

BOLT & NUT SETTERS

# RATCHET WRENCHES



URW-8



URW-6



URW-12N



URW-8N



URW-12NB

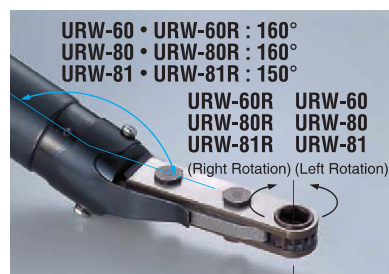


URW-10N

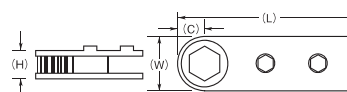
## FEATURES

Most suitable for fastening in narrow application. Bent head type, Thinner head type and Extended head type are also available for hard-to-reach access fastening jobs.

Reverse rotation is obtained by simply turning a tool over.



Head Sizes



Model	H		W		L		C	
	mm	in	mm	in	mm	in	mm	in
URW-6,60,60R	13.0	33/64	20.0	25/32	88.0	3 15/32	10.0	25/64
URW-8,8N,9N,80,80R,81,81R	18.0	45/64	25.0	63/64	102.5	4 1/32	12.5	31/64
URW-10N	18.0	45/64	33.0	1 19/64	106.5	4 3/16	16.5	21/32
URW-12N	18.0	45/64	36.0	1 27/64	109.5	4 5/16	18.0	45/64
URW-12NA	18.0	45/64	46.0	1 13/16	120.5	4 3/4	23.0	29/32
URW-12NB	18.0	45/64	54.0	2 1/8	128.5	5 1/16	27.0	1 1/16

## SPECIFICATIONS

Recommended Air Pressure : 0.4MPa (57psi)

Model	Capacity (Nominal Bolt Size)		Max. Torque		Free Speed (about)	Overall Length (about)		Weight (about)		Hex. Size of Ratchet		Average Air Consumption		Code
	mm	in	Nm	ft-lbs		mm	in	kg	lb	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min	
URW-6	6	1/4	11	8.1	210	292	11 1/2	1.15	2.53	6, 7, 8, ⑩, 11, 12	1/4, 5/16, 3/8, 7/16	0.28	9.9	20052
URW-60	6	1/4	11	8.1	210	288	11 11/32	1.15	2.53	6, 7, 8, ⑩, 11, 12	1/4, 5/16, 3/8, 7/16	0.28	9.9	20082
URW-60R	6	1/4	11	8.1	210	288	11 11/32	1.15	2.53	6, 7, 8, ⑩, 11, 12	1/4, 5/16, 3/8, 7/16	0.28	9.9	20092
URW-8N	8	5/16	16	11.8	260	300	11 13/16	2.25	4.95	7, 8, 9, 10, 11, 12, 13, ⑭, 15	7/16, 1/2, 9/16	0.55	19.5	21212
URW-80	8	5/16	16	11.8	240	300	11 13/16	2.25	4.95	7, 8, 9, 10, 11, 12, 13, ⑭, 15	7/16, 1/2, 9/16	0.55	19.5	22912
URW-80R	8	5/16	16	11.8	240	300	11 13/16	2.25	4.95	7, 8, 9, 10, 11, 12, 13, ⑭, 15	7/16, 1/2, 9/16	0.55	19.5	22962
URW-81	8	5/16	16	11.8	240	300	11 13/16	2.25	4.95	7, 8, 9, 10, 11, 12, 13, ⑭, 15	7/16, 1/2, 9/16	0.55	19.5	23112
URW-81R	8	5/16	16	11.8	240	300	11 13/16	2.25	4.95	7, 8, 9, 10, 11, 12, 13, ⑭, 15	7/16, 1/2, 9/16	0.55	19.5	23162
URW-8	8	5/16	16	11.8	240	360	14 3/16	1.90	4.18	7, 8, 9, 10, 11, 12, 13, ⑭, 15	7/16, 1/2, 9/16	0.56	19.8	20152
URW-9N	10	3/8	31	22.9	140	380	15	2.35	5.17	7, 8, 9, 10, 11, 12, 13, ⑭, 15	7/16, 1/2, 9/16	0.67	23.7	22742
URW-10N	10	3/8	57	42.2	155	394	15 33/64	2.65	5.83	10, 12, 13, 14, 15, 16, ⑰, 18, 19	9/16, 5/8, 11/16, 3/4	0.70	25.0	21412
URW-12N	13	1/2	59	43.7	145	397	15 5/8	2.70	5.94	12, 14, 16, 17, 18, 19, ⑳, 21, 22, 23	3/8, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16	0.70	25.0	21512
URW-12NA	14	9/16	78	57.7	105	408	16 1/16	2.80	6.16	17, 18, 19, 21, 22, 23, ㉑, 26, 27	11/16, 3/4, 15/16	0.70	25.0	21612
URW-12NB	16	5/8	93	68.8	90	416	16 19/64	2.90	6.38	24, 29, ㉓, 32	5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8	0.70	25.0	21812

Air Inlet Thread (Pipe Tap) : NPT1/4"

Air Hose Size (Inside Diameter) : 9.5mm (3/8")

Code mentioned in the above list comes with the standard Hex size of ratchet circled ○. Specify Hex. size when ordering.

Max Torque is a guideline at 0.6MPa.

BOLT & NUT SETTERS

# OPEN-END WRENCHES / GEARED WRENCHES



UOW-11-14



UOW-11-10



UOW-11-22



UOW-11-30



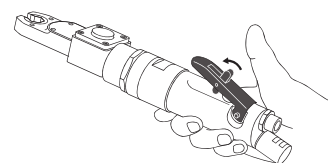
UOW-T60-22



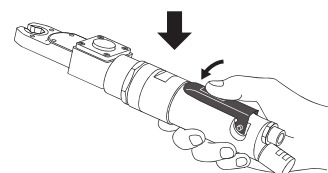
UGW-8N

### Safety Start Lever

Safety Start Lever is installed as standard equipment for UOW series to prevent accidental start of tool.



Push down the self-locking lever to operate tool as above.



## FEATURES

### (OPEN-END WRENCHES)

URYU offers two types of Open-End Wrenches for fast, accurate tube nut tightening. **UOW-11 series** is a stall torque type and **UOW-T60 series** is a mechanical shut-off type with external torque adjustment.

### (GEARED WRENCHES)

Gear drive mechanism amplifies and transmits the motor rotation power. **UGW** Geared Wrench offers quiet operation with good durability.

### EXTERNAL DIAL

Torque adjustment. (No special tool is needed)



1 : Min.  
3 : Max.

UOW-T60 series only.

Head Sizes	Model	H		W		O		C	
		mm	in	mm	in	mm	in	mm	in
	UOW-11-10,UOW-T60-10	14.0	35/64	37.0	1 29/64	5.0~6.0	13/64~15/64	10.0	25/64
	UOW-11-14,UOW-T60-14	14.0	35/64	40.0	1 37/64	6.0~9.0	15/64~23/64	13.0	33/64
	UOW-11-22,UOW-T60-22	16.0	5/8	56.0	2 13/64	13.0~15.0	33/64~19/32	17.0	43/64
	UOW-11-30,UOW-T60-30	16.0	5/8	68.0	2 43/64	15.0~23.0	19/32~29/32	21.0	53/64
	UGW-6N	14.0	35/64	32.0	1 17/64	-	-	12.9	33/64
	UGW-8N	14.0	35/64	36.0	1 27/64	-	-	15.8	39/64

## SPECIFICATIONS

Recommended Air Pressure : 0.6MPa (85psi)

Model	Max. Torque / Range		Free Speed (about)	Overall Length (about)		Weight (about)		Hex. Size of Gear Socket		Average Air Consumption		Code	
	Nm	ft-lbs		rpm	mm	in	kg	lb	Hex. Size of Gear Socket		m <sup>3</sup> /min		ft <sup>3</sup> /min
									mm	in			
UOW-11-10	13	9.6	390	295	11 47/64	1.50	3.31	7, 8, 9, ⑩, 11, 12		0.30	10.5	23502	
UOW-11-14	16	11.8	290	311	12 1/4	1.60	3.52	10, 11, 12, 13, ⑭, 15, 16, 17		0.30	10.5	23542	
UOW-11-22	24	17.8	220	326	12 53/64	1.75	3.85	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, ⑳, 24		0.30	10.5	23602	
UOW-11-30	32	23.7	160	347	13 21/32	2.00	4.40	14, 17, 18, 19, 23, 24, 26, 27, 29, ⑳, 32		0.30	10.5	23662	
UOW-T60-10	4-14	3.0-10.4	300	370	14 5/8	2.10	4.62	7, 8, 9, ⑩, 11, 12		0.30	10.5	24202	
UOW-T60-14	5-17	3.7-12.6	240	385	15 1/8	2.20	4.85	10, 11, 12, 13, ⑭, 15, 16, 17		0.30	10.5	24222	
UOW-T60-22	7-24	5.2-17.8	170	400	15 3/4	2.35	5.18	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, ⑳, 24		0.30	10.5	24242	
UOW-T60-30	10-32	7.4-23.7	130	420	16 5/8	2.60	5.73	14, 17, 18, 19, 23, 24, 26, 27, 29, ⑳, 32		0.30	10.5	24262	
UGW-6N	18	13.3	530	310	12 13/64	1.40	3.08	9, ⑩, 11, 12		0.30	10.5	24602	
UGW-8N	23	17.0	410	322	12 11/16	1.45	3.19	10, 12, 13, ⑭, 17		0.30	10.5	24652	

Air Inlet Thread (Pipe Tap) : NPT1/4" Air Hose Size (Inside Diameter) : 9.5mm (3/8")

Code mentioned in the above list comes with the standard Hex size of gear socket circled ○. Specify Hex. size when ordering.

**BOLT & NUT SETTERS**

# ANGLE NUTRUNNERS

**Instant automatic shut-off providing reduced reaction.  
Low inertia design providing increased accuracy.**



**UAN-611RM TORQUE MONITORING TYPE**



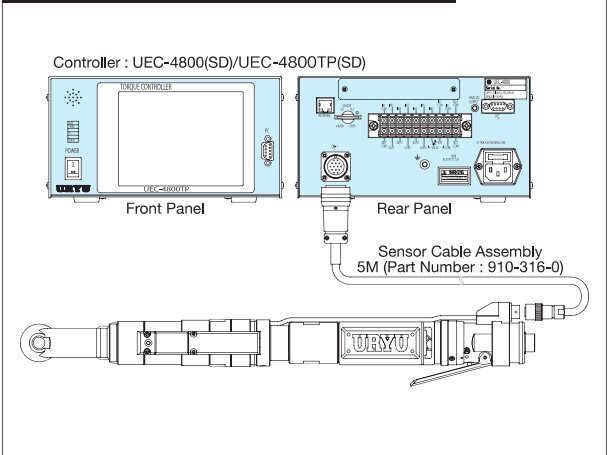
**UAN-611R-30C**

**FEATURES**

- Simple and accurate method to adjust torque output by Phillips Driver permitting quick setup.
- Designed with a spline type interface allowing multiple head positions for the most comfortable throttle location on those hard to reach applications.
- The pneumatic motor is designed to offer high power performance by reducing motor inertia to the minimum level.
- Ergonomically designed Protector offers firm gripping for ergonomic fastening.

Head Sizes	Model	C		H	
		mm	in	mm	in
	UAN-611R-60C, UAN-611RM-60C	14.0	35/64	47.0	1 27/32
	UAN-611R-50C, UAN-611RM-50C	14.0	35/64	47.0	1 27/32
	UAN-611R-40C, UAN-611RM-40C	14.0	35/64	47.0	1 27/32
	UAN-611R-30C, UAN-611RM-30C	14.0	35/64	47.0	1 27/32
	UAN-701R-60C, UAN-701RM-60C	14.0	35/64	47.0	1 27/32
	UAN-701R-40C, UAN-701RM-40C	18.0	45/64	51.0	2 1/64
	UAN-701R-30C, UAN-701RM-30C	18.0	45/64	58.0	2 9/32

**System Layout For Torque Monitoring Type**



**SPECIFICATIONS**

Recommended Air Pressure : 0.6MPa (85psi)

Model	Bolt Capacity		Torque Range		Free Speed (about)	Overall Length less Socket (about)		Weight less Socket (about)		From Center to Outside (about)		Angle Height (about)		Square Drive Shank		Average Air Consumption		Code
	mm	in	Nm	ft-lbs		mm	in	kg	lb	mm	in	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min	
UAN-611RM-60C	6	1/4	6.5-12.0	4.3-8.6	620	419	16 1/2	2.0	4.4	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2	26852
UAN-611RM-50C	6-8	1/4-5/16	8.5-15.0	5.7-10.8	470	409	16 7/64	2.0	4.4	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2	26842
UAN-611RM-40C	6-8	1/4-5/16	10.0-18.0	7.2-12.9	400	409	16 7/64	2.0	4.4	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2	26832
UAN-611RM-30C	8	5/16	13.0-25.0	9.3-18.0	270	409	16 7/64	2.0	4.4	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2	26822
UAN-701RM-60C	8	5/16	20.0-31.0	14.5-23.1	600	480	18 57/64	2.7	5.94	14.0	35/64	47	1 55/64	9.5	3/8	0.9	31.8	27032
UAN-701RM-40C	8-10	5/16-3/8	28.0-45.0	21.0-33.3	400	492	19 3/8	2.9	6.38	18.0	45/64	51	2	9.5	3/8	0.9	31.8	27022
UAN-701RM-30C	10-12	3/8-1/2	37.0-60.0	27.5-44.1	300	492	19 3/8	2.9	6.38	18.0	45/64	58	2 9/32	12.7	1/2	0.9	31.8	27012

Air Inlet Thread (Pipe Tap) : NPT1/4" Air Hose Size (Inside Diameter) : 9.5mm (3/8")  
\*Torque Range is a guideline value. Please make tool selection appropriately in accordance with an actual application.

**SPECIFICATIONS**

Recommended Air Pressure : 0.6MPa (85psi)

Model	Bolt Capacity		Torque Range		Free Speed (about)	Overall Length (about)		Weight less Socket (about)		From Center to Outside (about)		Angle Height (about)		Square Drive Shank		Average Air Consumption		Code
	mm	in	Nm	ft-lbs		mm	in	kg	lb	mm	in	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min	
UAN-611R-60C	6	1/4	6.5-12.0	4.3-8.6	620	383	15 5/64	1.6	3.52	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2	26892
UAN-611R-50C	6-8	1/4-5/16	8.5-15.0	5.7-10.8	470	373	14 11/16	1.6	3.52	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2	26882
UAN-611R-40C	6-8	1/4-5/16	10.0-18.0	7.2-12.9	400	373	14 11/16	1.6	3.52	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2	26872
UAN-611R-30C	8	5/16	13.0-25.0	9.3-18.0	270	373	14 11/16	1.6	3.52	14.0	35/64	47	1 55/64	9.5	3/8	0.6	21.2	26862
UAN-701R-60C	8	5/16	20.0-31.0	14.5-23.1	600	445	17 33/64	2.4	5.29	14.0	35/64	47	1 55/64	9.5	3/8	0.9	31.8	26972
UAN-701R-40C	8-10	5/16-3/8	28.0-45.0	21.0-33.3	400	455	17 29/32	2.4	5.29	18.0	45/64	51	2	9.5	3/8	0.9	31.8	26962
UAN-701R-30C	10-12	3/8-1/2	37.0-60.0	27.5-44.1	300	455	17 29/32	2.4	5.29	18.0	45/64	58	2 9/32	12.7	1/2	0.9	31.8	26952

Air Inlet Thread (Pipe Tap) : NPT1/4" Air Hose Size (Inside Diameter) : 9.5mm (3/8") Fastening count is available with UTM-1500, as an option.  
\*Torque Range is a guideline value. Please make tool selection appropriately in accordance with an actual application.