, bronze, aluminium, rubber or some others. Be careful not to contaminate humans or environment when air tools are disposed

Impact Drivers

Screw Drivers

Edge Cutters

Drills, Chipping Hammer,
Needle Scalers

Parts

MEMO



YANGSAN MACHINERY
STRONG COMPANY STRONG TOOLS

YANGSAN MACHINERY CO., LTD.

113, Sandan 4-ro, Jeonggwan-myeon,
Gijang-gun, Busan, Korea

T +82-51-728-7068

F +82-51-728-7069

www.ysm24.com

 **Made in KOREA**