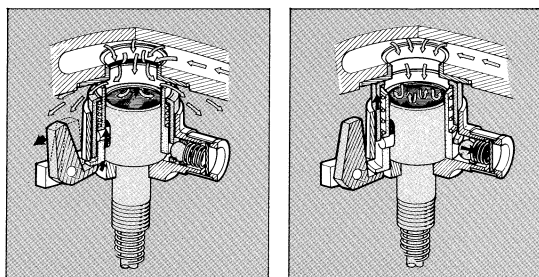


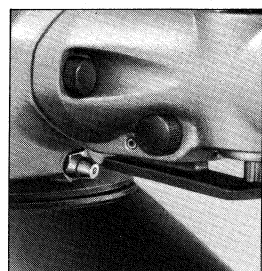
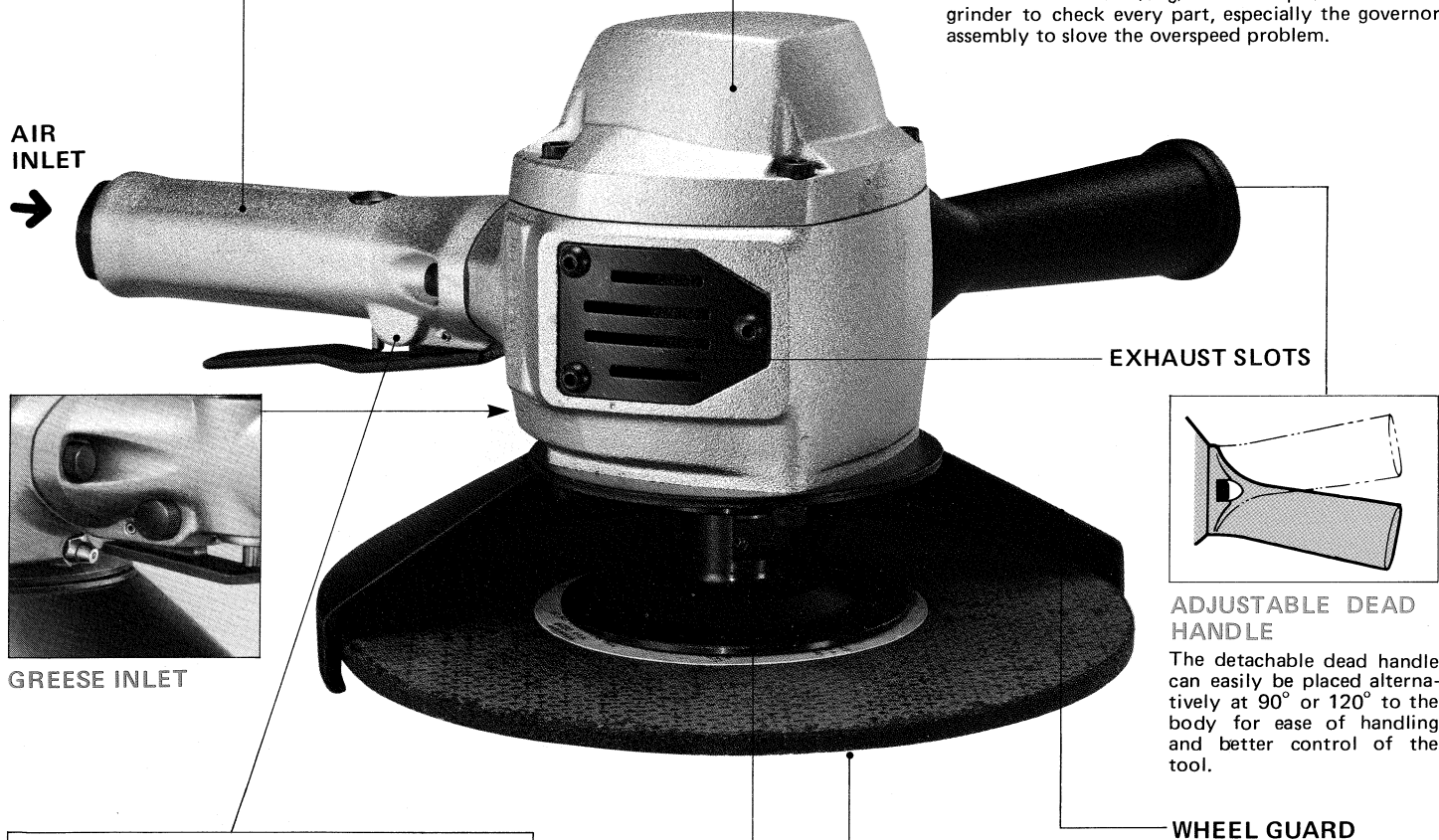
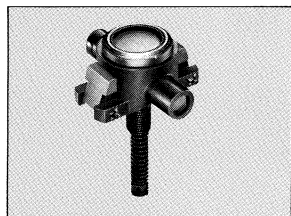
DUAL ACTION PISTON VALVE (Patent P.)

The combination of piston valve and pilot valve eases valve opening operation against high volume of intake-air. When the pilot valve is slightly opened, a little quantity of air flows into the air motor to rotate it at slower starting speed. When fully opened, the piston valve is slid inward by the air pressure to supply full quantity of air for maximum rated speed (UVG-2300 series only).

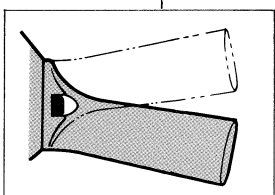


NON-FRICTION SPEED CONTROL GOVERNOR incorporated in OVERSPEED SENSING DEVICE (Patent P.)

The simply-constructed and longer-in life non-friction speed governor ensures the most efficient intake of air responding instantly to the nature of grinding job. When the grinder spindle is overspeeded suddenly by seldom and abnormal causes, the overspeed sensing device works immediately to reduce both speed and power of the motor extremely for more safety. When this device works, please check first if the air pressure at the tool exceeds the recommended level (6kg/cm² or 85 psi) and overhaul grinder to check every part, especially the governor assembly to solve the overspeed problem.

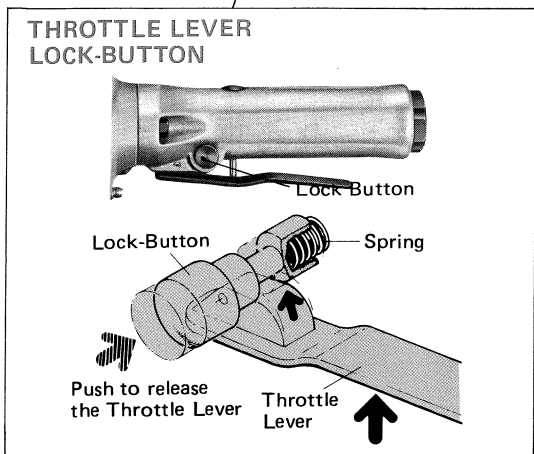


GREASE INLET



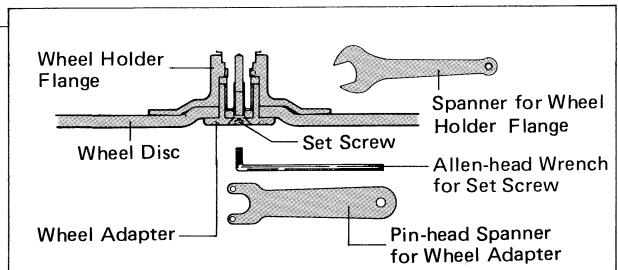
ADJUSTABLE DEAD HANDLE

The detachable dead handle can easily be placed alternatively at 90° or 120° to the body for ease of handling and better control of the tool.



Throttle lever is locked by the spring-loaded lock-button to prevent accidental throttle operation. Push the lock-button to release the throttle lever for operation. When the throttle lever is handed off, the lock-button is automatically reset.

REINFORCED DEPRESSED-CENTER WHEEL



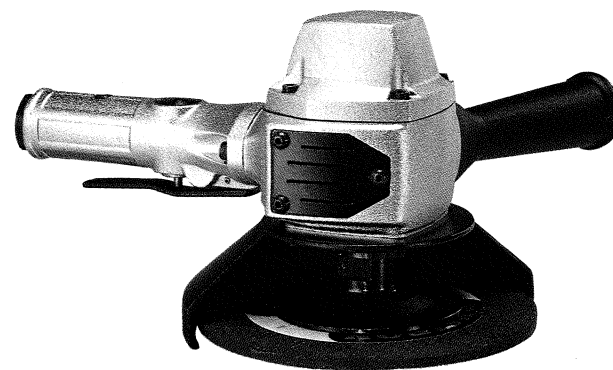
FREE-SIZE and DOUBLE LOCKING WHEEL MOUNTING ADAPTERS (Standard Type)

The adapters are applicable universally to the wheel discs of 2.5mm (3/32") - 6.35mm (1/4") in thickness. The wheel adapter can be retained by a screw for greater safety to prevent fly-off of the wheel discs in the event of a sudden spindle stoppage. Special adapters should be used for thicker wheel discs.

URYU UVG-series vertical grinders are primarily intended for heavy-duty rough grinding with depressed center wheels, but are also used with fiber discs, sanding papers, cup wheels, cut-off wheels and wire brushes for various applications. Select the right type of tool of suitable speed for respective application and use correct adapters for safety use.

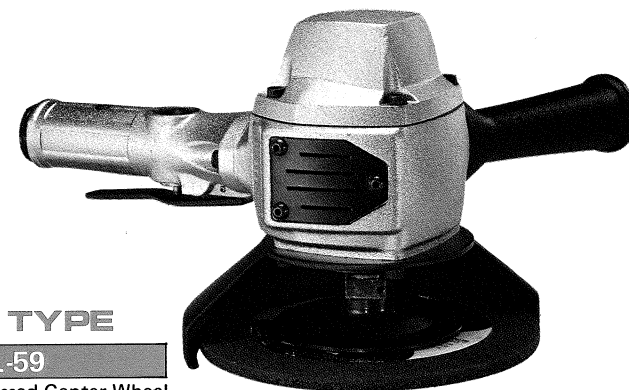
[WARNING for safety use]

- 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 guard 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 and the overspeed sensing device 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 and firmly by use of the spanners attached as standard accessories.
 - (8) Do not increase air pressure for power-up.



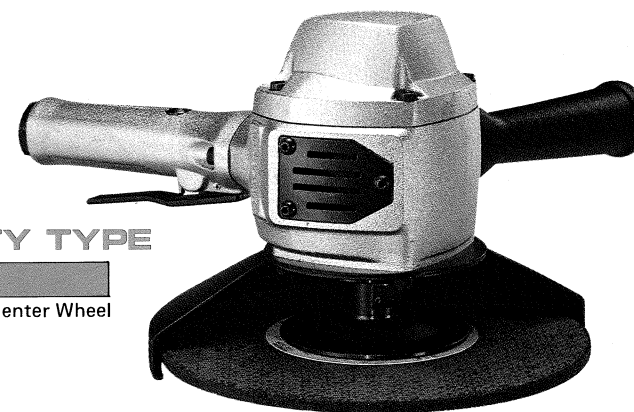
LIGHT TYPE

- URG-1500SL-76
180mm(7") Depressed Center Wheel
- URG-1500SL-84
180mm(7") Depressed Center Wheel
- URG-1500SL-91
150mm(6") Depressed Center Wheel



MEDIUM TYPE

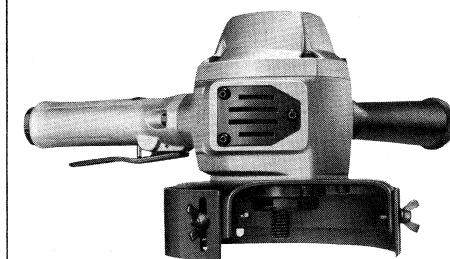
- URG-1800SL-59
230mm(9") Depressed Center Wheel
- URG-1800SL-76
180mm(7") Depressed Center Wheel
- URG-180SL-84
180mm(7") Depressed Center Wheel



HEAVY DUTY TYPE

- URG-2300SL-59
230mm(9") Depressed Center Wheel

URG-2300L-45
Governed but less overspeed sensing device. 150mm(6") Cup Wheel Guard is equipped. Same Wheel Guard can be equipped to URG-2300SL-59.



SPECIFICATIONS

Model	Max. Free Speed (r.p.m.)	Max. Power (HP)	Sound Level at Free Speed (1M from Tool) (dBA)	Capacity (Wheel Dia.)		Spindle Thread	Speed Control Governor	Overspeed Sensing Device	Overall Height		Weight (Less Wheel)		Air Inlet Thread (Pipe Tap)	Air Hose Size		Average Air Consumption		Air Pressure	
				mm	in				mm	in	kg	lb		mm	in	in ³ /min	ft ³ /min	kg/cm ²	PSI
URG-1500SL-76	7,600	1.6	83	180	7 (Depressed Ctr.)	5/8"-11	Equipped	Equipped	162	6 3/8	3.3	7.26	3/8"	12.7	1/2	1.4	49	6	85
URG-1500SL-84	8,400	1.6	83	180	7 (Depressed Ctr.)	5/8"-11	Equipped	Equipped	162	6 3/8	3.3	7.26	3/8"	12.7	1/2	1.4	49	6	85
URG-1500SL-91	9,100	1.6	83	150	6 (Depressed Ctr.)	5/8"-11	Equipped	Equipped	162	6 3/8	3.3	7.26	3/8"	12.7	1/2	1.4	49	6	85
URG-1800SL-59	5,900	2.1	83	230	9 (Depressed Ctr.)	5/8"-11	Equipped	Equipped	175	6 7/8	4.0	8.80	3/8"	12.7	1/2	1.9	67	6	85
URG-1800SL-76	7,600	2.2	83	180	7 (Depressed Ctr.)	5/8"-11	Equipped	Equipped	175	6 7/8	4.0	8.80	3/8"	12.7	1/2	2.0	70	6	85
URG-1800SL-84	8,400	2.2	83	180	7 (Depressed Ctr.)	5/8"-11	Equipped	Equipped	175	6 7/8	4.0	8.80	3/8"	12.7	1/2	2.0	70	6	85
URG-2300L-45	4,500	2.7	83	150	6 (Cup Wheel)	5/8"-11	Equipped	Not Equipped	200	7 7/8	5.0	11.00	1/2"	19.0	3/4	2.3	81	6	85
URG-2300SL-59	5,900	3.4	83	230	9 (Depressed Ctr.)	5/8"-11	Equipped	Equipped	182	7 1/4	4.8	10.56	1/2"	19.0	3/4	2.5	88	6	85
URG-1500L-60P	6,000	1.5	80	180	7 (Sanding Paper)	5/8"-11	Equipped	Not Equipped	162	6 3/8	3.0	6.60	3/8"	12.7	1/2	1.3	46	6	85

* The picture of URG-1500L-60P is shown on next page.