

2"(50mm) & 4"(100mm) Angle Grinders (Governed & Non-governed)

These 2" and 4" handy angle grinders are ideally suited for close-quarter work with less operator's fatigue. Both AG-50 and AG-100 series grinders are available with two different throttle handles. The self-closing lever throttle handle is suitable for intermittent operation and the sleeve type throttle handle is for continuous operation. The governed models are recommended for heavy-duty production grinding.

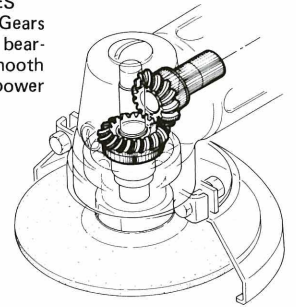
GREASE PLUG

LIGHT TYPE

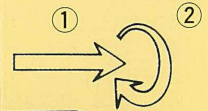
MODEL
AG-100SL
13,500 r.p.m.
governed



ANGLE GEARS
(Spiral Bevel Gears supported by ball bearings assure smooth transmission of power with long life).



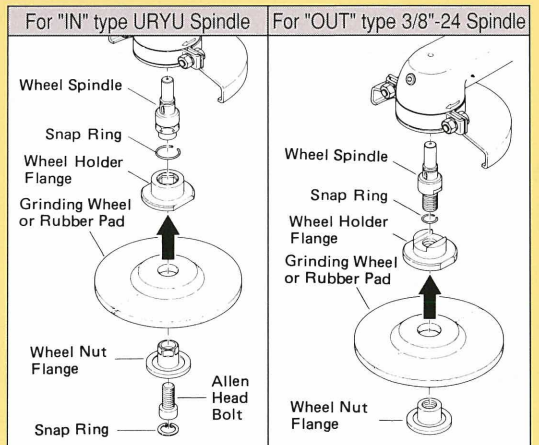
SLEEVE TYPE THROTTLE
(Pull back the sleeve to release and turn anti-clockwise to start.)



GREASE PLUG

HEAVY-DUTY TYPE

MODEL
USG-4S
13,500 r.p.m.
governed



URYU SEISAKU, LTD.
Osaka, Japan

2013.02

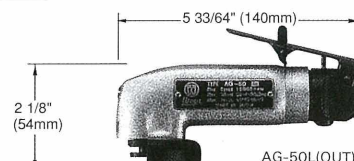
OKA-198-12-11-18-3022

2"(50mm) & 4"(100mm) Angle Grinders

NON-GOVERNED TYPE

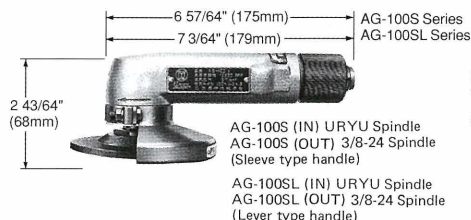


AG-50(OUT)



AG-50L(OUT)

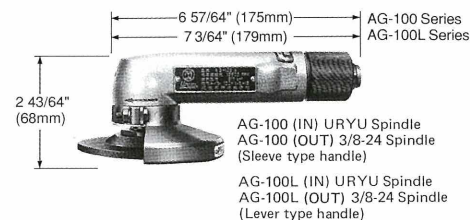
GOVERNED TYPE



AG-100S (IN) URYU Spindle
AG-100S (OUT) 3/8-24 Spindle
(Sleeve type handle)
AG-100SL (IN) URYU Spindle
AG-100SL (OUT) 3/8-24 Spindle
(Lever type handle)

SLEEVE TYPE THROTTLE
VALVE (Push forward to release
and turn anti-clockwise to start)

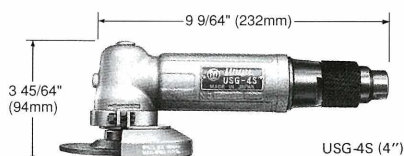
NON-GOVERNED TYPE



AG-100 (IN) URYU Spindle
AG-100 (OUT) 3/8-24 Spindle
(Sleeve type handle)
AG-100L (IN) URYU Spindle
AG-100L (OUT) 3/8-24 Spindle
(Lever type handle)

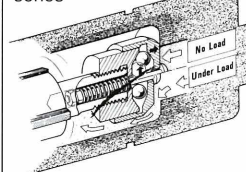
GOVERNED TYPE

(Type "IN" spindle only)

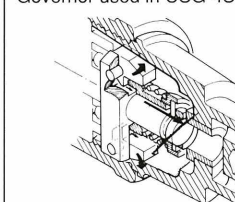


USG-4S (4")

Governor used in AG-100S
series



Governor used in USG-4S



SPECIFICATIONS (Subject to change without notice.)

※The uncertainty in the sound levels is 3dB(A).

Model	Capacity (Wheel Size)		Max. Free Speed (about)	Weight less Wheel (about)		Average Air Consumption (about)		Sound Pressure Level (L _{PA})	Sound Power Level (L _{WA})	Vibration Total Value (A _{rd})	Vibration Uncertainty (K)
	mm	in	r.p.m	kg	lb	m ³ /min.	ft ³ /min.				
AG-50 (OUT)	50	2	15,000	0.63	1.40	0.45	16.0	80	-	<2.5	0.8
AG-50L (OUT)	50	2	15,000	0.63	1.40	0.45	16.0	80	-	<2.5	0.8
AG-100 (IN)	100	4	13,500	0.95	2.10	0.50	18.0	80	-	<2.5	0.54
AG-100L (IN)	100	4	13,500	1.05	2.30	0.50	18.0	80	-	<2.5	0.59
AG-100 (OUT)	100	4	13,500	0.95	2.10	0.50	18.0	80	-	<2.5	0.54
AG-100L (OUT)	100	4	13,500	1.05	2.30	0.50	18.0	80	-	<2.5	0.59
AG-100S (IN)	100	4	13,500	1.00	2.20	0.50	18.0	80	-	<2.5	0.53
AG-100SL (IN)	100	4	13,500	1.10	2.40	0.50	18.0	80	-	<2.5	0.56
AG-100S (OUT)	100	4	13,500	1.00	2.20	0.50	18.0	80	-	<2.5	0.53
AG-100SL (OUT)	100	4	13,500	1.10	2.40	0.50	18.0	80	-	<2.5	0.56
USG-4S	100	4	13,500	1.65	3.60	0.60	22.0	80	-	3.5	1.1

Air Pressure : 0.6MPa (85psi) Air Inlet Thread (Pipe Tap) : N.P.T.1/4 Air Hose Size : 9.5mm (3/8")

[WARNING for safety use]

Firstly, follow your local safety regulations strictly on grinders and abrasives. Followings are basically required.

- (1) Do not neglect to use the most suitable and well-maintained wheel guards and wheel mounting flanges.
- (2) Check spindle speed frequently with suitable instruments by competent user personnel to make sure that the speed is correct for the size and type of wheel used.
- (3) Use grinding wheels of suitable size, shape, quality and strength.
- (4) Keep the governor always clean and functioning properly.
- (5) Lubricate air motor adequately through oilers.
- (6) Use clean and dry air.
- (7) Make sure before operation that the abrasive wheel is mounted correctly.
- (8) Do not increase air pressure for power-up.

IMPORTANT!!

- ★ **Air Pressure** :—85psi (0.6MPa) Air Pressure is recommended for the most efficient performance. Too high air pressure will cause damage.
- ★ **Lubrication** :—For Air Motor—Supply Turbine Oil properly before and after operation. (For example, MOBIL TURBINE OIL #32, SHELL TURBINE OIL #32, and or equivalent.)
- ★ **For Bearings**—Supply recommended high quality Grease properly (for examples, SHELL ALVANIA NO.2, MOBILPLEX 2, or equivalents.) once every three months and when the tool is overhauled. Over-greasing will cause dull motion or heating.
- ★ **Dry & Clean Air** :—Drain daily, and install filter at or near the take-off point to prevent trouble from foreign matter.
- ★ **Air Hose & Joints** :—Use Air Hose (the shorter, the better), Joints and other fittings of good condition and of proper size to avoid pressure drop.
- ★ **Regular Overhaul** :—At least once every three months regular or periodical overhaul by a competent person is needed for best performance and trouble-less operation.
- ★ **Genuine Parts** :—Use only URYU's genuine spare parts for replacement.

Distributed by :

Printed in Japan

URYU SEISAKU, LTD.

Claims must be filed only with distributors within ten(10)days from delivery.