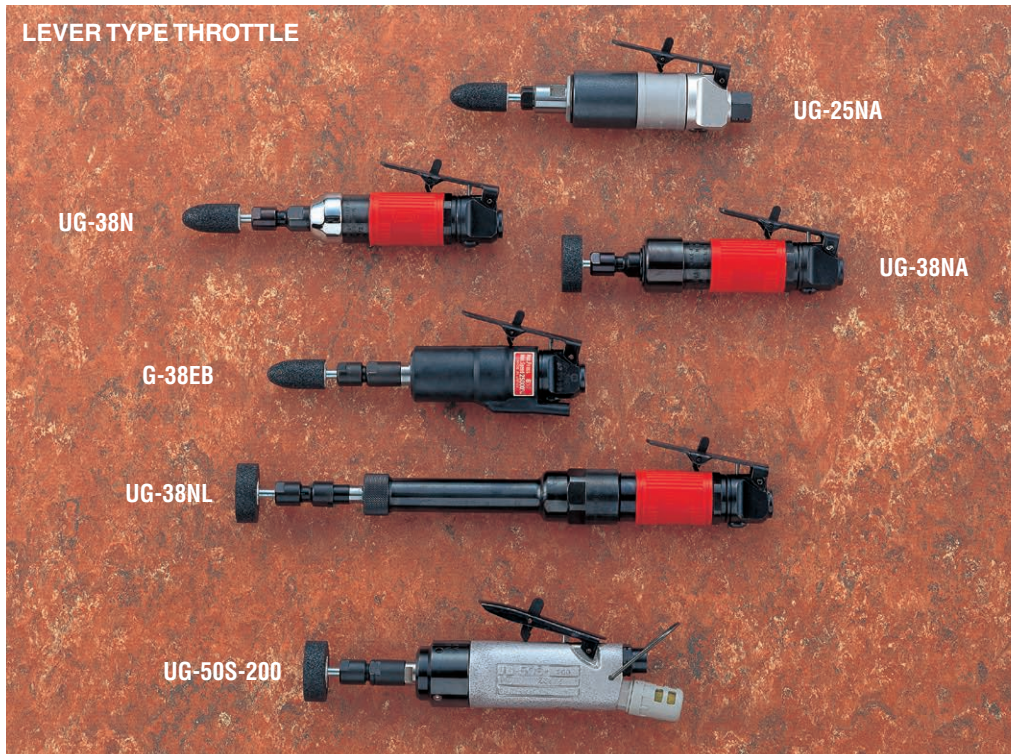


# DIE GRINDERS

URYU Die Grinders, ruggedly designed for mounted wheels and carbide burrs, are ideal for rapid metal removal or precise finishing such as weld cleaning, deburring, die contouring and repair, blending and smoothing.



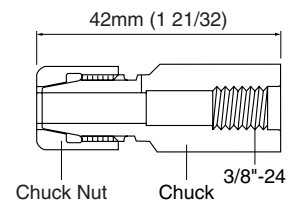
### Self-Locking Lever attachment

To prevent accidental start of motor.



### COLLET CHUCKS

G-38EB & UG-50S-200



- 923-534-0 3mm
- 923-535-0 6mm
- 923-536-0 1/4"

## SPECIFICATIONS

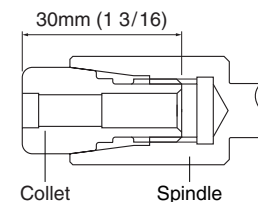
Recommended Air Pressure : 0.6MPa (85psi)

Model	Collet Chuck Size		Max.Free Speed (about)	Rated Horse Power	Overall Length (about)		Weight less wheel (about)		Air Inlet Thread (Pipe Tap)	Air Hose Size		Average Air Consumption	
	mm	in			rpm	w	mm	in		kg	lb	in	mm
UG-25NA	6	1/4	23500	210	153	6 1/32	0.53	1.17	NPT1/4	9.5	3/8	0.3	10.7
G-38EB	6	1/4	20000	315	165	6 1/2	0.65	1.43	NPT1/4	9.5	3/8	0.4	14.0
UG-38N	6	1/4	25000	315	164	6 15/32	0.57	1.25	NPT1/4	9.5	3/8	0.3	10.7
UG-38NA	6	1/4	22000	315	165	6 1/2	0.65	1.43	NPT1/4	9.5	3/8	0.4	14.0
UG-38NL	6	1/4	21000	315	317	12 31/64	0.92	2.02	NPT1/4	9.5	3/8	0.3	10.7
UG-50S-200	6	1/4	23000	195	198	7 51/64	0.60	1.32	NPT1/4	9.5	3/8	0.4	14.0



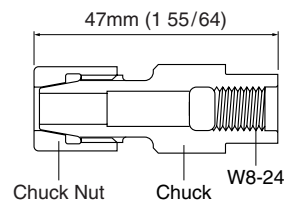
### COLLET CHUCKS

UG-25N & UG-50S-200A



- 923-001-0 3mm
- 923-003-0 6mm
- 923-005-0 1/8"
- 923-006-0 1/4"

UG-38N Series



- 923-510-0 3mm
- 923-512-0 6mm
- 923-515-0 1/8"
- 923-516-0 1/4"

## SPECIFICATIONS

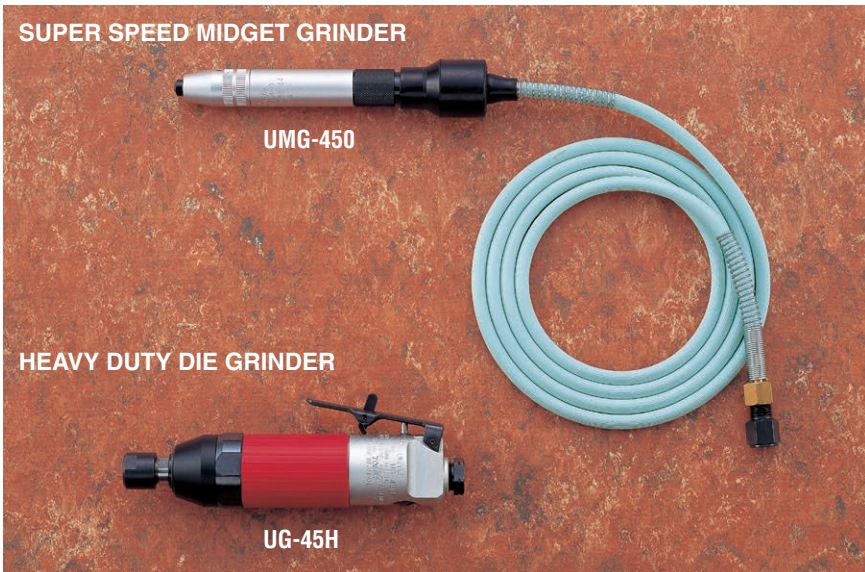
Recommended Air Pressure : 0.6MPa (85psi)

Model	Collet Chuck Size		Max.Free Speed (about)	Rated Horse Power	Overall Length (about)		Weight less wheel (about)		Air Inlet Thread (Pipe Tap)	Air Hose Size		Average Air Consumption	
	mm	in			rpm	w	mm	in		kg	lb	in	mm
UG-25NSA	6	1/4	23500	210	145	5 23/32	0.56	1.23	NPT1/4	9.5	3/8	0.3	10.7
UG-38NS	6	1/4	25000	315	174	6 27/32	0.60	1.32	NPT1/4	9.5	3/8	0.3	10.7
UG-38NSA	6	1/4	22000	315	174	6 27/32	0.65	1.43	NPT1/4	9.5	3/8	0.3	10.7
UG-38NSL	6	1/4	21000	315	330	12 63/64	0.95	2.09	NPT1/4	9.5	3/8	0.3	10.7



# DIE GRINDERS & MIDGET GRINDER

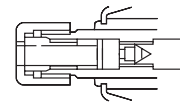
**UMG-450**, muffled by a rubber silencer to minimize sound level for operator's comfort, is a super speed model for precise grinding and polishing for die making.



Fasten the collet chuck firmly to avoid loosening of the cutting tool.

### COLLET CHUCKS

UG-45H



- 923-170-0 6mm
- 923-171-0 1/4"
- 923-172-0 8mm

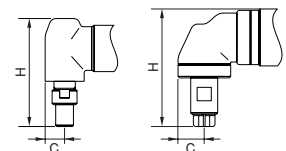
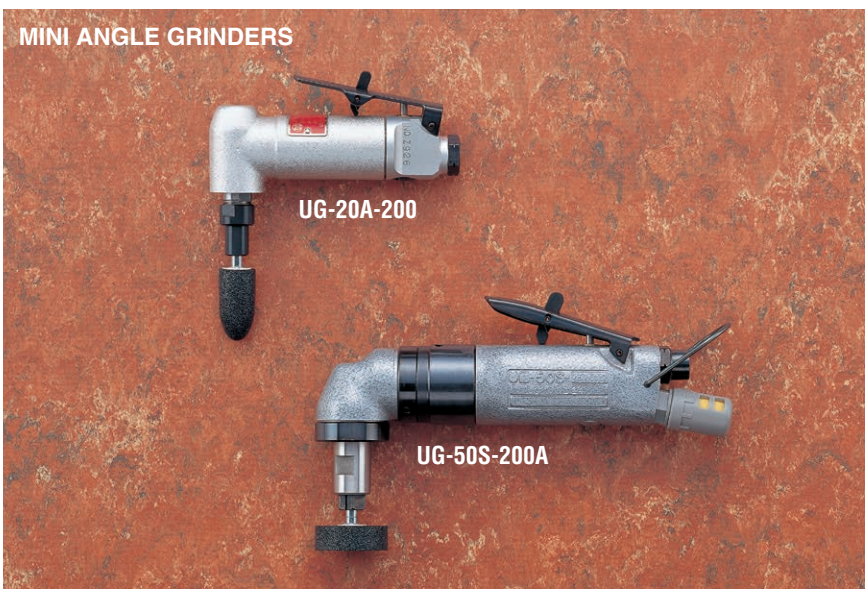
### SPECIFICATIONS

Recommended Air Pressure : 0.6MPa (85psi)

Model	Collet Chuck Size		Max.Free Speed (about) rpm	Rated Horse Power w	Overall Length (about)		Weight less wheel (about)		Air Inlet Thread (Pipe Tap) in	Air Hose Size		Average Air Consumption	
	mm	in			mm	in	kg	lb		mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min
UMG-450	3	No.5	45000	37	145	5 45/64	0.19	0.42	NPT1/4	4.8	3/16	0.2	7.0
UG-45H	6	1/4	18000	375	196	7 23/62	0.80	1.76	NPT1/4	9.5	3/8	0.6	22.0

# MINI ANGLE GRINDERS

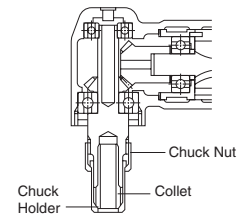
**UG-20A series** are specially designed for applications of hard-to-reach areas.



Model	C(about)	H(about)
UG-20A-200	14.5mm	80.0mm
UG-20A-120	14.5mm	80.0mm
UG-50S-200A	19.5mm	87.0mm

### ERICKSON Type COLLET CHUCKS

- UG-20A Series 923-207-0 6mm
- 923-201-0 1/4"



### SPECIFICATIONS

Recommended Air Pressure : 0.6MPa (85psi)

Model	Collet Chuck Size		Max.Free Speed (about) rpm	Rated Horse Power	Overall Length (about)		Weight less wheel (about)		Air Inlet Thread (Pipe Tap) in	Air Hose Size		Average Air Consumption	
	mm	in			mm	in	kg	lb		mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min
UG-20A-200	6	1/4	20000	113	131	5 3/16	0.50	1.10	NPT1/4	9.5	3/8	0.3	10.7
UG-20A-120	6	1/4	12000	113	131	5 3/16	0.50	1.10	NPT1/4	9.5	3/8	0.3	10.7
UG-50S-200A	6	1/4	20000	195	195	7 45/64	0.90	1.98	NPT1/4	9.5	3/8	0.4	14.0

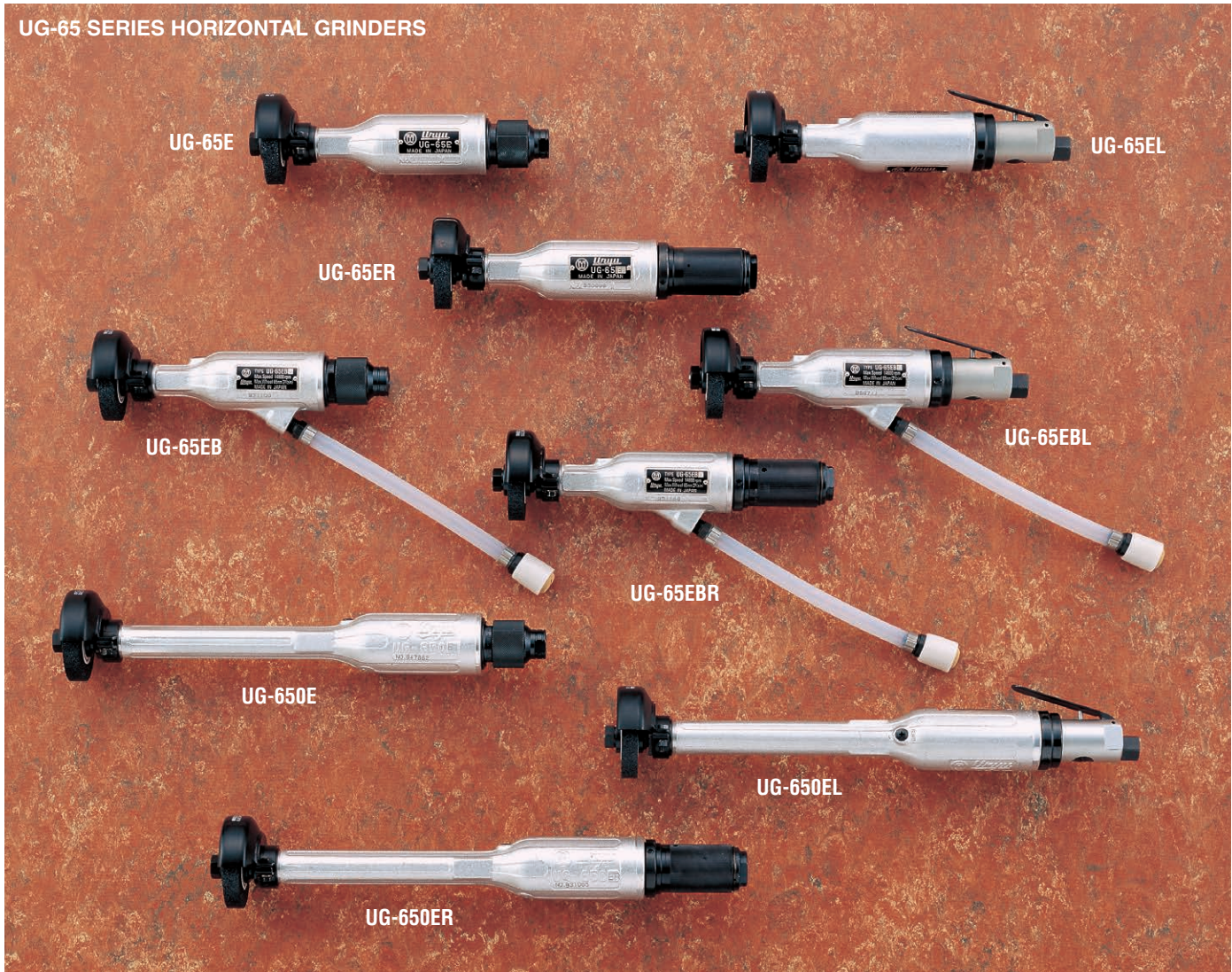


# HORIZONTAL GRINDERS

## LIGHT TYPE UG-65 SERIES (NON-GOVERNED)

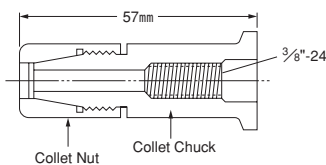
Available in 9 models with three different throttle handles, these lightweight and compact grinders are generally used in all metal working industries for every grinding and polishing job.

### UG-65 SERIES HORIZONTAL GRINDERS



Collet chucks of 6mm and 1/4" capacity are available as optional accessories for mandrel mounted abrasives, cutters and files.

	6mm	1/4"
UNF3/8-24	923-530-0	923-532-0
W3/8-16	923-523-0	923-526-0



## SPECIFICATIONS

Recommended Air Pressure : 0.6MPa (85psi)

Type	Model	Throttle Handle	Capacity (Wheel Size)		Max.Free Speed (about)	Rated Horse Power	Overall Length (about)		Weight less wheel (about)		Air Inlet Thread (Pipe Tap)	Air Hose Size		Average Air Consumption	
			mm	in			rpm	w	mm	in		kg	lb	in	mm
Standard	UG-65E	Sleeve	63.5	2 1/2	14600	412	242	9 27/32	1.25	2.75	NPT1/4	9.5	3/8	0.6	22
	UG-65ER	Self-closing	63.5	2 1/2	14600	412	271	10 43/64	1.50	3.30	NPT1/4	9.5	3/8	0.6	22
	UG-65EL	Lever	63.5	2 1/2	14600	412	272	10 23/32	1.40	3.08	NPT1/4	9.5	3/8	0.6	22
Rear Exhaust	UG-65EB	Sleeve	63.5	2 1/2	*14600	412	242	9 27/32	1.25	2.75	NPT1/4	9.5	3/8	0.6	22
	UG-65EBR	Self-closing	63.5	2 1/2	*14600	412	271	10 43/64	1.50	3.30	NPT1/4	9.5	3/8	0.6	22
	UG-65EBL	Lever	63.5	2 1/2	*14600	412	272	10 23/32	1.40	3.08	NPT1/4	9.5	3/8	0.6	22
Extended	UG-650E	Sleeve	63.5	2 1/2	14600	412	390	15 23/64	1.72	3.78	NPT1/4	9.5	3/8	0.6	22
	UG-650ER	Self-closing	63.5	2 1/2	14600	412	419	16 1/2	1.97	4.33	NPT1/4	9.5	3/8	0.6	22
	UG-650EL	Lever	63.5	2 1/2	14600	412	420	16 17/32	1.55	3.41	NPT1/4	9.5	3/8	0.6	22

\* Speed without silencer

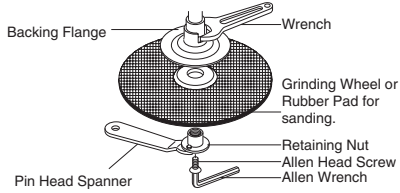


# ANGLE GRINDERS

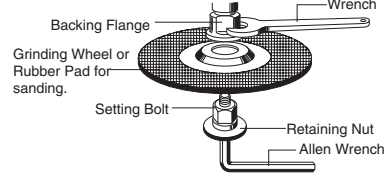
These handy angle grinders are ideally suited for close-quarter work with less operator fatigue.

The governed models are recommended for heavy-duty production grinding. Two (2) different types of wheel retainers except AG-50 series are available for customers' choice or practice.

**"OUT" type :**  
3/8"-24 Spindle with large FLANGE

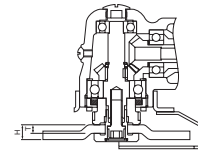


**"IN" type :**  
URYU special Spindle with small FLANGE



**WHEEL SIZE**

Model Name	Thickness	Height
AG-50 Series	3-5mm	9mm
AG-100 Series	4-6mm	10mm
USG-4S	4-6mm	10mm
USG-7S	6-8mm	13mm
USG-L180D	6-8mm	13mm



## ANGLE GRINDERS



ABRASIVE TOOLS

## SPECIFICATIONS

Recommended Air Pressure: 0.6MPa (85psi)

Model	Capacity (Wheel size)		Max.Free Speed (about)	Rated Horse Power	Overall Length (about)		Overall Height (about)		Weight less wheel (about)		Type of Spindle	Air Inlet Thread (Pipe Tap)	Air Hose Size		Average Air Consumption	
	mm	in			rpm	w	mm	in	mm	in			kg	lb	in	mm
AG-50(OUT)	50	2	15000	337	147	5 25/32	54	2 1/2	0.63	1.40	OUT	NPT1/4	9.5	3/8	0.45	16.0
AG-50L(OUT)	50	2	15000	337	140	5 34/64	54	2 1/2	0.63	1.40	OUT	NPT1/4	9.5	3/8	0.45	16.0
AG-100(IN)	100	4	13500	315	175	6 57/64	68	2 43/64	0.95	2.10	IN	NPT1/4	9.5	3/8	0.50	18.0
AG-100L(IN)	100	4	13500	315	179	7 3/64	68	2 43/64	1.05	2.30	IN	NPT1/4	9.5	3/8	0.50	18.0
AG-100(OUT)	100	4	13500	315	175	6 57/64	68	2 43/64	0.95	2.10	OUT	NPT1/4	9.5	3/8	0.50	18.0
AG-100L(OUT)	100	4	13500	315	179	7 3/64	68	2 43/64	1.05	2.30	OUT	NPT1/4	9.5	3/8	0.50	18.0
AG-100S(IN)	100	4	13500	315	175	6 57/64	68	2 43/64	1.00	2.20	IN	NPT1/4	9.5	3/8	0.50	18.0
AG-100SL(IN)	100	4	13500	315	179	7 3/64	68	2 43/64	1.10	2.40	IN	NPT1/4	9.5	3/8	0.50	18.0
AG-100S(OUT)	100	4	13500	315	179	7 3/64	68	2 43/64	1.00	2.20	OUT	NPT1/4	9.5	3/8	0.50	18.0
AG-100SL(OUT)	100	4	13500	315	179	7 3/64	68	2 43/64	1.10	2.40	OUT	NPT1/4	9.5	3/8	0.50	18.0
USG-4S	100	4	13500	450	236	9 19/64	94	3 45/64	1.65	3.60	IN	NPT1/4	9.5	3/8	0.60	22.0
USG-7S	180	7	7600	962	296	11 21/32	120	4 47/54	3.00	6.60	IN	NPT3/8	12.7	1/2	1.30	46.0
USG-L180D	180	7	7600	888	267	9 1/2	92	3 5/8	2.70	5.90	IN	NPT3/8	12.7	1/2	1.00	36.0



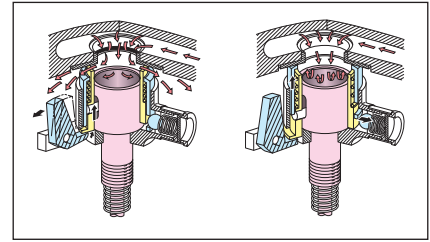
# VERTICAL GRINDERS

## 100mm(4") & 125mm(5") Type

USG series \* These gear-less vertical grinders of simple non-governed design offer powerful and trouble free operation.

## 180mm(7") & 230mm(9") Type

UVG series \* Non-friction speed control governor incorporated with over-speed sensing device. This special governor contributes to power compensation also especially when grinding resistance gets strong causing slow speed.  
 \* Three different speeds are available for UVG-1800.  
 \* UVG-2300 series is equipped with Dual and Consecutive action Speed Piston Valve for smooth valve opening.



### UVG SERIES

NON-FRICTION SPEED CONTROL GOVERNOR incorporated in OVERSPEED SENSING DEVICE

## VERTICAL GRINDERS



ABRASIVE TOOLS

## SPECIFICATIONS

Recommended Air Pressure: 0.6MPa (85psi)

Model	Capacity (Wheel size)		Max.Free Speed (about)	Rated Horse Power	Overall Length (about)		Overall Height (about)		Weight less wheel (about)		Type of Spindle	Air Inlet Thread (Pipe Tap)	Air Hose Size		Average Air Consumption	
	mm	in			rpm	w	mm	in	mm	in			kg	lb	in	mm
USG-4VL	100	4	12000	435	220	8 21/32	97	3 13/16	1.40	3.09	IN	NPT1/4	9.5	3/8	0.85	30.0
USG-5VLA	125	5	10500	375	220	8 21/32	97	3 13/16	1.48	3.26	IN	NPT1/4	9.5	3/8	0.85	30.0
UVG-1500SL-76	180	7	7600	1200	-	-	162	6 3/8	3.30	7.26	OUT	NPT3/8	12.7	1/2	1.40	49.0
UVG-1500SL-84	180	7	8400	1200	-	-	162	6 3/8	3.30	7.26	OUT	NPT3/8	12.7	1/2	1.40	49.0
UVG-1800SL-59	230	9	5900	1575	-	-	175	6 7/8	4.00	8.80	OUT	NPT3/8	12.7	1/2	1.90	67.0
UVG-1800SL-76	180	7	7600	1650	-	-	175	6 7/8	4.00	8.80	OUT	NPT3/8	12.7	1/2	2.00	70.0
UVG-1800SL-84	180	7	8400	1650	-	-	175	6 7/8	4.00	8.80	OUT	NPT3/8	12.7	1/2	2.00	70.0
UVG-2300SL-59	230	9	5900	2550	-	-	182	7 5/32	4.80	10.56	OUT	NPT1/2	19.0	3/4	2.50	80.0



# ANGLE GRINDERS

100mm-230mm(4"-9") Wheel Dia.

URYU offers UAG-series Angle Grinders of 100mm(4"), 125mm(5"), 180mm(7") and 230mm(9") capacity.

These governed lightweight and compact grinders deliver high power to weight ratio and feature :-

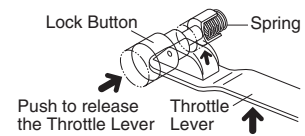
- Non-friction Speed Governor for most efficient grinding performance.
- Unique spring-loaded Exhaust Valve for noise-less trouble free operation.
- Vibration absorbent Dead Handle for less Operator fatigue.

## UAG SERIES ANGLE GRINDERS



### LOCK BUTTON

Push the spring-loaded Lock Button to release the Throttle Lever for operation. When released the Lever is locked automatically.

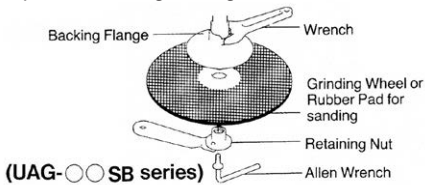


### ROLL TYPE THROTTLE HANDLE



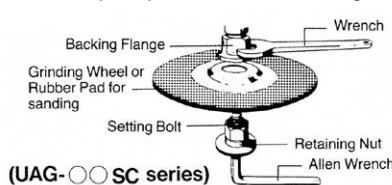
UAG-○○SB series  
UAG-○○SC series

### "B" type Spindle with large Flange



(UAG-○○SB series)

### "C" type URYU unique Spindle with small Flange



(UAG-○○SC series)

### Spring-loaded EXHAUST VALVE

This exhaust hole is kept closed off-operation but is opened upon triggering.

This unique exhaust valve features:

- Cutting exhaust noise especially when air is shut off.
- Preventing foreign matters inhalation into the tool.



## SPECIFICATIONS

Recommended Air Pressure: 0.6MPa (85psi)

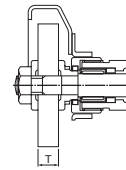
Model	Capacity (Wheel size)		Max.Free Speed (about)	Rated Horse Power	Overall Length (about)		Overall Height (about)		Weight less wheel (about)		Type of Spindle	Air Inlet Thread (Pipe Tap)	Air Hose Size		Average Air Consumption	
	mm	in			rpm	w	mm	in	mm	in			kg	lb	in	mm
UAG-40SB-136	100	4	13600	712	208	8 3/16	76	3	1.5	3.3	OUT	NPT1/4	9.5	3/8	0.95	34.0
UAG-40SBL-136	100	4	13600	712	246	9 11/16	76	3	1.3	2.9	OUT	NPT1/4	9.5	3/8	0.95	34.0
UAG-40SC-136	100	4	13600	712	208	8 3/16	76	3	1.5	3.3	IN	NPT1/4	9.5	3/8	0.95	34.0
UAG-40SCL-136	100	4	13600	712	246	9 11/16	76	3	1.3	2.9	IN	NPT1/4	9.5	3/8	0.95	34.0
UAG-50SBL-120	125	5	12000	712	246	9 11/16	76	3	1.4	3.1	OUT	NPT1/4	9.5	3/8	0.95	34.0
UAG-50SCL-120	125	5	12000	712	246	9 11/16	76	3	1.4	3.1	IN	NPT1/4	9.5	3/8	0.95	34.0
UAG-50SC-120	125	5	12000	712	208	8 3/16	76	3	1.6	3.5	IN	NPT1/4	9.5	3/8	0.95	34.0
UAG-50SB-109	125	5	10900	712	208	8 3/16	76	3	1.6	3.5	OUT	NPT1/4	9.5	3/8	0.95	34.0
UAG-50SBL-109	125	5	10900	712	246	9 11/16	76	3	1.4	3.1	OUT	NPT1/4	9.5	3/8	0.95	34.0
UAG-70SBL-76	180	7	7600	1500	300	11 13/16	98	3 55/64	2.9	6.4	OUT	NPT3/8	12.7	1/2	1.60	57.0
UAG-70SB-76	180	7	7600	1500	253	10	87	3 27/64	3.0	6.6	OUT	NPT3/8	12.7	1/2	1.60	57.0
UAG-70SC-76	180	7	7600	1500	253	10	87	3 27/64	3.0	6.6	IN	NPT3/8	12.7	1/2	1.60	57.0
UAG-70SCL-76	180	7	7600	1500	300	11 13/16	87	3 27/64	2.8	6.2	IN	NPT3/8	12.7	1/2	1.60	57.0
UAG-90SBL-59	230	9	5900	1875	308	12 1/8	98	3 55/64	3.3	7.3	OUT	NPT3/8	12.7	1/2	1.90	67.0



# HORIZONTAL GRINDERS

Heavy-Duty Type (Governed)

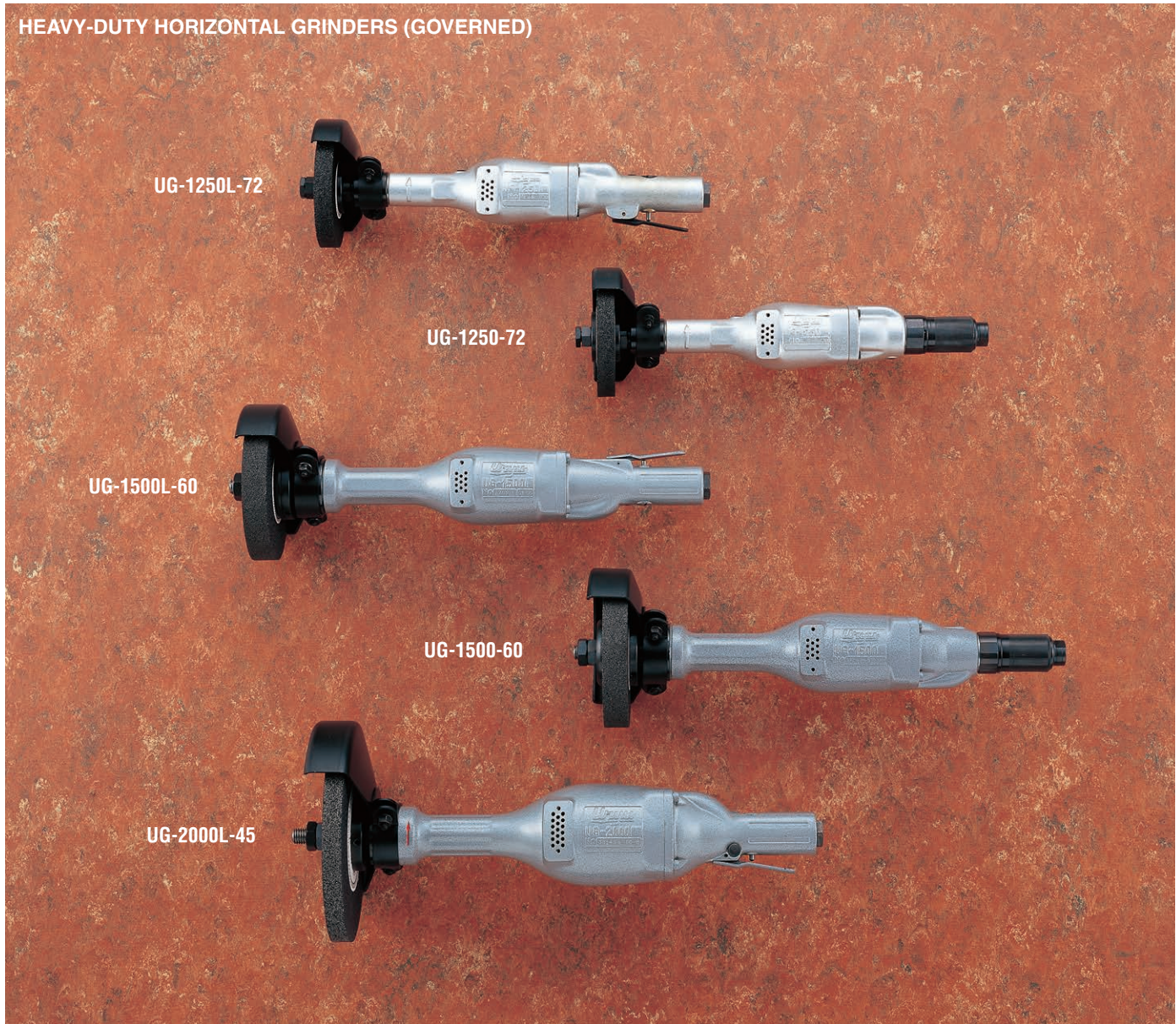
- Two speeds are available for UG-1500 and UG-2000 series.  
(Higher speed for resinoid wheels and lower speed for vitrified wheels)
- Two different Throttle Handles are available for every model.
- Lever Type Handles are recommended for safer operation.



**WHEEL SIZE**

Model Name	Thickness
UG-1200 Series	13-19mm
UG-1500 Series	18-25mm
UG-2000 Series	19-25mm

**HEAVY-DUTY HORIZONTAL GRINDERS (GOVERNED)**



**SPECIFICATIONS**

Recommended Air Pressure: 0.6MPa (85psi)

Model	Capacity (Wheel Size)		Max.Free Speed (about)	Rated Horse Power	Overall Length (about)		Weight less wheel (about)		Spindle Size	Air Inlet Thread (Pipe Tap)	Air Hose Size		Average Air Consumption	
	mm	in	rpm	w	mm	in	kg	lb	in	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min
UG-1250-72	125	5	7200	750	436	17 11/64	3.20	7.04	1/2-13	NPT3/8	12.7	1/2	0.90	32.7
UG-1250L-72	125	5	7200	750	436	17 11/64	2.80	6.16	1/2-13	NPT3/8	12.7	1/2	0.90	32.7
UG-1500-60	150	6	6000	1320	497	19 9/16	4.88	10.74	5/8-11	NPT3/8	12.7	1/2	1.30	45.9
UG-1500-41	150	6	4100	975	497	19 9/16	4.88	10.74	5/8-11	NPT3/8	12.7	1/2	1.30	45.9
UG-1500L-60	150	6	6000	1320	495	19 31/64	4.62	10.16	5/8-11	NPT3/8	12.7	1/2	1.30	45.9
UG-1500L-41	150	6	4100	975	495	19 31/64	4.62	10.16	5/8-11	NPT3/8	12.7	1/2	1.30	45.9
UG-2000L-45	200	8	4500	1500	520	20 15/32	5.30	10.16	5/8-11	NPT3/8	12.7	1/2	1.55	54.7
UG-2000L-31	200	8	3100	1260	520	20 15/32	5.30	11.62	5/8-11	NPT3/8	12.7	1/2	1.55	54.7

\* Do not use vitrified wheels with higher speed type of each model.