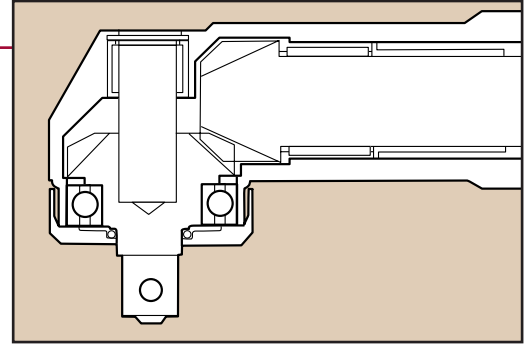


UAN SERIES ANGLE NUTRUNNERS

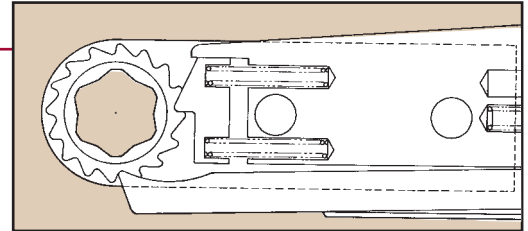
- Torque Control
- Electronically Monitored or Controlled Type

Designed for fastening in tight quarters or applications not served well by a pulse tool. The UAN Series transfers torque through beveled angle gears, continuously driving the fastener. When the resistance to rotation overcomes the spring resistance on the clutch, the tool will disengage at the adjusted torque value. Low reaction force characteristics on hard joints make it comfortable for the operator to use. Ideal for applications ranging from 6-60 Nm (4 – 44 ft-lbs).



URW SERIES IN-LINE RATCHET WRENCHES

Designed to set flush over the fastener head, the URW Series is ideal for narrow fastening spaces. Motor torque is transferred from a gear-driven, dual lobed cam that pushes a spring loaded push rod, rotating the socket one tooth at a time. A wide variety of socket sizes, head thicknesses and tool lengths allow the URW Series access to many difficult applications.

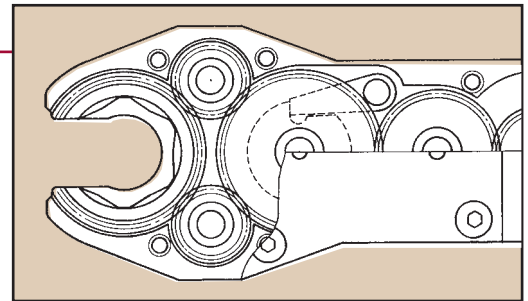


UOW SERIES OPEN-END NUTRUNNERS

Designed for tubenut fastening, the UOW Series can transfer torque through a variety of options.

- Stall Type — Depending on the application requirements, the standard UOW Series will stall when torque resistance matches power output.
- Mechanical Shut-off Type — For greater torque accuracy and less reaction impulse to the operator, the UOW-T Series incorporates a mechanical clutch to shut off the tool at the preset torque.
- Electronically Monitored Type — For critical torque applications requiring monitoring or controlling of the fastening torque, the UOW-M Series utilizes a transducer to signal the clutch shut-off.

UOW series incorporates a one-hand, two-step throttle, which automatically reverses the socket to a preset open position.



NUTRUNNERS: ANGLE



Torque Control UAN Series

Recommended Air Pressure: 85 psi

MODEL	TORQUE RANGE		FREE SPEED rpm	OVERALL LENGTH		ANGLE HEAD HEIGHT		FROM CENTER TO OUTSIDE		WEIGHT LESS SOCKET		SQUARE DRIVE in	NOISE LEVEL dB(A)	AIR USAGE cfm
	Nm	ft-lb		mm	in	mm	in	mm	in	kg	lb			
UAN-611R-60C	6.5 - 12.0	4.3 - 8.6	620	383	15.1	47.0	1.9	14.0	0.6	1.6	3.5	3/8	80	21.1
UAN-611R-50C	8.5 - 15.0	5.7 - 10.8	470	373	14.7	47.0	1.9	14.0	0.6	1.6	3.5	3/8	80	21.1
UAN-611R-40C	10.0 - 18.0	7.2 - 12.9	400	373	14.7	47.0	1.9	14.0	0.6	1.6	3.5	3/8	80	21.1
UAN-611R-30C	13.0 - 25.0	9.3 - 18.0	270	373	14.7	47.0	1.9	14.0	0.6	1.6	3.5	3/8	80	21.1
UAN-701R-60C	20.0 - 31.0	14.8 - 22.8	600	445	17.5	47.0	1.9	14.0	0.6	2.4	5.3	3/8	85	31.6
UAN-701R-40C	28.0 - 45.0	20.7 - 33.2	400	455	17.9	51.0	2.0	18.0	0.7	2.4	5.3	3/8	85	31.6
UAN-701R-30C	37.0 - 60.0	27.3 - 44.2	300	455	17.9	60.5	2.4	18.0	0.7	2.4	5.3	1/2	85	31.6

Air Hose Size: 3/8" I.D.

Air Inlet: N.P.T. 1/4"



See also: **AIR PREPARATION UNITS**
on page 104

NUTRUNNERS: OPEN-END TUBENUT WRENCHES



UOW-11-14
UOW-11-22

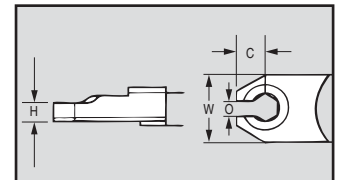
UOW/UOW-T Series

Recommended Air Pressure: 85 psi

MODEL	MAX TORQUE / RANGE		FREE SPEED rpm	OVERALL LENGTH		WEIGHT		MIN/MAX HEX SOCKET SIZE		NOISE LEVEL dB(A)	AIR USAGE cfm
	Nm	ft-lb		mm	in	lb	kg	mm	in		
STALL											
UOW-11-10	12.7	9.4	400	295	11.7	3.1	1.4	7 - 12	1/4 - 7/16	75	12.5
UOW-11-14	15.7	11.6	260	311	12.2	4.0	1.8	10 - 17	3/8 - 5/8	75	12.5
UOW-11-22	23.5	17.4	180	326	12.8	4.0	1.8	13 - 24	1/2 - 7/8	75	12.5
UOW-11-30	31.4	23.1	135	347	13.6	5.5	2.5	17 - 32	5/8 - 1-3/16	75	12.5
SHUT-OFF CLUTCH											
UOW-T60-10	3.9 - 12.7	2.9 - 9.4	300	370	14.6	4.0	1.8	7 - 12	1/4 - 7/16	75	18.0
UOW-T60-14	4.9 - 16.7	3.6 - 12.3	230	385	15.1	4.8	2.2	10 - 17	3/8 - 5/8	75	18.0
UOW-T60-22	6.9 - 23.5	5.1 - 17.4	170	400	15.7	4.8	2.2	13 - 24	1/2 - 7/8	75	18.0
UOW-T60-30	9.8 - 31.4	7.2 - 23.1	130	422	16.6	6.4	2.9	17 - 32	5/8 - 1-3/16	75	18.0

Dimensions

MODEL		H		W		O		C	
		mm	in	mm	in	mm	in	mm	in
UOW-11-10	UOW-T60-10	14	0.5	37	1.5	6	0.2	10	0.4
UOW-11-14	UOW-T60-14	14	0.5	40	1.6	8	0.3	13	0.4
UOW-11-22	UOW-T60-22	16	0.6	56	2.2	15	0.6	17	0.7
UOW-11-30	UOW-T60-30	16	0.6	68	2.7	23	0.9	21	0.8



Custom heads can be built for the following specifications:

Recommended Air Pressure: 85 psi

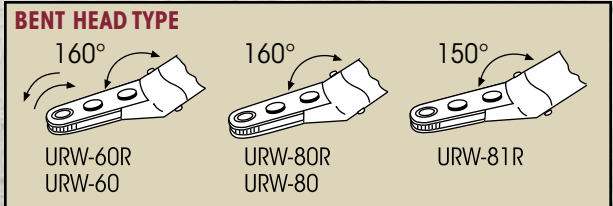


MODEL	HIGH SPEED/RECOMMENDED MAX TORQUE	STANDARD SPEED/RECOMMENDED MAX TORQUE	LOW SPEED/RECOMMENDED MAX TORQUE
UOW-T60-10	520 rpm / 4.8 ft-lbs	300 rpm / 9.4 ft-lbs	170 rpm / 16.8 ft-lbs
UOW-T60-14	390 rpm / 6.8 ft-lbs	230 rpm / 12.3 ft-lbs	130 rpm / 22.1 ft-lbs
UOW-T60-22	290 rpm / 8.5 ft-lbs	170 rpm / 17.4 ft-lbs	95 rpm / 31.3 ft-lbs
UOW-T60-30	210 rpm / 13.4 ft-lbs	130 rpm / 23.1 ft-lbs	70 rpm / 42.4 ft-lbs

For complete socket selection and custom sockets please contact AIMCO. Specify hex size of gear socket when ordering.
Air Hose Size: 3/8" I.D. Air Inlet: N.P.T. 1/4"

NUTRUNNERS: RATCHET WRENCHES

URW-8N
(with body jacket)



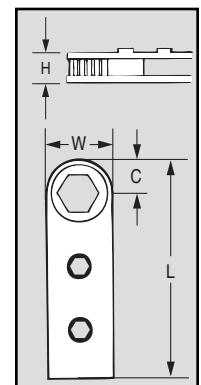
URW Series

Recommended Air Pressure: 85 psi

MODEL	MAX TORQUE		FREE SPEED	OVERALL LENGTH		WEIGHT		MIN/MAX HEX SOCKET SIZE		AIR USAGE
	Nm	ft-lb	rpm	mm	in	lb	kg	mm	in	cfm
STRAIGHT HEAD										
URW-6	10.8	7.9	200	292	11.5	2.5	1.1	5.5 - 12	1/4 - 7/16	9.9
URW-8N	15.7	11.6	220	300	11.8	4.0	1.8	6 - 15	1/4 - 9/16	19.5
URW-8	13.7	10.1	240	360	14.2	4.0	1.8	6 - 15	1/4 - 9/16	19.5
URW-9N	31.4	23.1	200	380	15.0	5.0	2.3	6 - 15	1/4 - 9/16	23.7
URW-10N	56.8	41.9	150	394	15.5	5.8	2.6	10 - 19	3/8 - 3/4	25.0
URW-10N-1	56.8	42.0	150	417	16.4	5.7	2.5	10 - 15	3/8 - 9/16	29.0
URW-12N	58.8	43.4	150	397	15.6	5.9	2.7	12 - 22	5/16 - 7/8	25.0
URW-12NA	78.4	57.8	100	408	16.1	6.6	3.0	16 - 30	7/16 - 1	25.0
URW-12NB	93.1	68.7	85	416	16.3	7.0	3.2	14 - 33	1/2 - 1-15/16	25.0
BENT HEAD										
URW-60R	10.8	7.9	200	288	11.3	2.5	1.1	5.5 - 12	1/4 - 7/16	9.9
URW-60	10.8	7.9	200	288	11.3	2.5	1.1	5.5 - 12	1/4 - 7/16	9.9
URW-80R	15.7	11.6	220	300	11.9	4.0	1.8	6 - 15	1/4 - 9/16	19.5
URW-80	15.7	11.6	220	300	11.9	4.0	1.8	6 - 15	1/4 - 9/16	19.5
URW-81R	15.7	11.6	220	300	11.9	4.0	1.8	6 - 15	1/4 - 9/16	19.5

Dimensions

MODEL	H mm	L mm	C mm	W mm	MODEL	H mm	L mm	C mm	W mm
URW-6	13	88.0	10.0	20	URW-12N	18	109.5	18.0	36
URW-6 THIN (Thin type)	9	88.0	10.0	20	URW-12N THIN (Thin type)	14	109.5	18.0	36
URW-6L (Extended type)	13	120.0	10.0	20	URW-12NA	18	120.5	23.0	46
URW-8(8N)(9N)	18	102.5	12.5	25	URW-12NA THIN (Thin type)	14	120.5	23.0	46
URW-8(8N)(9N)THIN (Thin type)	10	102.5	12.5	25	URW-12NB	18	128.5	27.0	54
URW-8(8N)(9N)L (Extended type)	18	168.5	12.5	25	URW-60(R)	13	88.0	10.0	20
URW-10N	18	106.5	16.5	33	URW-60(R)THIN (Thin type)	9.5	88.0	10.0	20
URW-10N THIN (Thin type)	13	106.5	16.5	33	URW-80(R)8(R)	13	102.5	12.5	25
URW-10N L (Extended type)	18	114.0	16.5	33	URW-80(R)THIN (Thin type)	10	102.5	12.5	25



Note: Optional Rubber Jacket Available (URW-843-1A)
Air Hose Size: 3/8" I.D. Air Inlet: N.P.T. 1/4"

For complete socket selection and custom sockets contact AIMCO
Specify hex size of gear socket when ordering.