



ACHIEVING ASSEMBLY EXCELLENCE
2024
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1000 SERIES

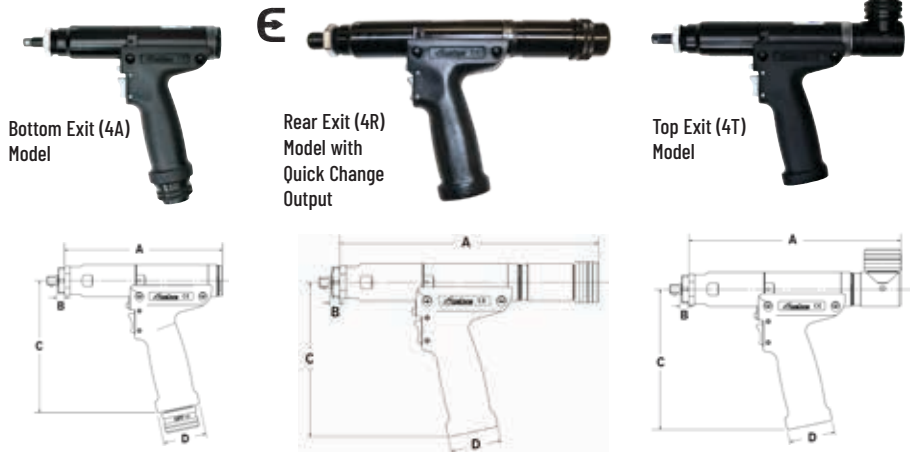
1 – 22 Nm

- Superior size, speed, and duty cycle compared to competitors' tools
- Durable Nylon motor and handle housing
- Onboard lights and audible signal for operator feedback



1000 Series Pistol Tools

- Bottom, top, rear exit and push-to-start models available
- Standard Square Drive or extended Ergo Drive output available on all models
- 1/4" Quick Change output available on 3 – 14 Nm models
- Programmable Multi-Function Button: One single button facilitates several distinctly different tasks



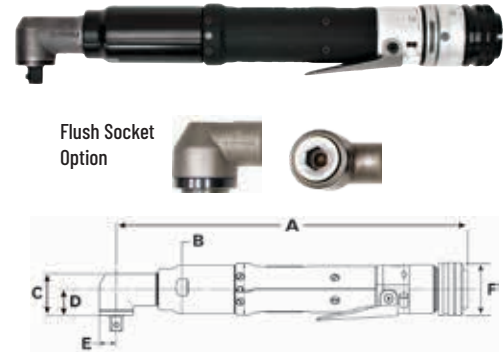
1000 Series Pistol Tools

Model	Max Torque		Torque Range		Free Speed RPM	Weight (-) Socket		Output Drive SQ DR	A		B		C		D	
	NM	FT-LB	NM	FT-LB		LB	KG		IN	MM	IN	MM	IN	MM	IN	MM
Pistol 4A Models = Bottom Exit 4R Models = Rear Exit 4T Models = Top Exit (V) = Extended Ergo-Drive Output (Q) = 1/4" Quick Change Output																
AEP4(A)(R)(T)12003B(V)(Q)	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.2	1.00	3/8"	A = 6.5 R = 9.3 T = 8.3	165.1 236 210.9	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12006B(V)(Q)	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.2	1.00	3/8"	A = 6.5 R = 9.3 T = 8.3	165.1 236 210.9	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12011B(V)(Q)	11	8.1	2.8 - 11	2 - 8.1	1,313	2.3	1.04	3/8"	A = 7.17 R = 10.34 T = 8.97	182.2 262.7 228	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12014B(V)(Q)	14	10	3.5 - 14	2.6 - 10	1,037	2.3	1.04	3/8"	A = 7.17 R = 10.34 T = 8.97	182.2 262.7 228	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12018BV	18	13	4.5 - 18	3.3 - 13	840	2.3	1.04	3/8"	A = 7.17 R = 10.34 T = 8.97	182.2 262.7 228	0.38	9.6	6.01	152.6	1.96	49.7
AEP4(A)(R)(T)12022BV	22	16	5.5 - 22	4.1 - 16	656	2.3	1.04	3/8"	A = 7.17 R = 10.34 T = 8.97	182.2 262.7 228	0.38	9.6	6.01	152.6	1.96	49.7
Pistol Push-to-Start																
AEP4T12003BL	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.2	1.00	3/8"	8.88	225.5	0.25	6.3	6.01	152.6	1.96	49.7
AEP4T12006BL	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.2	1.00	3/8"	8.88	225.5	0.25	6.3	6.01	152.6	1.96	49.7
AEP4T12011BL	11	8.1	2.8 - 11	2 - 8.1	1,313	2.3	1.04	3/8"	8.97	228	0.25	6.3	6.01	152.6	1.96	49.7
AEP4T12014BL	14	10	3.5 - 14	2.6 - 10	1,037	2.3	1.04	3/8"	8.97	228	0.25	6.3	6.01	152.6	1.96	49.7

* E logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

1000 Series Angle Tools

- Compact, durable head houses a precision right-angle gearset that fits into the tightest spaces
- Integrated transducer for accurate delivery or monitoring of Torque and Angle
- Lightweight materials and uniform body diameter provide a comfortable grip
- Ergonomically placed start lever for ease of operation
- Available in regular or flush socket options



1000 Series Angle Tools

Model	Max Torque		Torque Range		Free Speed RPM	Weight (-)Socket		Output Drive SQ DR	A		B		C		D		E		F	
	NM	FT-LB	NM	FT-LB		LB	KG		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
Angle Add "F" to Part Numbers for Flush Socket																				
AEN4C12004B	4	3	1 - 4	0.7 - 3	3,111	2.0	0.91	3/8"	11.04	280.4	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6
AEN4C12009B	9	6.6	2.3 - 9	1.7 - 6.6	1,750	2.2	1.00	3/8"	11.01	279.6	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6
AEN4C12014B	14	10	3.5 - 14	2.6 - 10	875	2.2	1.00	3/8"	11.65	295.9	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6
AEN4C12018B	18	13	4.5 - 18	3.3 - 13	691	2.2	1.00	3/8"	11.65	295.9	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6
AEN4C12022B	22	16	5.5 - 22	4.1 - 16	560	2.2	1.00	3/8"	11.65	295.9	1.47	37.3	1.29	32.8	0.82	20.9	.52	13.1	1.56	39.6

1000 Series Inline Tools

- Square drive or Ergo drive available on all inline models
- Quick change output available on 3 - 14 Nm inline and push-to-start models
- User modifiable reaction bar included with in-line tools for use in handheld applications

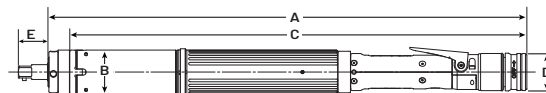


1000 Series Inline Tools

Model	Max Torque		Torque Range		Free Speed RPM	Weight (-)Socket		Output Drive SQ DR	A		B		C		D		E	
	NM	FT-LB	NM	FT-LB		LB	KG		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
Inline V = Extended Ergo-Drive Output Q = 1/4" Quick Change Output																		
AES4A12003B(V)(Q)	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.0	0.91	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12006B(V)(Q)	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.0	0.91	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12011B(V)(Q)	11	8.1	2.8 - 11	2 - 8.1	1,313	2.2	1.00	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12014B(V)(Q)	14	10	3.5 - 14	2.6 - 10	1,037	2.2	1.00	3/8"	11	279.4	1.56	39.6	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12018BV	18	13	4.5 - 18	3.3 - 13	840	2.2	1.00	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
AES4A12022BV	22	16	5.5 - 22	4.1 - 16	656	2.2	1.00	3/8"	11	279.4	1.47	37.3	7.43	188.6	1.56	39.6	1.31	33.4
Inline Push-to-Start (Q) = 1/4" Quick Change Output																		
AEL4A12003B(Q)	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.0	0.91	3/8"	10.69	271.6	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12006B(Q)	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.0	0.91	3/8"	10.69	271.6	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12011B(Q)	11	8.1	2.8 - 11	2 - 8.1	1,313	2.2	1.00	3/8"	11.26	286.1	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12014B(Q)	14	10	3.5 - 14	2.6 - 10	1,037	2.2	1.00	3/8"	11.26	286.1	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12018B	18	13	4.5 - 18	3.3 - 13	840	2.2	1.00	3/8"	11.26	286.1	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6
AEL4A12022B	22	16	5.5 - 22	4.1 - 16	656	2.2	1.00	3/8"	11.26	286.1	1.56	39.6	7.38	187.4	0.21	5.3	1.56	39.6



Inline Tool, 3 - 22 Nm



Inline Tool, 100 Nm

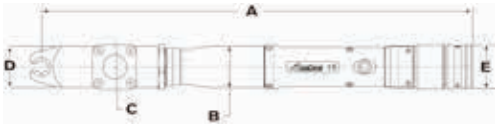


Push-to-Start Tool

* E logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

1000 Series Tubenut Tools

- Durable tubenut head design
- Simple, one-touch back to open operation for maximum productivity
- Innovative Sensor Technology: Transducer senses resistance in the initial 90 degrees of rotation and returns to open upon resistance encountered



INNOVATIVE SAFETY SENSOR TECHNOLOGY: Tool returns to open upon resistance encountered in initial 90° of rotation.

1000 Series Tubenut Tools

1000 Series Tubenut	Max Torque		Torque Range		Free Speed RPM	Weight (-)Socket		Output Drive		A		B		C		D		E	
	NM	FT-LB	NM	FT-LB		LB	KG	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
Tubenut Wide variety of socket sizes available																			
AET4AA12018B	14	13	3.6 - 14	2.7 - 11	516	3.1	1.41	1/4 - 7/16	7 - 12	15.4	391.5	1.47	37.3	1.57	40	1.46	37	1.56	39.6
AET4AB12025B	20	18	5 - 20	3.7 - 15	387	3.1	1.41	3/8 - 5/8	10 - 17	15.9	404.9	1.47	37.3	1.57	40	1.56	39.5	1.56	39.6
AET4A12025B-KD	25	18	5 - 25	3.7 - 18	387	3.1	1.41	3/8 - 5/8	10 - 17	15.9	403.2	1.47	37.3	1.64	41.6	1.64	41.6	1.56	39.6
AET4A12030B-KD	30	22	6 - 30	4.4 - 22	285	3.1	1.41	3/8 - 5/8	10 - 17	15.9	403.2	1.47	37.3	1.64	41.6	1.64	41.6	1.56	39.6

1000 Series Fixtured Tools

- Rear & bottom exit available
- Standard Square Drive, Extended Ergo Drive, or 1/4" Quick Change outputs available in most models
- Integrated Sliding Spindles offered in varying lengths of travel to suit specific application needs



Rear Exit Model



Bottom Exit Model

1-3/4" Sliding Spindle Model

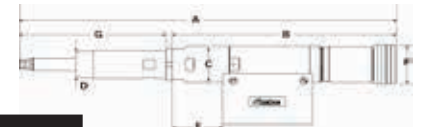


1000 Series Fixtured Tools

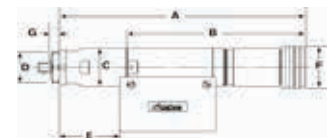
Model	Max Torque		Torque Range		Free Speed RPM	Weight (-)Socket		Output Drive SQ DR
	NM	FT-LB	NM	FT-LB		LB	KG	
Fixtured 4A models = 1/2" sliding spindle 4C Models = 1-3/4" Sliding Spindle 4X Models = Fixed 3/8" Sq. Dr. (B) = Bottom Exit Cable (Q) = 1/4" Quick Change Output								
AEF4(A)(C)(X)12003B(B)(Q)	3	2.2	0.8 - 3	0.6 - 2.2	2,625	2.0	0.91	3/8"
AEF4(A)(C)(X)12006B(B)(Q)	6	4.4	1.5 - 6	1.1 - 4.4	2,625	2.0	0.91	3/8"
AEF4(A)(C)(X)12011B(B)(Q)	11	8.1	2.8 - 11	2 - 8.1	1,313	2.2	1.00	3/8"
AEF4(A)(C)(X)12014B(B)(Q)	14	10	3.5 - 14	2.6 - 10	1,037	2.2	1.00	3/8"
AEF4(A)(C)(X)12018B(B)	18	13	4.5 - 18	3.3 - 13	840	2.2	1.00	3/8"
AEF4(A)(C)(X)12022B(B)	22	16	5.5 - 22	4.1 - 16	656	2.2	1.00	3/8"



AEF4A 1/2" Sliding Spindle Model



AEF4C 1-3/4" Sliding Spindle Model



AEF4X Fixed 3/8" Sq. Dr. Model

1000 Series Fixtured Tool Dimensions

Fixtured	A		B		C		D		E		F		G	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
AEF4A12003B / AEF4A12006B	11.57	294	9.14	231.1	1.47	37.3	1.12	28.6	2.05	52.2	1.59	40.4	2.18	55.5
AEF4A12011B / AEF4A12014B / AEF4A12018B / AEF4A12022B	12.20	309.8	9.14	231.1	1.47	37.3	1.12	28.6	2.72	69.2	1.59	40.4	2.18	55.5
AEF4C12003B / AEF4C12006B	15.36	390.3	9.14	231.1	1.47	37.3	1.12	28.6	2.05	52.2	1.59	40.4	5.98	151.8
AEF4C12011B / AEF4C12014B / AEF4C12018B / AEF4C12022B	15.99	406.1	9.14	231.1	1.47	37.3	1.12	28.6	2.72	69.2	1.59	40.4	5.98	151.8
AEF4X12003B / AEF4X12006B	9.35	237.5	6.82	173.2	1.47	37.3	1.31	33.4	2.06	52.2	1.59	40.4	0.38	9.7
AEF4X12011B / AEF4X12014B / AEF4X12018B / AEF4X12022B	10.02	254.4	6.82	173.2	1.47	37.3	1.31	33.4	2.72	69.1	1.59	40.4	0.38	9.7

*E logo indicates where ERGO-DRIVE sockets/extensions benefit tool operation.

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