

## 19 Series - Angle Nutrunner - Clutch Shut-Off - Lever Start - Collar Reverse

Durable Clecomatic Clutch delivers best-in-class torque repeatability and long calibration cycle

- Durable Clecomatic Clutch delivers best-in-class torque repeatability and long calibration cycle
- Lightweight, ergonomic and durable handle designed with operator in mind
- Engineered to suit a wide range of applications, from fast-paced assembly to aerospace
- Grip material tested to withstand a range of industrial chemicals



### Model Number Example

24	R	A	A	23	A	M	3
Series 19 24 34	Rotation R-Reversible	Tool Style A - Right Angle	Torque Control A - Clecomatic S - Stall	Maximum Torque Nm (Rounded to the nearest Nm)			Square Drive 2 - 1/4" (AL only) 3 - 3/8" 4 - 1/2" (AZ only) Angle Head Size L - Light Duty M - Medium Duty H - Heavy Duty X - Extra Heavy Duty Z - Super Heavy Duty Tool Termination A Angle head

MODEL	TORQUE RANGE				FREE SPEED	LENGTH	WEIGHT		SIDE TO CENTER	OUTPUT DRIVE	AIR CONSUMPTION	AIR INLET SIZE
	MIN NM	MAX NM	MIN FT LB	MAX FT LB	R/MIN	IN	LB	KG	IN		SCFM	IN
19RAA02AM2	0.5	2.1	0.3	1.5	2400	11.9	1.70	0.77	0.360	1/4 SQUARE DRIVE	11	1/8
19RAA02AH2	0.5	2.4	0.3	1.7	2100	12.5	1.81	0.82	0.50	1/4 SQUARE DRIVE	11	1/8
19RAA02AH3	0.5	2.4	0.3	1.7	2100	12.5	1.81	0.82	0.50	3/8 SQUARE DRIVE	11	1/8
19RAA03AM2	0.6	3.1	0.4	2.2	1650	12.2	1.81	0.82	0.360	1/4 SQUARE DRIVE	11	1/8
19RAA03AH2	0.7	3.4	0.5	2.5	1450	12.7	1.81	0.82	0.50	1/4 SQUARE DRIVE	11	1/8
19RAA03AH3	0.7	3.4	0.5	2.5	1450	12.7	1.81	0.82	0.50	3/8 SQUARE DRIVE	11	1/8
19RAA04AM2	1.4	4.7	1	3.4	950	12.0	1.70	0.77	0.360	1/4 SQUARE DRIVE	11	1/8
19RAA05AM2	1.4	5.7	1	4.2	570	12.4	1.81	0.82	0.360	1/4 SQUARE DRIVE	11	1/8
19RAA06AH2	1.5	6	1.1	4.4	850	12.5	1.81	0.82	0.50	1/4 SQUARE DRIVE	11	1/8
19RAA06AH3	1.5	6	1.1	4.4	850	12.5	1.81	0.82	0.50	3/8 SQUARE DRIVE	11	1/8
19RAA07AH2	1.5	6.8	1.1	5	500	12.9	1.90	0.86	0.50	1/4 SQUARE DRIVE	11	1/8
19RAA07AH3	1.5	6.8	1.1	5	500	12.9	1.90	0.86	0.50	3/8 SQUARE DRIVE	11	1/8
19RAA09AH2	2.0	8.5	1.4	6.2	500	12.9	1.90	0.86	0.50	1/4 SQUARE DRIVE	11	1/8
19RAA09AH3	2.0	8.5	1.4	6.2	500	12.9	1.90	0.86	0.50	3/8 SQUARE DRIVE	11	1/8
19RAA11AH2	2.5	11.3	1.8	8.3	340	12.3	2.09	0.95	0.50	1/4 SQUARE DRIVE	11	1/8
19RAA11AH3	2.5	11.3	1.8	8.3	340	12.3	2.09	0.95	0.50	3/8 SQUARE DRIVE	11	1/8
19RAA11AHM	2.5	11.3	1.8	8.3	340	12.3	2.09	0.95	0.50			1/8
19RAA12AH2	2.5	11.3	1.8	8.3	200	12.9	1.90	0.86	0.50	1/4 SQUARE DRIVE	11	1/8
19RAA12AH3	2.5	11.3	1.8	8.3	200	12.9	1.90	0.86	0.50	3/8 SQUARE DRIVE	11	1/8
19RAA12AHQ	2.5	11.3	1.8	8.3	200	12.9	1.90	0.86	0.50	1/4 QUICK CHANGE	11	1/8

General: Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment: Operating instructions & service manual.

All torque springs required to meet indicated torque specification.

Optional Equipment:

Non-Reverse Kit: 207030

Torque Signal Kit: 301106 (Clecomatic clutch only)

Overhose: 207019

Quick Change and 1/4" magnetic hex outputs available on AH3 models only. Quick Change: Change AH3 to AHQ 1/4" Magnetic Hex: Change AH3 to AHM

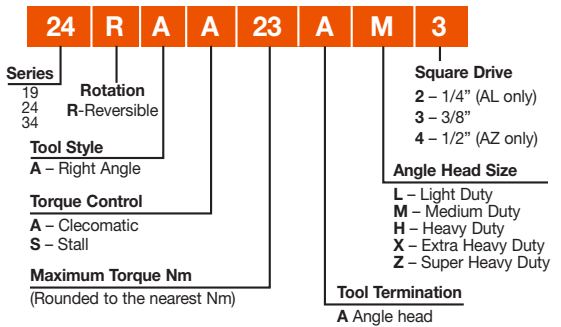
24 Series - Angle Nutrunner - Clutch Shut-Off - Lever Start - Collar Reverse

Lightweight, ergonomic, and easy to service

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- Indexable angle head for added versatility
- Durable Clecomatic Clutch delivers best-in-class torque repeatability and long calibration cycle
- Heavy-duty Cleco motor is the industry standard for reliability
- Oil-less blades reduce oil mist in work area



Model Number Example



MODEL	TORQUE RANGE				FREE SPEED	LENGTH	WEIGHT		HEAD HEIGHT	SIDE TO CENTER	OUTPUT DRIVE	AIR CON-SUMPTION	AIR INLET SIZE
	MIN NM	MAX NM	MIN FT LB	MAX FT LB	R/MIN	IN	LB	KG	IN	IN		SCFM	IN
24RAA11AL3	7.0	10.8	5.0	8.0	1260	14.1	2.60	1.18	1.08	0.47	3/8 SQUARE DRIVE	23.9	3/8
24RAA12AM3	7.0	12.2	5.0	9.0	1200	14.2	2.80	1.27	1.16	0.52	3/8 SQUARE DRIVE	23.9	3/8
24RAA19AM3	10.0	19	7.0	14.0	700	15.0	3.20	1.45	1.16	0.52	3/8 SQUARE DRIVE	23.9	3/8
24RAA23AM3	12.0	23.0	9.0	17.0	600	15.0	3.20	1.45	1.16	0.52	3/8 SQUARE DRIVE	23.9	3/8

General: Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

- Operating instructions & service manual
- Suspension bail
- Clutch adjustment tool

Optional Equipment:

- Assembly wrench: 201898
- Torque signal kit: 301937PT
- Non-reversible kit: 204999
- Exhaust Overhose: 204978

## 34 Series - Angle Nutrunner - Clutch Shut-Off - Lever Start - Collar Reverse

Lightweight, ergonomic, and easy to service

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### Model Number Example

**24 R A A 23 A M 3**

<b>Series</b> 19 24 34	<b>Rotation</b> R-Reversible	<b>Tool Style</b> A - Right Angle	<b>Torque Control</b> A - Clecomatic S - Stall	<b>Maximum Torque Nm</b> (Rounded to the nearest Nm)	<b>Square Drive</b> 2 - 1/4" (AL only) 3 - 3/8" 4 - 1/2" (AZ only)	<b>Angle Head Size</b> L - Light Duty M - Medium Duty H - Heavy Duty X - Extra Heavy Duty Z - Super Heavy Duty	<b>Tool Termination</b> A Angle head
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MODEL	TORQUE RANGE				FREE SPEED	LENGTH	WEIGHT		HEAD HEIGHT	SIDE TO CENTER	OUTPUT DRIVE	AIR CON-SUMPTION	AIR INLET SIZE
	MIN NM	MAX NM	MIN FT LB	MAX FT LB	R/MIN	IN	LB	KG	IN	IN		SCFM	IN
34RAA08AL3	5.4	8.1	4.0	6.0	2060	14.5	2.69	1.22	1.08	0.47	3/8 SQUARE DRIVE	33.9	3/8
34RAA11AL3	6.8	10.8	5.0	8.0	1675	14.5	2.69	1.22	1.08	0.47	3/8 SQUARE DRIVE	33.9	3/8
34RAA15AM3	9.5	14.9	7.0	11.0	1185	14.6	1.30	0.59	1.16	0.52	3/8 SQUARE DRIVE	33.9	3/8
34RAA26AH3	13.6	25.8	10.0	19.0	710	15.4	3.20	1.45	1.22	0.57	3/8 SQUARE DRIVE	33.9	3/8
34RAA28AH3	13.6	27.1	10.0	20.0	580	15.4	3.31	1.5	1.16	0.52	3/8 SQUARE DRIVE	33.9	3/8
34RAA33AX3	16.3	32.5	12.0	24.0	545	15.5	3.51	1.59	1.36	0.67	3/8 SQUARE DRIVE	33.9	3/8
34RAA37AX3	19	36.6	14.0	27.0	480	15.6	3.40	1.54	1.36	0.67	3/8 SQUARE DRIVE	33.9	3/8
34RAA47AX3	23.0	47.0	17.0	35.0	385	15.6	3.40	1.54	1.36	0.67	3/8 SQUARE DRIVE	33.9	3/8
34RAA68AZ3	34.0	68.0	25.0	50	255	16.2	3.70	1.68	1.60	0.7	3/8 SQUARE DRIVE	33.9	3/8
34RAA68AZ4	34.0	68.0	25.0	50	255	16.2	1.70	0.77	1.60	0.7	1/2 SQUARE DRIVE	33.9	3/8
34RAA75AZ3	38.0	75.0	28.0	55	155	17.0	3.90	1.77	1.60	0.7	3/8 SQUARE DRIVE	33.9	3/8
34RAA75AZ4	38.0	75.0	28.0	55	155	17.0	3.90	1.77	1.60	0.7	1/2 SQUARE DRIVE	33.9	3/8

General: Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

Operating instructions & service manual

Suspension bail

Clutch adjustment tool

Optional Equipment:

Assembly wrench: 201898

Torque signal kit: 301937PT

Non-reversible kit: 204999

Exhaust Overhose: 204978

## 19 Series - Angle Nutrunner - Stall - Lever Start - Collar Reverse

Designed for soft-draw applications

- Designed for soft-draw applications
- Compact angle head provides superb access
- Lightweight, ergonomic, and easy to service
- Grip material tested to withstand a range of industrial chemicals



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<b>Series</b> 19 24 34	<b>Rotation</b> R-Reversible	<b>Tool Style</b> A – Right Angle	<b>Torque Control</b> A – Clecomatic S – Stall	<b>Maximum Torque Nm</b> (Rounded to the nearest Nm)		<b>Square Drive</b> 2 – 1/4" (AL only) 3 – 3/8" 4 – 1/2" (AZ only)	<b>Angle Head Size</b> L – Light Duty M – Medium Duty H – Heavy Duty X – Extra Heavy Duty Z – Super Heavy Duty
						<b>Tool Termination</b> A Angle head	

MODEL	TORQUE RANGE				FREE SPEED	LENGTH		WEIGHT		HEAD HEIGHT	SIDE TO CENTER	AIR CONSUMPTION	AIR INLET SIZE
	MIN NM	MAX NM	MIN FT LB	MAX FT LB	R/MIN	IN	LB	KG		IN	IN	SCFM	IN
19RAS03AM2	0	3.2	0	2.3	1700	11.4	1.30	0.59		1.06 IN	0.36	11.0	1/8
19RAS04AH2*	0	3.6	0	2.6	1500	11.2	1.41	0.64		1.19 IN	0.5	11.0	1/8
19RAS05AM2	0	5.2	0	3.8	850	10.6	1.19	0.54		1.06 IN	0.36	11.0	1/8
19RAS06AH3	0	6.2	0	4.6	880	11.0	1.30	0.59		1.19 IN	0.5	11.0	1/8

General: Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

Operating instructions & service manual

Suspension bail (19 series)

Torque reaction mounting plate (75 series)

Optional Equipment:

19 Series: Non-Reverse Kit: 207030

Overhose: 207019

Quick Change and 1/4" magnetic hex outputs available on AH3 models only.

Quick Change: Change AH3 to AHQ

1/4" Magnetic Hex: Change AH3 to AHM

24/34 Series: Assembly wrench: 201898

Non-reverse kit 204999

\* Maximum torque of tool exceeds the maximum torque rating for the head, increased maintenance should be expected when operated at the upper torque capacity range.