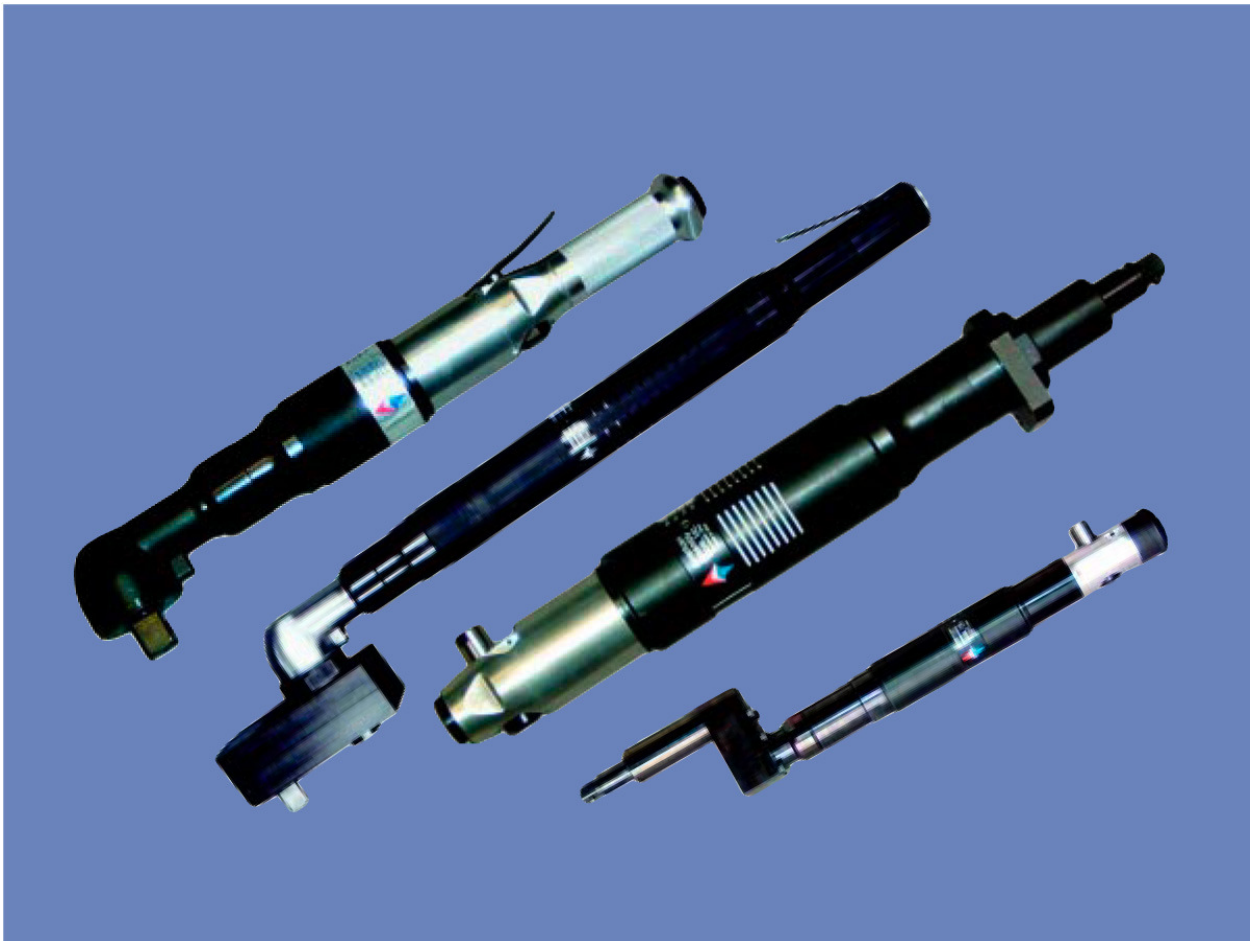




# AMERICAN ASSEMBLY TOOLS, INC.

**Manufacturer of Pneumatic & Electric Nutrunners  
For Industrial Assembly**



January 2006

American Assembly Tools, Inc.  
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# American Assembly Tools Product Directory

This Catalog represents only a fraction of AAT's air and electric nutrunner possibilities. There are hundreds of combinations of motors and controls, gearing and outputs available to create a tool customized to fit your needs. Listed below are examples of AAT's motor and operator control combinations along with their most practical torque range. Contact AAT or your AAT representative to help you determine what is best suited to fill your needs.

<u>Motor Type</u>	<u>Motor Size</u>	<u>Product Designation</u>	<u>Shut-Off Control</u>	<u>Start Type</u>	<u>Torque Range - Nm</u>		<u>Page Num</u>
					<u>Angle</u>	<u>In-line</u>	
Air	2	H-Series	None (Stall)	External	10 - 240	10 – 150	1
Air	2	H-Series + Speed Shift	None (Stall)	External	25 - 500	25 - 500	2
Air	2	Stall	None (Stall)	Manual-Remote-Push	10 - 240	10 – 400	3
Air	2	Stall + Speed Shift	None (Stall)	Manual-Remote-Push	25 - 680	25 - 1000	4
Air	3	H-Series	None (Stall)	External	25 - 500	25 -2000	5
Air	3	H-Series + Speed Shift	None (Stall)	External	25 -1350	25 -2000	6
Air	3	H-Series + Dbl Speed Shift	None (Stall)	External	325 -1350	325 -2000	7
Air	3	Stall	None (Stall)	Manual-Remote-Push	25 - 500	25 -2000	8
Air	3	Stall + Speed Shift	None (Stall)	Manual-Remote-Push	25 -1350	25 -2000	9
Air	3	Stall + Double Speed-Shift	None (Stall)	Manual-Remote-Push	325 -1350	325 -2000	10
Air	2	PAC 2	Pressure Activated	Manual-Remote-Push	10 - 240	10 – 150	11
Air	2	PAC 2 + Speed Shift	Pressure Activated	Manual-Remote-Push	25 - 500	25 - 500	12
Air	3	PAC 3	Pressure Activated	Manual-Remote-Push	25 - 500	25 -2000	13
Air	3	PAC 3 + Speed Shift	Pressure Activated	Manual-Remote-Push	25 -1350	25 -2000	14
Air	3	PAC 3 + Dbl Speed Shift	Pressure Activated	Manual-Remote-Push	325 -1350	325 -2000	15
Air	2	Accu-Brake	Clutch	Manual-Remote-Push	10 - 240	10 – 150	16
Air	3	Accu-Brake	Clutch	Manual-Remote-Push	25 - 500	25 -2000	17
Air	2	Accu-Trol	Computer	Manual-Remote-Push	10 - 240	10 – 150	18
Air	2	Accu-Trol + Speed Shift	Computer	Manual-Remote-Push	25 - 500	25 - 500	19
Air	3	Accu-Trol	Computer	Manual-Remote-Push	25 - 500	25 -2000	20
Air	3	Accu-Trol + Speed Shift	Computer	Manual-Remote-Push	25 -1350	25 -2000	21
Air	3	Accu-Trol + Dbl Spd Shift	Computer	Manual-Remote-Push	325 -1350	325 -2000	22
Electric	2	Accu-Trol	Computer	Manual/Push-Remote	10 - 240	10 – 150	23
Electric	2	Accu-Trol + Speed Shift	Computer	Manual/Push-Remote	25 - 500	25 - 500	24
Electric	3H	Accu-Trol	Computer	Manual/Push-Remote	25 - 500	25 -2000	NA
Electric	3H	Accu-Trol + Speed Shift	Computer	Manual/Push-Remote	25 -1350	25 -2000	25
Electric	3H	Accu-Trol + Dbl Spd Shift	Computer	Manual/Push-Remote	325 -1350	325 -2000	26
					TOOL OPTIONS		27
					MODEL NUMBER BUILDER		28

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## **AMERICAN ASSEMBLY TOOLS, INC. LIFETIME WARRANTY**

American Assembly Tools, Inc. (AAT) warrants AAT Tools and Accessory Equipment against defects in material and workmanship for the life of the Tool or Accessory Equipment. Without charge to the original purchaser, AAT, at its option, will repair or replace any Tool or Accessory or component part if it is found to be defective or not in accordance with AAT Engineering specifications in effect at the time of manufacture and said Tool or Accessory or component part is in active commercial production by AAT. Without charge to the original purchaser, AAT will also, at its option, repair or replace any Assembly Tool or Accessory used for assembly operations or component part (excepting Tools and Accessory Equipment and parts thereof designated for light or limited duty) in the event of a failure due to wear encountered in normal operation under typical specified conditions where typical maintenance procedures have been observed if such failure occurs within one year of the original purchase date of the Tool or Accessory and the failed Tool or Accessory has been subjected to 500,000 operations or less. The Tool or Accessory is to be returned to AAT's factory with shipping charges prepaid.

This warranty will not apply to any Tool or Accessory which has been misused, modified or has been subjected to negligence or has been damaged by accidental misuse or other damage by accidental occurrences; or in which parts not manufactured by or specified by AAT have been used for repair; or which shall have been repaired or altered by other than AAT authorized personnel in such a manner, as determined by AAT, that the function of the Tool or Accessory has been affected.

THIS WARRANTY CONSTITUTES THE ENTIRETY OF THE OBLIGATION OF AAT RELATIVE TO THE SALE AND USE OF SAID PRODUCTS AND ITS MAXIMUM LIABILITY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT. IN NO EVENT WILL AAT BE LIABLE FOR CONSEQUENTIAL, INDIRECT, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES ARISING FROM THE USE OR SALE OF SUCH PRODUCT.



**PNEUMATIC NUTRUNNERS**

**Stall 2 H-Series**

These general purpose stall tools are intended for fixtured applications. They contain no valves and are started by introducing air to the inlet port. They stall at a final torque determined by the air pressure. Reverse is optional. These tools use our smaller, size 2 air motor and are intended for lower torque applications.



**AS2LS-H050**

**FIXTURED ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Wt.</u>		<u>Length</u>			<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>		
AS2AR-H010	11	8.2	1500	1.8	4.0	282	11.1	3/8	
AS2AR-H016	16	11.8	1000	1.8	4.0	282	11.1	3/8	
AS2AR-H025	28	21.0	595	1.8	4.0	282	11.1	3/8	
AS2AR-H040	39	28.8	380	1.9	4.2	305	12.0	3/8	
AS2AR-H050	50	36.9	295	1.9	4.2	305	12.0	3/8	
AS2AR-H075	75	55.3	195	2.6	5.7	363	14.3	1/2	
AS2AR-H100	102	75.2	150	2.6	5.7	363	14.3	1/2	
AS2AR-H140	143	106	105	2.6	5.7	363	14.3	1/2	
AS2AR-H210	215	159	75	3.2	7.0	381	15.0	3/4	
AS2AR-H240	240	177	70	3.2	7.0	381	15.0	3/4	

**FIXTURED IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AS2L(S)-H010	11	8.2	1575	1.1	2.7	265	10.5	1.4	3.2	311	12.2	3/8
AS2L(S)-H016	16	11.8	1050	1.1	2.7	265	10.5	1.4	3.2	311	12.2	3/8
AS2L(S)-H025	28	21.0	625	1.1	2.7	265	10.5	1.4	3.2	311	12.2	3/8
AS2L(S)-H040	39	28.8	400	1.6	3.1	288	11.3	1.5	3.4	336	13.2	3/8
AS2L(S)-H050	50	36.9	310	1.6	3.1	288	11.3	1.5	3.4	336	13.2	3/8
AS2L(S)-H075	75	55.3	205	2.2	4.9	385	15.2	2.3	5.0	405	16.0	1/2
AS2L(S)-H100	102	75.2	155	2.2	4.9	385	15.2	2.3	5.0	405	16.0	1/2
AS2L(S)-H140	143	106	110	2.2	4.9	385	15.2	2.3	5.0	405	16.0	1/2
AS2L(S)-H200	200	148	90	3.6	8.0	479	18.9	3.9	8.6	586	23.1	3/4
AS2L(S)-H250	250	184	60	3.6	8.0	479	18.9	3.9	8.6	586	23.1	3/4

Intermediate torques are available as well as models above 250 Nm. Ask you AAT representative



**PNEUMATIC NUTRUNNERS**

**Speed Shift Stall 2 H-Series**

These general purpose stall tools are intended for fixturing. They contain no valves and are started by introducing air to the inlet port and stall at final torque determined by the air pressure. They use AAT's patented Speed Shift™ device for high speed operation. The smaller size 2 air motor used in conjunction with the Speed Shift device makes possible high speed, high torque tools that use less air.



**ASD2LS-H200**

**FIXTURED ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>		<u>rpm</u>	<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>		<u>Nm</u>	<u>ft lb</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASD2AR-H025	28	21.0	4710	2	1.5	2.2	4.9	321	12.6	3/8
ASD2AR-H040	39	28.8	1360	7	5.2	2.3	5.1	344	13.5	3/8
ASD2AR-H050	50	36.9	1160	8	5.9	2.3	5.1	344	13.5	1/2
ASD2AR-H075	75	55.3	940	10	7.4	3.0	6.6	402	15.8	1/2
ASD2AR-H100	102	75.2	1160	8	5.9	3.0	6.6	402	15.8	1/2
ASD2AR-H140	143	106	825	12	8.8	3.0	6.6	402	15.8	1/2
ASD2AR-H210	215	159	625	15	11	3.6	7.9	420	16.5	3/4
ASD2AR-H240	240	177	550	18	13	3.6	7.9	420	16.5	3/4
ASD2AR-H350	360	265	340	28	21	7.1	15.7	574	22.6	3/4
ASD2AR-H500*	500	369	275	38	28	7.1	15.7	574	22.6	3/4

\* flat angle head

**FIXTURED IN-LINE TOOL**

<u>Model</u>	<u>Torque</u>		<u>rpm</u>	<u>Shift Torque</u>		<u>Fixed Spindle (L)</u>		<u>Sliding Spindle (LS)</u>		<u>Sq Dr</u>				
	<u>Nm</u>	<u>ft lb</u>		<u>Nm</u>	<u>ft lb</u>	<u>Weight</u>	<u>Length</u>	<u>Weight</u>	<u>Length</u>					
	<u>Nm</u>	<u>ft lb</u>		<u>Nm</u>	<u>ft lb</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASD2L(S)-H025	28	21.0	4950	2.0	1.5	1.6	3.6	304	12.0	1.9	4.1	350	13.8	3/8
ASD2L(S)-H040	39	28.8	1425	7.0	5.2	1.8	4.0	327	12.9	1.9	4.3	375	14.8	3/8
ASD2L(S)-H050	50	36.9	1260	8.0	5.9	1.8	4.0	327	12.9	1.9	4.3	375	14.8	1/2
ASD2L(S)-H075	75	55.3	985	10.0	7.4	2.6	5.8	424	16.7	2.7	5.9	444	17.5	1/2
ASD2L(S)-H100	102	75.2	1215	8.0	5.9	2.6	5.8	424	16.7	2.7	5.9	444	17.5	1/2
ASD2L(S)-H140	143	106	840	12.0	8.8	2.6	5.8	424	16.7	2.7	5.9	444	17.5	1/2
ASD2L(S)-H200	200	148	660	27.0	20.0	4.0	8.9	518	20.4	4.3	9.5	625	24.6	3/4
ASD2L(S)-H250	250	184	580	34.0	25.0	4.0	8.9	518	20.4	4.3	9.5	625	24.6	3/4
ASD2L(S)-H350	350	258	250	39.0	29.0	4.0	8.9	518	20.4	4.3	9.5	625	24.6	3/4
ASD2L(S)-H500	495	365	220	44.0	32.0	4.0	8.9	518	20.4	4.3	9.5	625	24.6	3/4

Intermediate torques are available as well as models above 500 Nm. Ask you AAT representative



**PNEUMATIC NUTRUNNERS**

**Stall 2**

These general purpose stall tools are intended for fixturing or hand-held applications. The tools contain valves for either a manual lever throttle or a remote start. Torque at stall is determined by air pressure. The tools use AAT's smaller, size 2 air motor for lower torque applications. Reverse is available as an option



**AS2L-M040**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Wt.</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AS2A-M010	10	7.4	1575	1.5	3.4	333	13.1	3/8
AS2A-M020	23	17.0	710	1.5	3.4	333	13.1	3/8
AS2A-M030	34	25.1	440	1.7	4.0	356	14.0	3/8
AS2A-M040	39	29.5	390	1.7	4.0	356	14.0	3/8
AS2A-M050	50	38.3	300	1.7	4.0	356	14.0	3/8
AS2A-M060	64	47.2	240	1.7	4.0	356	14.0	1/2
AS2A-M085	85	63.0	180	2.4	5.3	414	16.3	1/2
AS2A-M125	125	92.0	130	2.4	5.3	414	16.3	1/2
AS2A-M180	180	133	85	3.0	6.6	432	17.0	3/4
AS2A-M240	240	177	65	3.0	6.6	432	17.0	3/4

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AS2L(S)-M010	10	7.4	1600	1.1	2.5	302	11.9	1.3	2.8	351	13.8	3/8
AS2L(S)-M020	23	17.0	725	1.1	2.5	302	11.9	1.3	2.8	351	13.8	3/8
AS2L(S)-M030	34	25.1	460	1.3	2.9	325	12.8	1.5	3.2	373	14.7	3/8
AS2L(S)-M040	40	29.5	410	1.3	2.9	325	12.8	1.5	3.2	373	14.7	3/8
AS2L(S)-M050	52	38.4	305	1.3	2.9	325	12.8	1.5	3.2	373	14.7	3/8
AS2L(S)-M060	64	47.2	250	1.3	2.9	325	12.8	1.5	3.2	373	14.7	3/8
AS2L(S)-M080	87	64.2	185	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2
AS2L(S)-M100	105	77.4	150	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2
AS2L(S)-M140	140	103	110	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2
AS2L(S)-M160	160	120	95	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2

Intermediate torques are available as well as angle models above 240 Nm and in-line models above 160 Nm. Ask your AAT representative



**PNEUMATIC NUTRUNNERS**

**Speed Shift Stall 2**

These general purpose stall tools are intended for fixturing or hand-held applications. The tools contain valves for either a manual lever throttle or a remote start. Torque at stall is determined by air pressure. These tools contain the patented Speed Shift device for high speed operation and low air consumption. Hand-held tools are lighter and faster than conventional tools of the same size and torque range.



**ASD2LS-M500**

**ANGLE TOOLS**

<u>Model</u>	<u>Shift Torque</u>			<u>Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lb</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASD2A-M025	25	18.4	1575	2.0	1.5	2.0	4.3	373	14.3	3/8
ASD2A-M030	34	25.0	1540	6.0	4.4	2.2	4.7	395	15.2	3/8
ASD2A-M040	39	28.8	1540	6.0	4.4	2.2	4.7	395	15.2	3/8
ASD2A-M060	64	47.2	1360	7.0	5.2	2.2	4.7	395	15.2	1/2
ASD2A-M085	85	62.4	825	12.0	8.8	2.8	6.1	453	17.8	1/2
ASD2A-M125	125	92.2	910	10.0	7.4	2.8	6.1	453	17.8	1/2
ASD2A-M140	140	103	985	12.0	8.8	2.8	6.1	453	17.8	1/2
ASD2A-M185	185	136	625	15.0	11.1	3.1	6.8	475	18.7	3/4
ASD2A-M240	240	177	550	18.0	13.3	3.1	6.8	475	18.7	3/4
ASD2A-M350	365	269	620	28.0	20.7	7.1	15.7	574	22.6	3/4
ASD2A-M500*	500	369	260	38.0	28.0	9.1	20.0	595	23.4	3/4

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASD2L(S)-M025	26	19.2	4900	2.0	1.5	1.5	3.5	315	12.4	1.7	3.8	366	14.4	3/8
ASD2L(S)-M030	34	25.2	1600	6.0	4.4	1.8	3.9	338	13.3	1.9	4.2	389	15.3	3/8
ASD2L(S)-M040	39	28.8	1600	6.0	4.4	1.8	3.9	338	13.3	1.9	4.2	389	15.3	3/8
ASD2L(S)-M060	64	47.2	1425	7.0	5.2	1.8	3.9	338	13.3	1.9	4.2	389	15.3	1/2
ASD2L(S)-M100	102	75.2	1215	8.0	5.9	2.2	5.0	399	15.7	2.4	5.4	457	18.0	1/2
ASD2L(S)-M140	140	103	985	10.0	7.4	2.2	5.0	399	15.7	2.4	5.4	457	18.0	1/2
ASD2L(S)-M200	214	158	410	24.0	17.7	3.5	8.1	493	19.4	4.1	9.0	638	25.1	3/4
ASD2L(S)-M350	350	258	250	39.0	28.8	3.5	8.1	493	19.4	4.1	9.0	638	25.1	3/4
ASD2L(S)-M500	500	369	220	44.0	32.5	3.5	8.1	493	19.4	4.1	9.0	638	25.1	3/4
ASD2L(S)-M800	810	597	100	89.0	65.6	7.6	17.7	621	24.2	9.0	19.9	798	31.4	1.0
ASD2L(S)-M1200	1243	917	90	101	74.5	7.6	17.7	621	24.2	9.0	19.9	798	31.4	1.0
ASD2L(S)-M2000	2000	1475	55	165	122	7.6	17.7	621	24.2	9.0	19.9	798	31.4	1.0

Intermediate torques are available. Ask you AAT representative.



**PNEUMATIC NUTRUNNERS**

**Stall 3 H**

These general purpose stall tools are intended for fixtured applications. They contain no valves and are started by introducing air to the inlet port. They stall at a final torque determined by the air pressure. These tools use AAT's larger, size 3 air motor and are generally intended for higher torque applications. Optional air or manual actuated geared reverse or reverse rotation only are available.

PICTURE COMING SOON

**AS3LS-H060**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Wt.</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AS3A-H025	28	20.6	985	2.7	5.9	452	17.8	3/8
AS3A-H030	32	23.6	870	2.7	5.9	452	17.8	3/8
AS3A-H040	43	31.7	655	2.7	5.9	452	17.8	3/8
AS3A-H065	65	47.9	440	2.7	5.9	452	17.8	3/8
AS3A-H090	94	69.3	285	3.4	7.4	480	18.9	1/2
AS3A-H125	125	92.2	215	3.4	7.4	480	18.9	1/2
AS3A-H140	142	105	185	3.4	7.4	480	18.9	1/2
AS3A-H180	180	133	155	3.8	8.4	498	19.6	3/4
AS3A-H210	213	157	125	3.8	8.4	498	19.6	3/4
AS3A-H240	240	177	110	3.8	8.4	498	19.6	3/4
AS3A-H350*	375	277	70	8.0	17.6	597	23.5	3/4
AS3A-H500*	505	372	53	8.0	17.6	597	23.5	3/4

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AS3L(S)-H024	28	20.6	1035	2.5	5.5	399	15.7	2.4	5.9	457	18.0	3/8
AS3L(S)-H030	32	23.6	910	2.5	5.5	399	15.7	2.4	5.9	457	18.0	3/8
AS3L(S)-H040	43	31.7	685	2.5	5.5	399	15.7	2.4	5.9	457	18.0	3/8
AS3L(S)-H060	63	46.5	465	2.5	5.5	399	15.7	2.4	5.9	457	18.0	1/2
AS3L(S)-H090	94	69.3	300	2.8	6.2	424	16.7	3.0	6.6	483	19.0	1/2
AS3L(S)-H120	121	89.2	230	2.8	6.2	424	16.7	3.0	6.6	483	19.0	1/2
AS3L(S)-H160	161	119	175	2.8	6.2	424	16.7	3.0	6.6	483	19.0	1/2
AS3L(S)-H200	205	151	135	3.9	8.6	493	19.4	4.3	9.4	638	25.1	3/4
AS3L(S)-H350	356	263	75	4.2	9.3	518	20.4	4.6	10.1	663	26.1	3/4
AS3L(S)-H500	515	381	50	4.2	9.3	518	20.4	4.6	10.1	663	26.1	3/4
AS3L(S)-H1000	1015	749	25	8.9	19.6	620	24.4	9.9	21.7	798	21.4	1.0
AS3L(S)-H1500	1525	1125	15	9.2	20.3	645	25.4	10.2	22.4	823	32.4	1.0
AS3L(S)-H2000	2025	1493	13	9.2	20.3	645	25.4	10.2	22.4	823	32.4	1.0

Intermediate torques are available as well as angle models above 500 Nm. Ask your AAT representative



**PNEUMATIC NUTRUNNERS**

**Stall 3 H**

**Speed Shift**

These general purpose stall tools are intended for fixturing. They contain no valves and are started by introducing air to the inlet port and stall at final torque determined by the air pressure. They use AAT's larger air motor for higher torque applications. Torque at stall is determined by air pressure. These tools contain the **Speed Shift™** for high speed operation. Optional air or manual actuated geared reverse or reverse rotation only are available.



PICTURE COMING SOON

**ASD3A-H095**



**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>		<u>rpm</u>	<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>		<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASD3A-H095	95	76	1035	17.0	13.0	3.6	7.9	526	20.4	1/2
ASD3A-H125	125	92	1035	17.0	13.0	3.6	7.9	526	20.4	1/2
ASD3A-H185	188	138	690	26.0	19.0	4.0	8.9	544	21.4	3/4
ASD3A-H240	240	177	535	33.0	24.0	4.0	8.9	544	21.4	3/4
ASD3A-H325*	337	249	325	54.0	39.0	6.4	14.0	615	24.2	3/4
ASD3A-H500*	500	369	250	69.0	51.0	8.2	18.0	625	24.6	3/4
ASD3A-H650*	650	480	245	72.0	53.0	11.4	25.0	688	27.1	3/4
ASD3A-H900*	900	664	175	99.0	73.0	15.0	32.9	836	28.1	1.0
ASD3A-H1300*	1300	958	125	145	107	15.0	32.9	836	28.1	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Fixed Spindle (L) Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Sliding Spindle (LS) Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASD3L(S)-H095	95	70	1035	17.0	12.5	3.0	6.7	470	18.5	3.2	7.1	528	20.8	1/2
ASD3L(S)-H125	125	92	105	17.0	12.5	3.0	6.7	470	18.5	3.2	7.1	528	20.8	1/2
ASD3L(S)-H160	160	118	805	22.0	16.2	3.0	6.7	470	18.5	3.2	7.1	528	20.8	1/2
ASD3L(S)-H250	250	184	630	28.0	20.6	4.1	9.1	539	21.2	4.5	9.9	683	26.9	3/4
ASD3L(S)-H350	355	263	295	57.0	42.0	4.5	9.8	564	22.2	4.8	10.6	709	27.9	3/4
ASD3L(S)-H475	475	350	265	64.0	47.2	4.5	9.8	564	22.2	4.8	10.6	709	27.9	3/4
ASD3L(S)-H750	750	553	205	82.0	60.5	9.1	20.0	666	26.2	10.1	22.1	843	33.2	3/4
ASD3L(S)-H1000	1015	749	205	82.0	60.5	9.1	20.0	666	26.2	10.1	22.1	843	33.2	1.0
ASD3L(S)-H1550	1575	1164	75	215	159	9.4	20.7	691	27.2	10.4	22.8	869	34.2	1.0
ASD3L(S)-H2000	2000	1475	60	274	202	9.4	20.7	691	27.2	10.4	22.8	869	34.2	1.0

Intermediate torques are available. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**Double Speed Shift Stall 3 H**

These general purpose stall tools are intended for fixturing. They contain no valves and are started by introducing air to the inlet port and stall at final torque determined by the air pressure. They use AAT's larger air motor for higher torque applications. Torque at stall is determined by air pressure. These tools contain the **Speed Shift™** for high speed operation. Optional air or manual actuated geared reverse or reverse rotation only are available.

PICTURE COMING SOON

**ASDD3L-H350**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASDD3A-H325*	325	240	1125	16.0	11.0	6.6	14.5	660	26.0	3/4
ASDD3A-H500*	500	369	980	18.0	13.0	8.4	18.5	671	26.4	3/4
ASDD3A-H1350*	1350	1000	225	74.0	55.0	15.2	33.4	760	29.9	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASDD3L(S)-H350	350	258	1035	16.4	12.1	4.7	10.3	610	24.0	5.0	11.1	754	29.7	3/4
ASDD3L(S)-H500	500	369	805	21.0	15.4	4.7	10.3	610	24.0	5.0	11.1	754	29.7	3/4
ASDD3L(S)-H1175	1175	867	260	61.0	46.0	9.4	20.9	737	29.0	10.5	23.0	914	36.0	1.0
ASDD3L(S)-H1525	1525	1125	260	61.0	46.0	9.4	20.9	737	29.0	10.5	23.0	914	36.0	1.0
ASDD3L(S)-H2000	2000	1475	230	69.0	51.0	9.4	20.9	737	29.0	10.5	23.0	914	36.0	1.0

Intermediate torques are available. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**Stall 3**

These general purpose stall tools are intended for fixturing or hand-held applications. The tools contain valves for either a manual lever throttle or a remote start. Torque at stall is determined by air pressure. These tools use AAT's larger, size 3 air motor and are generally intended for higher torque applications. Optional geared reverse or reverse only available.



**AS3LS-M060**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Wt.</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AS3A-M025	28	20.6	985	2.7	5.9	452	17.8	3/8
AS3A-M030	32	23.6	870	2.7	5.9	452	17.8	3/8
AS3A-M040	43	31.7	655	2.7	5.9	452	17.8	3/8
AS3A-M065	65	47.9	440	2.7	5.9	452	17.8	3/8
AS3A-M090	94	69.3	285	3.4	7.4	480	18.9	1/2
AS3A-M125	125	92.2	215	3.4	7.4	480	18.9	1/2
AS3A-M140	142	105	185	3.4	7.4	480	18.9	1/2
AS3A-M180	180	133	155	3.8	8.4	498	19.6	3/4
AS3A-M210	213	157	125	3.8	8.4	498	19.6	3/4
AS3A-M240	240	177	110	3.8	8.4	498	19.6	3/4
AS3A-M350*	375	277	70	8.0	17.6	597	23.5	3/4
AS3A-M500*	505	372	53	8.0	17.6	597	23.5	3/4

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AS3L(S)-M024	28	20.6	1035	2.5	5.5	399	15.7	2.4	5.9	457	18.0	3/8
AS3L(S)-M030	32	23.6	910	2.5	5.5	399	15.7	2.4	5.9	457	18.0	3/8
AS3L(S)-M040	43	31.7	685	2.5	5.5	399	15.7	2.4	5.9	457	18.0	3/8
AS3L(S)-M060	63	46.5	465	2.5	5.5	399	15.7	2.4	5.9	457	18.0	1/2
AS3L(S)-M090	94	69.3	300	2.8	6.2	424	16.7	3.0	6.6	483	19.0	1/2
AS3L(S)-M120	121	89.2	230	2.8	6.2	424	16.7	3.0	6.6	483	19.0	1/2
AS3L(S)-M160	161	119	175	2.8	6.2	424	16.7	3.0	6.6	483	19.0	1/2
AS3L(S)-M200	205	151	135	3.9	8.6	493	19.4	4.3	9.4	638	25.1	3/4
AS3L(S)-M350	356	263	75	4.2	9.3	518	20.4	4.6	10.1	663	26.1	3/4
AS3L(S)-M500	515	381	50	4.2	9.3	518	20.4	4.6	10.1	663	26.1	3/4
AS3L(S)-M1000	1015	749	25	8.9	19.6	620	24.4	9.9	21.7	798	21.4	1.0
AS3L(S)-M1500	1525	1125	15	9.2	20.3	645	25.4	10.2	22.4	823	32.4	1.0
AS3L(S)-M2000	2025	1493	13	9.2	20.3	645	25.4	10.2	22.4	823	32.4	1.0

Intermediate torques are available as well as angle models above 500 Nm. Ask your AAT representative



**PNEUMATIC NUTRUNNERS**

**Stall 3**

**Speed Shift**

These general purpose stall tools are intended for fixturing or hand-held applications. They use AAT's larger air motor for higher torque applications. Torque at stall is determined by air pressure. These tools contain the **Speed Shift™** for high speed operation. Optional geared reverse and reverse-only is available.



**ASD3A-M095**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>		<u>rpm</u>	<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>		<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASD3A-M095	95	76	1035	17.0	13.0	3.6	7.9	526	20.4	1/2
ASD3A-M125	125	92	1035	17.0	13.0	3.6	7.9	526	20.4	1/2
ASD3A-M185	188	138	690	26.0	19.0	4.0	8.9	544	21.4	3/4
ASD3A-M240	240	177	535	33.0	24.0	4.0	8.9	544	21.4	3/4
ASD3A-M325*	337	249	325	54.0	39.0	6.4	14.0	615	24.2	3/4
ASD3A-M500*	500	369	250	69.0	51.0	8.2	18.0	625	24.6	3/4
ASD3A-M650*	650	480	245	72.0	53.0	11.4	25.0	688	27.1	3/4
ASD3A-M900*	900	664	175	99.0	73.0	15.0	32.9	836	28.1	1.0
ASD3A-M1300*	1300	958	125	145	107	15.0	32.9	836	28.1	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Fixed Spindle (L) Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Sliding Spindle (LS) Length</u>		<u>Sq</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASD3L(S)-M095	95	70	1035	17.0	12.5	3.0	6.7	470	18.5	3.2	7.1	528	20.8	1/2
ASD3L(S)-M125	125	92	105	17.0	12.5	3.0	6.7	470	18.5	3.2	7.1	528	20.8	1/2
ASD3L(S)-M160	160	118	805	22.0	16.2	3.0	6.7	470	18.5	3.2	7.1	528	20.8	1/2
ASD3L(S)-M250	250	184	630	28.0	20.6	4.1	9.1	539	21.2	4.5	9.9	683	26.9	3/4
ASD3L(S)-M350	355	263	295	57.0	42.0	4.5	9.8	564	22.2	4.8	10.6	709	27.9	3/4
ASD3L(S)-M475	475	350	265	64.0	47.2	4.5	9.8	564	22.2	4.8	10.6	709	27.9	3/4
ASD3L(S)-M750	750	553	205	82.0	60.5	9.1	20.0	666	26.2	10.1	22.1	843	33.2	3/4
ASD3L(S)-M1000	1015	749	205	82.0	60.5	9.1	20.0	666	26.2	10.1	22.1	843	33.2	1.0
ASD3L(S)-M1550	1575	1164	75	215	159	9.4	20.7	691	27.2	10.4	22.8	869	34.2	1.0
ASD3L(S)-M2000	2000	1475	60	274	202	9.4	20.7	691	27.2	10.4	22.8	869	34.2	1.0

Intermediate torques are available. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**Double Speed Shift Stall 3**

These general purpose stall tools are intended for fixturing or hand-held applications. They use AAT's larger air motor for higher torque applications. Torque at stall is determined by air pressure. These tools contain the **Speed Shift™** for high speed operation. Optional geared reverse and reverse-only is available.



**ASDD3L-M350**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASDD3A-M325*	325	240	1125	16.0	11.0	6.6	14.5	660	26.0	3/4
ASDD3A-M500*	500	369	980	18.0	13.0	8.4	18.5	671	26.4	3/4
ASDD3A-M1350*	1350	1000	225	74.0	55.0	15.2	33.4	760	29.9	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Fixed Spindle (L) Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Sliding Spindle (LS) Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
ASDD3L(S)-M350	350	258	1035	16.4	12.1	4.7	10.3	610	24.0	5.0	11.1	754	29.7	3/4
ASDD3L(S)-M500	500	369	805	21.0	15.4	4.7	10.3	610	24.0	5.0	11.1	754	29.7	3/4
ASDD3L(S)-M1175	1175	867	260	61.0	46.0	9.4	20.9	737	29.0	10.5	23.0	914	36.0	1.0
ASDD3L(S)-M1525	1525	1125	260	61.0	46.0	9.4	20.9	737	29.0	10.5	23.0	914	36.0	1.0
ASDD3L(S)-M2000	2000	1475	230	69.0	51.0	9.4	20.9	737	29.0	10.5	23.0	914	36.0	1.0

Intermediate torques are available. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**PAC 2**

These general purpose air shut-off tools are intended for hand-held and fixtured applications. The tools shut off as the air motor approaches a stall condition to alert the operator that the fastening is complete. They use the smaller size 2 air motor and are generally intended for lower torque applications. Reverse is available.



**AP2A-M040**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Wt.</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AP2A-M010	10	7.4	1575	1.5	3.4	333	13.1	3/8
AP2A-M020	23	17.0	710	1.5	3.4	333	13.1	3/8
AP2A-M030	34	25.1	440	1.7	4.0	356	14.0	1/2
AP2A-M040	39	29.5	390	1.7	4.0	356	14.0	1/2
AP2A-M050	50	38.3	300	1.7	4.0	356	14.0	1/2
AP2A-M060	64	47.2	240	1.7	4.0	356	14.0	1/2
AP2A-M085	85	63.0	180	2.4	5.3	414	16.3	1/2
AP2A-M125	125	92.0	130	2.4	5.3	414	16.3	1/2
AP2A-M180	180	133	85	3.0	6.6	432	17.0	3/4
AP2A-M240	240	177	65	3.0	6.6	432	17.0	3/4

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Kg</u>	<u>lb-ft</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AP2L(S)-M010	10	7.4	1600	1.1	2.5	302	11.9	1.3	2.8	351	13.8	3/8
AP2L(S)-M020	23	17.0	725	1.1	2.5	302	11.9	1.3	2.8	351	13.8	3/8
AP2L(S)-M030	34	25.1	460	1.3	2.9	325	12.8	1.5	3.2	373	14.7	3/8
AP2L(S)-M040	40	29.5	410	1.3	2.9	325	12.8	1.5	3.2	373	14.7	3/8
AP2L(S)-M050	52	38.4	305	1.3	2.9	325	12.8	1.5	3.2	373	14.7	1/2
AP2L(S)-M060	64	47.2	250	1.3	2.9	325	12.8	1.5	3.2	373	14.7	1/2
AP2L(S)-M080	87	64.2	185	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2
AP2L(S)-M100	105	77.4	150	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2
AP2L(S)-M140	140	103	110	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2
AP2L(S)-M160	160	120	95	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2

Intermediate torques are available as well as angle models above 240 Nm and in-line models above 160 Nm. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**Speed Shift PAC 2**

These general purpose air shut-off tools are intended for hand-held and fixtured applications. The tools shut off as the air motor approaches a stall condition to alert the operator that the fastening is complete. They use the smaller size 2 air motor but by virtue of the **Speed Shift™** device can still be used for high torque applications without sacrificing speed. They are smaller, lighter and faster than conventional tools of the same torque range. Optional geared reverse is available for higher torque tools.



**APD2A-M125**

**ANGLE TOOLS**

Model	Torque			Shift Torque		Weight		Length		Sq Dr
	Nm	lb-ft	rpm	Nm	lb-ft	Kg	lbs	mm	inch	
APD2A-M025	26	19.2	4950	2.0	1.5	2.0	4.3	373	14.3	3/8
APD3A-M030	34	25.0	1540	6.0	4.4	2.2	4.7	395	15.2	3/8
APD2A-M040	39	28.8	1540	6.0	4.4	2.2	4.7	395	15.2	1/2
APD2A-M060	64	47.2	1360	7.0	5.2	2.2	4.7	395	15.2	1/2
APD2A-M085	85	62.4	825	12.0	8.8	2.8	5.9	453	17.8	1/2
APD2A-M125	125	92.2	910	10.0	7.4	2.8	5.9	453	17.8	1/2
APD2A-M140	140	103	825	12.0	8.8	2.8	5.9	453	17.8	1/2
APD2A-M185	185	136	625	15.0	11.1	3.1	6.8	475	18.7	3/4
APD2A-M240	240	177	550	18.0	13.3	3.1	6.8	475	18.7	3/4
APD2A-M350*	365	269	320	28.0	20.7	7.1	15.7	574	22.6	3/4
APD2A-M500*	500	369	260	38.0	28.0	7.1	15.7	574	22.6	3/4

\* flat angle head

**IN-LINE TOOLS**

Model	Torque			Shift Torque		Fixed Spindle (L)				Sliding Spindle (LS)				Sq Dr
	Nm	lb-ft	rpm	Nm	lb-ft	Weight	Length	Weight	Length	Weight	Length	Weight	Length	
	Nm	lb-ft	rpm	Nm	lb-ft	Kg	lbs	mm	inch	Kg	lbs	mm	inch	
APD2L(S)-M025	26	19.2	4900	2.0	1.5	1.5	3.5	315	12.4	1.7	3.8	366	14.4	3/8
APD2L(S)-M030	34	25.2	1600	6.0	4.4	1.8	3.9	338	13.3	1.9	4.2	389	15.3	3/8
APD2L(S)-M040	39	28.8	1600	6.0	4.4	1.8	3.9	338	13.3	1.9	4.2	389	15.3	1/2
APD2L(S)-M060	64	47.2	1425	7.0	5.2	1.8	3.9	338	13.3	1.9	4.2	389	15.3	1/2
APD2L(S)-M100	102	75.2	1215	8.0	5.9	2.2	5.0	399	15.7	2.4	5.4	457	18.0	1/2
APD2L(S)-M140	140	103	985	10.0	7.4	2.2	5.0	399	15.7	2.4	5.4	457	18.0	1/2
APD2L(S)-M200	214	158	410	24.0	17.7	3.5	8.1	493	19.4	4.1	9.0	638	25.1	3/4
APD2L(S)-M350	350	258	250	39.0	28.8	3.5	8.1	493	19.4	4.1	9.0	638	25.1	3/4
APD2L(S)-M500	500	369	220	44.0	32.5	3.5	8.1	493	19.4	4.1	9.0	638	25.1	3/4
APD2L(S)-M800	810	597	100	89.0	65.6	7.6	17.7	621	24.2	9.0	19.9	798	31.4	1.0
APD2L(S)-M1200	1243	917	90	101	74.5	7.6	17.7	621	24.2	9.0	19.9	798	31.4	1.0
APD2L(S)-M2000	2000	1475	55	165	122	7.6	17.7	621	24.2	9.0	19.9	798	31.4	1.0

Intermediate torques are available as well as angle models above 500 Nm. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**PAC 3**

These general purpose stall tools are intended for fixturing or hand-held applications. The tools shut off as the air motor approaches a stall condition to alert the operator that the fastening is complete. Torque is adjusted by changing air pressure. They use AAT's larger size 3 air motor and are generally intended for higher torque applications. Geared reverse is available.



**AP3A-M240**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Wt.</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AP3A-M025	28	20.6	985	2.7	5.9	452	17.8	3/8
AP3A-M040	43	31.7	650	2.7	5.9	452	17.8	1/2
AP3A-M065	64	47.2	440	3.0	6.6	452	17.8	1/2
AP3A-M095	94	69.3	285	3.4	7.5	480	18.9	1/2
AP3A-M140	142	105	185	3.4	7.5	480	18.9	1/2
AP3A-M180	180	134	150	3.8	8.4	498	19.6	3/4
AP3A-M240	240	178	110	3.8	8.4	498	19.6	3/4
AP3A-M335	335	249	80	8.0	17.6	597	23.5	3/4
AP3A-M400	403	297	70	7.0	15.4	520	20.5	3/4
AP3A-M500*	500	369	53	8.0	17.6	597	23.5	3/4
AP3A-M680*	680	515	35	11.6	25.5	635	25.0	3/4

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AP3L(S)-M025	28	21.0	1035	2.5	5.5	399	15.7	2.7	5.9	457	18.0	3/8
AP3L(S)-M045	46	34.0	630	2.5	5.5	399	15.7	2.7	5.9	457	18.0	1/2
AP3L(S)-M060	63	46.0	465	2.5	5.5	399	15.7	2.7	5.9	457	18.0	1/2
AP3L(S)-M095	94	69.0	300	2.8	6.2	424	16.7	3.0	6.6	483	19.0	1/2
AP3L(S)-M120	121	89.9	230	2.8	6.2	424	16.7	3.0	6.6	483	19.0	1/2
AP3L(S)-M160	161	119	175	2.8	6.2	424	16.7	3.0	6.6	483	19.0	1/2
AP3L(S)-M250	254	187	110	3.9	8.6	493	19.4	4.3	9.4	638	25.1	3/4
AP3L(S)-M350	356	262	75	4.2	9.3	518	20.4	4.6	10.1	663	26.1	3/4
AP3L(S)-M500	515	380	50	4.2	9.3	518	20.4	4.6	10.1	663	26.1	3/4
AP3L(S)-M750	751	554	36	8.9	19.6	620	24.4	9.2	21.7	498	31.4	3/4
AP3L(S)-M1000	1015	749	26	8.9	19.6	620	24.4	9.2	21.7	498	31.4	1.0
AP3L(S)-M1500	1526	1125	27	9.2	20.3	645	25.4	10.2	22.4	823	32.4	1.0
AP3L(S)-M2000	2000	1475	12	9.2	20.3	645	25.4	10.2	22.4	823	32.4	1.0

Intermediate torques are available as well as angle models above 680 Nm. Ask you AAT representative



**PNEUMATIC NUTRUNNERS**

**Speed Shift PAC 3**

These general purpose stall tools are intended for fixturing or hand-held applications. They use AAT's larger air motor for higher torque applications. Torque at stall is determined by air pressure. These tools contain the **Speed Shift™** for high speed operation. Optional geared reverse and reverse-only is available.



**APD3LS-R160**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
APD3A-M095	95	70	1035	17	13	3.0	6.7	470	18.5	1/2
APD3A-M125	125	92	1035	17	13	3.0	6.7	470	18.5	1/2
APD3A-M185	188	138	805	22	16	4.0	8.9	544	21.4	3/4
APD3A-M240	250	184	630	26	19	4.0	8.9	544	21.4	3/4
APD3A-M325*	337	249	325	54	39	6.4	14.0	615	24.2	3/4
APD3A-M400	403	297	320	55	41	5.5	12.0	575	22.6	3/4
APD3A-M500*	500	369	250	69	51	8.2	18.0	615	24.2	3/4
APD3A-M650*	650	480	245	72	53	11.4	25.0	688	27.1	3/4
APD3A-M900*	900	664	175	99	73	15.0	32.9	714	28.1	1.0
APD3A-M1300*	1300	958	125	145	107	15.0	32.9	714	28.1	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Fixed Spindle (L) Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Sliding Spindle (LS) Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
APD3L(S)-M095	95	70	1035	17	13	2.9	6.5	442	17.4	3.1	6.8	500	19.7	1/2
APD3L(S)-M125	125	92	1035	17	13	2.9	6.5	442	17.4	3.1	6.8	500	19.7	1/2
APD3L(S)-M160	160	118	805	22	16	2.9	6.5	442	17.4	3.1	6.8	500	19.7	1/2
APD3L(S)-M250	250	184	630	28	21	4.1	9.1	511	20.1	4.5	9.9	655	25.8	3/4
APD3L(S)-M350	356	263	260	64	47	4.6	9.8	536	21.1	4.8	10.6	681	26.8	3/4
APD3L(S)-M475	475	350	260	64	47	4.6	9.8	536	21.1	4.8	10.6	681	26.8	3/4
APD3L(S)-M750	750	553	205	82	60	9.1	20.0	638	25.1	10.1	22.1	815	32.1	1.0
APD3L(S)-M1000	1015	749	205	82	60	9.1	20.0	638	25.1	10.1	22.1	815	32.1	1.0
APD3L(S)-M1550	1575	1164	75	214	158	9.4	20.7	663	26.1	10.4	22.8	841	33.1	1.0
APD3L(S)-M2000	2000	1475	59	274	202	9.4	20.7	663	26.1	10.4	22.8	841	33.1	1.0

Intermediate torques are available. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**Double Speed Shift PAC 3**

These general purpose air shut-off tools are intended for hand-held and fixtured applications. The tools shutoff as the air motor approaches a stall condition to alert the operator that the fastening is complete. Torque is adjusted by changing air pressure. These tools contain the **DOUBLE SPEED SHIFT** device for **VERY HIGH SPEED** operation. Optional geared reverse is available.



**APDD3L-M500**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lbs</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
APDD3A-M350	356	262	940	18	13	6.0	13.2	615	24.2	3/4
APDD3A-M400	404	298	805	21	15	6.0	13.2	615	24.2	3/4
APDD3A-M500*	500	369	1000	17	12	6.3	13.9	670	26.4	3/4
APDD3A-M1350*	1400	1030	235	72	53	15.2	33.4	760	30.0	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Fixed Spindle (L) Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Sliding Spindle (LS) Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>ft lb</u>	<u>rpm</u>	<u>Nm</u>	<u>ft lbs</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
APDD3L(S)-M320	320	236	1030	16	12	4.6	10.0	610	24.0	4.9	10.8	754	29.7	3/4
APDD3L(S)-M500	520	382	800	21	15	4.6	10.0	610	24.0	4.9	10.8	754	29.7	3/4
APDD3L(S)-M1175	1187	875	260	61	45	9.4	20.9	737	29.0	10.5	23.0	914	36.0	1.0
APDD3L(S)-M1500	1526	1125	260	61	45	9.4	20.9	737	29.0	10.5	23.0	914	36.0	1.0
APDD3L(S)-M2000	2025	1475	230	69	51	9.4	20.9	737	29.0	10.5	23.0	914	36.0	1.0

Intermediate torques are available. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**ACCU-BRAKE 2**

These shut-off tools contain AAT's patented Accu-Brake™ clutch and are intended for hand-held and fixtured applications. Torque is adjusted mechanically through the side of the tool with a hex key. The Accu-Brake's unique design provides for very accurate torque over a wide range of joint conditions. Variations in air pressure or lubrication do not affect torque output. These tools use AAT's smaller, size 2 air motor and are intended for lower torque applications. Reverse is available as an option.



**AC2A-M040**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Wt.</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AC2A-M010	10	7.4	1500	2.3	5.1	391	15.4	3/8
AC2A-M016	16	11.8	920	2.3	5.1	391	15.4	3/8
AC2A-M025	25	18.4	590	2.3	5.1	391	15.4	3/8
AC2A-M030	32	23.6	435	2.6	5.8	416	16.4	3/8
AC2A-M040	42	31.0	330	2.6	5.8	416	16.4	1/2
AC2A-M060	60	44.3	230	2.6	5.8	416	16.4	1/2
AC2A-M080	80	59.0	170	3.2	7.1	470	18.5	1/2
AC2A-M125	125	92.2	125	3.2	7.1	470	18.5	1/2
AC2A-M180	180	133	85	3.8	8.4	488	19.2	3/4
AC2A-M235	235	173	65	3.8	8.4	488	19.2	3/4

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		<u>Sq Dr</u>
			<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>		
AC2L(S)-M010	10	7.4	1600	1.1	2.5	302	11.9	1.3	2.8	351	13.8	3/8
AC2L(S)-M020	23	17.0	725	1.1	2.5	302	11.9	1.3	2.8	351	13.8	3/8
AC2L(S)-M030	34	25.1	460	1.3	2.9	325	12.8	1.5	3.2	373	14.7	3/8
AC2L(S)-M040	40	29.5	410	1.3	2.9	325	12.8	1.5	3.2	373	14.7	3/8
AC2L(S)-M050	52	38.4	305	1.3	2.9	325	12.8	1.5	3.2	373	14.7	1/2
AC2L(S)-M060	64	47.2	250	1.3	2.9	325	12.8	1.5	3.2	373	14.7	1/2
AC2L(S)-M080	87	64.2	185	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2
AC2L(S)-M100	105	77.4	150	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2
AC2L(S)-M140	140	103	110	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2
AC2L(S)-M160	160	120	95	2.1	4.7	422	16.6	2.2	4.8	442	17.4	1/2

Intermediate torques are available as well as angle models above 235 Nm and in-line models above 160 Nm. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**ACCU-BRAKE 3**

These shut-off tools contain AAT's patented Accu-Brake™ clutch and are intended for hand-held and fixtured applications. These tools use AAT's larger size 3 air motor and are generally intended for higher torque applications. Torque is adjusted mechanically through the side of the tool with a hex key. The Accu-Brake's unique design provides for very accurate torque over a wide range of joint conditions. Variations in air pressure or lubrication do not affect torque output. Geared reverse is available.



**AC3LS-R085**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Wt.</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AC3A-M025	27	19.9	1100	3.8	8.4	521	20.5	3/8
AC3A-M035	35	25.8	825	3.8	8.4	521	20.5	3/8
AC3A-M045	45	33.2	670	3.8	8.4	521	20.5	3/8
AC3A-M055	59	43.5	490	3.8	8.4	521	20.5	1/2
AC3A-M085	88	64.9	305	4.5	9.9	546	21.5	1/2
AC3A-M115	118	87.0	230	4.5	9.9	546	21.5	1/2
AC3A-M140	143	105	185	4.5	9.9	546	21.5	1/2
AC3A-M170	177	130	150	4.9	10.8	559	22.0	3/4
AC3A-M210	214	158	120	4.9	10.8	559	22.0	3/4
AC3A-M240	245	180	105	4.9	10.8	559	22.0	3/4
AC3A-M400	400	295	65	6.8	15.0	584	23.0	3/4
AC3A-M500	500	369	51	9.1	20.0	658	25.9	3/4

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AC3L(S)-M025	27	19.9	910	3.6	7.9	488	19.2	3.8	8.3	533	21.0	3/8
AC3L(S)-M035	35	25.8	805	3.6	7.9	488	19.2	3.8	8.3	533	21.0	3/8
AC3L(S)-M045	45	33.2	555	3.6	7.9	488	19.2	3.8	8.3	533	21.0	3/8
AC3L(S)-M055	57	42.0	425	3.6	7.9	488	19.2	3.8	8.3	533	21.0	3/8
AC3L(S)-M085	88	64.9	300	3.9	8.6	513	20.2	4.1	9.0	559	22.0	1/2
AC3L(S)-M115	118	87.0	230	3.9	8.6	513	20.2	4.1	9.0	559	22.0	1/2
AC3L(S)-M140	143	105	165	3.9	8.6	513	20.2	4.1	9.0	559	22.0	1/2
AC3L(S)-M160	160	120	140	3.9	8.6	513	20.2	4.1	9.0	559	22.0	1/2
AC3L(S)-M300	325	240	85	5.3	11.7	607	23.9	5.7	11.7	752	29.6	3/4
AC3L(S)-M500	500	369	50	5.3	11.7	607	23.9	5.7	11.7	752	29.6	3/4
AC3L(S)-M800	845	623	33	8.3	18.2	668	26.3	10.3	22.8	886	34.9	1.0
AC3L(S)-M1200	1269	935	20	9.7	21.3	734	28.9	10.7	23.5	912	35.9	1.0
AC3L(S)-M1400	1438	1060	15	9.7	21.3	734	28.9	10.7	23.5	912	35.9	1.0
AC3L(S)-M1800	1800	1325	12	9.7	21.3	734	28.9	10.7	23.5	912	35.9	1.0

Intermediate torques are available as well as angle models above 500 Nm. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**ACCU-TROL 2**

Accu-trol nutrunners contain internal torque transducers and optional angle encoders that are monitored by an external torque and angle controller. Fastening conditions are programmed into the controller. The controller shuts off the tool with an internal solenoid valve when the fastening is complete. Fastening results are displayed at the controller and stored in memory. These tools are intended for hand-held and fixtured applications. They use the smaller, size 2 air motor and are generally intended for lower torque uses. These tools are more accurate and versatile than any other type of pneumatic nutrunner. Reverse is available



**AX2L-M040T**

**ANGLE TOOLS**

Model	Torque		rpm	Wt.		Length		Sq Dr
	Nm	lb-ft		Kg	lbs	mm	in	
AX2A-M020T	20	14.7	685	2.0	4.3	363	14.3	3/8
AX2A-M040T	40	29.4	340	2.1	4.7	386	15.2	1/2
AX2A-M060T	60	44.2	235	2.1	4.7	386	15.2	1/2
AX2A-M080T	80	59.0	175	2.8	6.1	475	18.7	1/2
AX2A-M125T	125	92.2	105	2.8	6.1	475	18.7	1/2
AX2A-M180T	180	133	80	3.4	7.4	493	19.4	3/4
AX2A-M240T	240	177	55	3.4	7.4	493	19.4	3/4

**IN-LINE TOOLS**

Model	Torque			Fixed Spindle (L)				Sliding Spindle(LS)				Sq Dr
	Nm	lb-ft	rpm	Wt.		Length		Wt.		Length		
				Kg	lbs	mm	in	Kg	lbs	mm	in	
AX2L(S)-M020T	20	14.7	725	1.6	3.4	332	13.1	1.7	3.7	396	15.6	3/8
AX2L(S)-M040T	40	29.4	360	1.7	3.6	356	14.0	1.9	4.1	404	15.9	1/2
AX2L(S)-M060T	60	44.2	250	1.7	3.6	356	14.0	1.9	4.1	404	15.9	1/2
AX2L(S)-M080T	80	59.0	185	1.7	3.6	356	14.0	1.9	4.1	404	15.9	1/2
AX2L(S)-M125T	125	92.2	110	2.4	5.4	396	15.6	2.6	5.7	450	17.7	1/2

Intermediate torques are available as well as angle models above 240 and in-line models above 160 in-lines. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**Speed Shift ACCU-TROL 2**

Accu-trol nutrunners contain internal torque transducers and optional angle encoders that are monitored by an external torque and angle controller. Fastening conditions are programmed into the controller. The controller shuts off the tool with the tool's internal solenoid valve when the fastening is complete. Fastening results are displayed at the controller and stored in memory. These tools are intended for hand-held and fixtured applications. These tools have the patented Speed Shift™ device and are much faster than conventional tools of the same size. They use the smaller size 2 air motor but by virtue of the Speed Shift can be used for high torque applications. These tools are more accurate and versatile than any other type of pneumatic nutrunner.



**AXD2L-M060T**

**ANGLE TOOLS**

<u>Model</u>	<b>Torque</b>		<b>Shift</b>		<b>Torque</b>		<b>Weight</b>		<b>Length</b>		
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Sq Dr</u>	
AXD2A-M030T	33	24.3	1600	2.0	1.5	2.6	5.8	483	19.0	3/8	
AXD2A-M040T	43	31.7	1425	7.0	5.2	2.6	5.8	483	19.0	1/2	
AXD2A-M060T	64	47.2	1425	7.0	5.2	2.6	5.8	483	19.0	1/2	
AXD2A-M100T	100	73.7	1425	7.0	5.2	3.4	7.4	531	20.9	1/2	
AXD2A-M125T	125	92.2	985	10	7.4	3.4	7.4	531	20.9	1/2	
AXD2A-M150T	155	114	575	18	13.3	4.0	8.9	549	21.4	1/2	
AXD2A-M210T	214	158	575	18	13.3	4.0	8.9	549	21.4	3/4	
AXD2A-M240T	252	186	240	40	29.5	4.2	9.3	569	22.4	3/4	
AXD2A-M300T	304	224	230	42	31.0	7.2	15.8	755	29.7	3/4	
AXD2A-M400T	404	298	175	54	39.8	7.2	15.8	755	29.7	3/4	

**IN-LINE TOOLS**

<u>Model</u>	<b>Torque</b>		<b>Shift</b>		<b>Fixed Spindle (L)</b>		<b>Sliding Spindle (LS)</b>		<b>Weight</b>		<b>Length</b>		<u>Sq Dr</u>	
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>		<u>inch</u>
AXD2L(S)-M030T	30	22.1	1600	6.0	4.4	2.5	5.5	452	17.8	2.6	5.8	500	19.7	3/8
AXD2L(S)-M040T	40	29.5	1425	7.0	5.2	2.5	5.5	452	17.8	2.6	5.8	500	19.7	1/2
AXD2L(S)-M060T	60	44.2	1425	7.0	5.2	2.5	5.5	452	17.8	2.6	5.8	500	19.7	1/2
AXD2L(S)-M080T	80	59.0	1070	9	6.6	3.7	8.2	561	22.1	3.9	8.6	620	24.4	1/2
AXD2L(S)-M100T	100	73.7	865	12	8.8	3.7	8.2	561	22.1	3.9	8.6	620	24.4	1/2
AXD2L(S)-M130T	130	95.9	865	12	8.8	3.7	8.2	561	22.1	3.9	8.6	620	24.4	1/2
AXD2L(S)-M160T	160	118	360	27	19.9	3.7	8.2	561	22.1	3.9	8.6	620	24.4	1/2
AXD2L(S)-M200T	200	147	410	24	17.7	5.1	11.3	655	25.8	5.6	12.2	800	31.5	3/4
AXD2L(S)-M300T	300	221	270	36	25.8	5.1	11.3	655	25.8	5.6	12.2	800	31.5	3/4
AXD2L(S)-M500T	500	369	220	44	32.4	5.1	11.3	655	25.8	5.6	12.2	800	31.5	3/4
AXD2L(S)-M1000T	1000	737	100	89	65.6	9.5	20.9	782	30.8	10.5	23.1	960	37.8	1.0

Intermediate torques are available as well as angle models above 400 Nm. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**ACCU-TROL 3**

Accu-trol nutrunners contain internal torque transducers and optional angle encoders that are monitored by an external torque and angle controller. Fastening conditions are programmed into the controller. The controller shuts off the tool with an internal solenoid valve when the fastening is complete. Fastening results are displayed at the controller and stored in memory. These tools are intended for hand-held and fixtured applications. They use the larger, size 3 air motor and are generally intended for higher torque uses. Geared reverse is available. These tools are more accurate and versatile than any other type of pneumatic nutrunner.



**AX3A-M065T**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>rpm</u>	<u>Wt.</u>		<u>Length</u>	
	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>		<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Sq Dr</u>
AX3A-M030T	30	22.1	3.8	760	9.0	544	21.4	3/8
AX3A-M040T	40	29.5	3.8	650	9.0	544	21.4	1/2
AX3A-M065T	65	47.9	3.8	390	9.0	544	21.4	1/2
AX3A-M100T	100	73.8	4.4	250	9.8	569	22.4	1/2
AX3A-M130T	130	95.9	4.4	195	9.8	569	22.4	1/2
AX3A-M170T	170	125	4.9	145	10.7	582	22.9	3/4
AX3A-M210T	210	155	4.9	115	10.7	582	22.9	3/4
AX3A-M240T	240	177	4.9	100	10.7	582	22.9	3/4
AX3A-M400T	400	295	6.7	70	14.8	721	28.4	3/4
AX3A-M500T*	500	369	8.9	50	19.6	681	26.8	3/4

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
AX3L(S)-M030T	30	22.1	800	3.5	7.7	518	20.4	3.7	8.1	564	22.2	3/8
AX3L(S)-M045T	45	33.2	555	3.5	7.7	518	20.4	3.7	8.1	564	22.2	1/2
AX3L(S)-M065T	65	47.9	410	3.5	7.7	518	20.4	3.7	8.1	564	22.2	1/2
AX3L(S)-M100T	100	73.6	260	3.8	8.4	536	21.1	4.0	8.8	589	23.2	1/2
AX3L(S)-M160T	160	118	160	3.8	8.4	536	21.1	4.0	8.8	589	23.2	1/2
AX3L(S)-M250T	250	184	105	4.9	10.8	612	24.1	5.3	11.7	757	29.8	3/4
AX3L(S)-M320T	320	236	75	4.9	10.8	612	24.1	5.3	11.7	757	29.8	3/4
AX3L(S)-M500T	500	369	50	4.9	10.8	612	24.1	5.3	11.7	757	29.8	3/4
AX3L(S)-M750T	750	553	35	9.3	20.4	739	29.1	10.3	22.6	917	36.1	1.0
AX3L(S)-M1000T	1000	737	25	9.3	20.4	739	29.1	10.3	22.6	917	36.1	1.0
AX3L(S)-M1500T	1500	1106	15	9.3	20.4	739	29.1	10.3	22.6	917	36.1	1.0

Intermediate torques are available as well as angle models above 500 Nm and in-line models above 1500 Nm. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**Speed Shift ACCU-TROL 3**

Accu-trol nutrunners contain internal torque transducers and optional angle encoders that are monitored by an external torque and angle controller. Fastening conditions are programmed into the controller. The controller shuts off the tool with the tool's internal solenoid valve when the fastening is complete. Fastening results are displayed at the controller and stored in memory. These tools are intended for hand-held and fixtured applications. These tools have the patented Speed Shift™ device and are much faster than conventional tools of the same size. They use the larger size 3 air motor and are intended for high speed, high torque applications. Geared reverse is available. These tools are more accurate and versatile than any other type of pneumatic nutrunner.



**AXD3L-M320T**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
AXD3A-M100T	100	73.8	980	17	12.5	3.7	8.2	500	19.7	1/2
AXD3A-M140T	140	103	870	17	12.5	3.7	8.5	500	19.7	1/2
AXD3A-M180T	180	133	650	25	18.4	4.9	10.7	627	24.7	3/4
AXD3A-M240T	240	177	580	29	21.4	4.9	10.7	627	24.7	3/4
AXD3A-M400T	400	295	500	33	24.3	7.0	15.4	698	27.5	3/4
AXD3A-M500T*	500	369	280	60	44.3	9.3	20.4	716	28.2	3/4
AXD3A-M680T*	680	500	275	63	46.5	11.1	24.3	780	30.7	3/4
AXD3A-M1000T*	1000	737	200	86	63.4	14.6	32.2	805	31.7	1.0
AXD3A-M1350T*	1350	1000	140	126	92.9	14.6	32.2	805	31.7	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Length</u>		<u>Sliding spindle (LS) Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
AXD3L(S)-M100T	100	73.8	980	17	12.5	3.7	8.2	462	18.2	6.9	8.6	500	19.7	1/2
AXD3L(S)-M140T	140	103	870	22	16.2	3.7	8.2	462	18.2	6.9	8.6	500	19.7	1/2
AXD3L(S)-M200T	200	147	630	28	20.7	5.4	12.0	594	23.4	6.5	14.2	658	25.9	3/4
AXD3L(S)-M320T	320	236	260	64	47.2	5.7	12.5	607	23.9	6.7	14.7	670	26.4	3/4
AXD3L(S)-M500T	500	369	205	82	60.5	5.7	12.5	607	23.9	6.7	14.7	670	26.4	3/4
AXD3L(S)-M750T	750	553	260	64	47.2	10.5	23.1	709	27.9	12.5	27.4	782	30.8	1.0
AXD3L(S)-M1000T	1000	737	140	119	87.8	10.5	23.1	709	27.9	12.5	27.4	782	30.8	1.0
AXD3L(S)-M1500T	1500	1106	75	214	158	10.7	23.6	721	28.4	12.7	27.9	808	31.8	1.0
AXD3L(S)-M2000T	2000	1475	60	274	202	10.7	23.6	721	28.4	12.7	27.9	808	31.8	1.0

Intermediate torques are available. Ask your AAT representative.



**PNEUMATIC NUTRUNNERS**

**Double Speed Shift ACCU-TROL 3**

Accu-trol nutrunners contain internal torque transducers and optional angle encoders that are monitored by an external torque and angle controller. Fastening conditions are programmed into the controller. The controller shuts off the tool with the tool's internal solenoid valve when the fastening is complete. Fastening results are displayed at the controller and stored in memory. These tools are intended for hand-held and fixtured applications. These tools have the patented **Double Speed Shift™** device. They use the larger size 3 air motor and are intended for **VERY HIGH SPEED, HIGH TORQUE** applications. Geared reverse is available. These tools are more accurate and versatile than any other type of pneumatic nutrunner.



**AXDD3L-M400T**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
AXDD3A-M400T*	400	295	1035	13	9.6	9.1	20.7	726	28.6	3/4
AXDD3A-M680T*	680	500	450	18	13.3	11.2	24.6	790	31.1	3/4
AXDD3A-M1350T*	1350	1000	230	35	25.8	14.8	32.5	815	32.1	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Fixed Spindle (L) Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Sliding Spindle (LS) Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
AXDD3L(S)-M350T	350	258	805	21	15.5	5.8	12.8	617	24.3	6.8	15.0	630	24.8	3/4
AXDD3L(S)-M500T	500	369	805	21	15.5	5.8	12.8	617	24.3	6.8	15.0	630	24.8	3/4
AXDD3L(S)-M1100T	1100	811	265	62	45.7	10.9	23.9	732	28.8	12.8	28.2	894	35.2	1.0
AXDD3L(S)-M1500T	1500	1106	265	62	45.7	10.9	23.9	732	28.8	12.8	28.2	894	35.2	1.0
AXDD3L(S)-M2000T	2000	1475	205	79	58.3	10.9	23.9	732	28.8	12.8	28.2	894	35.2	1.0

Intermediate torques are available. Ask your AAT representative



**ELECTRIC NUTRUNNERS**

**ACCU-TROL 2**

Accu-trol electric nutrunners contain internal torque transducers and optional angle encoders that are monitored by an external torque and angle controller. Fastening conditions including run speed and final tightening speed are programmed into the controller. The controller shuts off the tool when the fastening is complete. Fastening results are displayed at the controller and stored in memory. These tools are intended for hand-held and fixtured applications. They use the smaller, size-2 electric motor and are generally intended for lower torque uses. Accu-trol electric tools are more accurate and versatile than any other type of geared nutrunner. Reverse is available

PICTURE COMING SOON

EX2A-M080

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Wt.</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
EX2A-M010T	10	7.7	1240	2.3	5.0	419	16.5	3/8
EX2A-M020T	20	14.8	550	2.3	5.0	419	16.5	3/8
EX2A-M030T	30	22.1	355	2.5	5.4	445	17.5	3/8
EX2A-M040T	40	29.5	275	2.5	5.4	445	17.5	1/2
EX2A-M060T	60	44.3	190	2.5	5.4	445	17.5	1/2
EX2A-M080T	80	59.0	140	3.5	7.7	483	19.0	1/2
EX2A-M115T	115	84.8	120	3.5	7.7	483	19.0	1/2

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Wt.</u>		<u>Length</u>		<u>Wt.</u>		<u>Length</u>		
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>in</u>	
EX2L(S)-M010T	10	7.4	1300	2.0	4.4	394	15.5	2.1	4.6	440	17.3	3/8
EX2L(S)-M020T	21	15.5	580	2.0	4.4	394	15.5	2.1	4.6	440	17.3	3/8
EX2L(S)-M030T	32	23.6	375	2.2	4.8	419	16.5	2.3	5.0	465	18.3	3/8
EX2L(S)-M040T	41	30.2	300	2.2	4.8	419	16.5	2.3	5.0	465	18.3	1/2
EX2L(S)-M060T	60	44.3	200	2.2	4.8	419	16.5	2.3	5.0	465	18.3	1/2
EX2L(S)-M080T	80	59.0	150	2.9	6.3	452	17.8	3.0	6.7	508	20.0	1/2
EX2L(S)-M115T	115	84.8	120	2.9	6.3	452	17.8	3.0	6.7	508	20.0	1/2

Intermediate torques are available as well as models above 115 Nm.



**ELECTRIC NUTRUNNERS**

**Speed Shift ACCU-TROL 2**

Accu-trol electric nutrunners contain internal torque transducers and optional angle encoders that are monitored by an external torque and angle controller. Fastening conditions including run speed and final tightening speed are programmed into the controller. The controller shuts the tool off when the fastening is complete. Fastening results are displayed at the controller and stored in memory. These tools are intended for hand-held and fixtured applications. These tools have the patented Speed Shift™ device and are much faster than conventional tools of the same size. They use the smaller size-2 electric motor but by virtue of the Speed Shift can be used for high torque applications. Accu-trol electric tools are more accurate and versatile than any other type of geared nutrunner. Reverse is not available.



PICTURE COMING SOON

**EXD2A-M125T**



**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>			<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>		
EXD2A-M030T	32	23.6	1235	8.0	5.9	2.9	6.3	516	20.3	3/8	
EXD2A-M040T	41	30.2	1090	9.0	6.6	2.9	6.3	516	20.6	1/2	
EXD2A-M060T	59	43.5	1090	9.0	6.6	2.9	6.3	516	20.8	1/2	
EXD2A-M080T	80	59.0	1090	9.0	6.6	3.8	8.3	546	21.5	1/2	
EXD2A-M100T	108	79.7	930	10.0	7.4	3.8	8.3	546	21.5	1/2	
EXD2A-M125T	125	92.2	750	13.0	9.6	3.8	8.3	546	21.5	1/2	
EXD2A-M140T	140	103	620	15.0	11.1	4.2	9.2	559	22.0	1/2	
EXD2A-M190T	190	140	500	20.0	14.8	4.2	9.2	559	22.0	3/4	
EXD2A-M240T	240	177	210	43.0	31.7	4.5	9.9	584	23.0	3/4	
EXD2A-M400T	400	295	165	58.0	47.8	6.6	15.6	655	25.8	3/4	

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L)</u>				<u>Sliding Spindle (LS)</u>				<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
EXD2L(S)-M030T	30	22.1	1300	8.0	5.9	2.4	5.0	483	19.0	2.5	5.6	528	20.8	3/8
EXD2L(S)-M040T	40	29.5	1150	9.0	6.6	2.4	5.0	483	19.0	2.5	5.6	528	20.8	1/2
EXD2L(S)-M060T	60	44.3	1150	9.0	6.6	2.4	5.0	483	19.0	2.5	5.6	528	20.8	1/2
EXD2L(S)-M080T	80	59.0	1150	9.0	6.6	3.1	6.9	516	20.3	3.3	7.3	572	22.5	1/2
EXD2L(S)-M115T	115	84.8	795	13.0	9.6	3.1	6.9	516	20.3	3.3	7.3	572	22.5	1/2
EXD2L(S)-M150T	150	111	330	29.0	21.4	3.5	8.0	541	21.3	3.7	8.2	597	23.5	1/2
EXD2L(S)-M200T	200	147	250	39.0	28.8	4.6	10.0	607	23.9	5.0	11.0	752	29.6	3/4
EXD2L(S)-M300T	300	221	290	33.0	24.3	4.6	10.0	607	23.9	5.0	11.0	752	29.6	3/4
EXD2L(S)-M400T	400	295	200	48.0	35.4	4.6	10.0	607	23.9	5.0	11.0	752	29.6	3/4
EXD2L(S)-M500T	500	369	200	48.0	35.4	4.6	10.0	607	23.9	5.0	11.0	752	29.6	3/4

Intermediate torques are available as well as angle models above 400 Nm. and in-line models above 500 Nm. Ask your AAT representative.



**ELECTRIC NUTRUNNERS**

**Speed Shift ACCU-TROL 3**

Accu-trol electric nutrunners contain internal torque transducers and optional angle encoders that are monitored by an external torque and angle controller. Fastening conditions including run speed and final tightening speed are programmed into the controller. The controller shuts off the tool when the fastening is complete. Fastening results are displayed at the controller and stored in memory. These tools are intended for hand-held and fixtured applications. These tools have the patented Speed Shift™ device and are much faster than conventional tools of the same size. They use the larger size-3 electric motor and are intended for high speed, high torque applications. Geared reverse is available. Accu-trol electric tools are more accurate and versatile than any other type of geared nutrunner.



**EXD3HA-M1100TA**

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>		<u>rpm</u>	<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		
	<u>Nm</u>	<u>lb-ft</u>		<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Sq Dr</u>
EXD3HA-M100T	105	77	1215	15	11.1	6.0	13.2	594	23.4	1/2
EXD3HA-M130T	130	95	1215	15	11.1	6.0	13.2	594	23.4	1/2
EXD3HA-M150T	158	117	810	23	17.0	6.1	13.5	607	23.9	3/4
EXD3HA-M225T	228	168	690	27	19.9	6.1	13.5	607	23.9	3/4
EXD3HA-M325T	325	240	490	38	28.0	9.5	20.8	683	26.9	3/4
EXD3HA-M400T	400	295	240	78	57.5	9.5	20.8	683	26.9	3/4
EXD3HA-M485T*	485	358	450	42	31.0	10.6	23.3	696	27.4	3/4
EXD3HA-M680T*	380	500	185	102	75.2	11.0	24.2	759	29.9	3/4
EXD3HA-M1100T*	1140	841	195	99	73.0	16.0	35.1	785	30.9	1.0
EXD3HA-M1350T*	1350	1000	82	230	170	16.0	35.1	785	30.9	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Fixed Spindle (L) Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Sliding Spindle (LS) Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
EXD3HL(S)-M080T	80	59	1455	13	10	5.4	11.9	541	21.3	5.8	12.7	604	23.8	1/2
EXD3HL(S)-M120T	12	90	1095	18	13	5.4	11.9	541	21.3	5.8	12.7	604	23.8	1/2
EXD3HL(S)-M155T	155	114	1455	13	10	5.4	11.9	541	21.3	5.8	12.7	604	23.8	1/2
EXD3HL(S)-M300T	300	221	370	51	38	7.5	16.5	625	24.6	8.7	19.2	787	31.0	3/4
EXD3HL(S)-M400T	411	303	315	59	44	7.5	16.5	625	24.6	8.7	19.2	787	31.0	3/4
EXD3HL(S)-M490T	490	361	325	57	42	7.5	16.5	625	24.6	8.7	19.2	787	31.0	3/4
EXD3HL(S)-M700T	711	524	225	83	61	12.5	27.4	792	31.2	14.6	32.2	886	34.9	1.0
EXD3HL(S)-M1000T	1000	737	105	169	125	12.7	27.9	810	31.9	14.9	32.7	904	35.6	1.0
EXD3HL(S)-M1500T	1500	1106	83	217	160	12.7	27.9	810	31.9	14.9	32.7	904	35.6	1.0
EXD3HL(S)-M2000T	2000	1475	70	254	173	12.7	27.9	810	31.9	14.9	32.7	904	35.6	1.0

Intermediate torques are available. Ask your AAT representative.



**ELECTRIC NUTRUNNERS**

**Double Speed Shift ACCU-TROL 3**

Accu-trol electric nutrunners contain internal torque transducers and optional angle encoders that are monitored by an external torque and angle controller. Fastening conditions including run speed and final tightening speed are programmed into the controller. The controller shuts off the tool when the fastening is complete. Fastening results are displayed at the controller and stored in memory. These tools are intended for hand-held and fixtured applications. These tools have the patented **Double Speed Shift™** device. They use the larger size-3 electric motor and are intended for **VERY HIGH SPEED, HIGH TORQUE** applications. Geared reverse is available. Accu-trol electric tools are more accurate and versatile than any other type of geared nutrunner.



**EXDD3HLSX-R2000TA**  
 ("LSX" is an extended sliding spindle)

**ANGLE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
EXDD3A-M400T*	400	295	840	22	16.2	9.8	21.5	595	23.4	3/4
EXDD3A-M680T*	680	500	565	33	24.3	11.3	24.9	673	26.5	3/4
EXDD3A-M1050T*	1050	774	320	59	43.5	16.3	35.8	699	27.5	1.0
ESDD3A-M1350T*	1350	1000	285	66	48.7	16.3	35.8	699	27.5	1.0

\* flat angle head

**IN-LINE TOOLS**

<u>Model</u>	<u>Torque</u>			<u>Shift Torque</u>		<u>Fixed Spindle (L) Weight</u>		<u>Length</u>		<u>Sliding Spindle (LS) Weight</u>		<u>Length</u>		<u>Sq Dr</u>
	<u>Nm</u>	<u>lb-ft</u>	<u>rpm</u>	<u>Nm</u>	<u>lb-ft</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	<u>Kg</u>	<u>lbs</u>	<u>mm</u>	<u>inch</u>	
EXDD3HL(S)-M250T	264	195	1285	15	11.1	7.6	16.8	635	25.0	8.9	19.5	798	31.4	3/4
EXDD3HL(S)-M350	350	258	1285	15	11.1	7.6	16.8	635	25.0	8.9	19.5	798	31.4	3/4
EXDD3HL(S)-M490T	490	694	1285	14	11.1	7.6	16.8	635	25.0	8.9	19.5	798	31.4	1.0
EXDD3HL(S)-M850T	880	649	365	49	36.1	12.8	28.2	820	32.2	15.0	33.0	914	36.0	1.0
EXDD3HL(S)-M1000T	1000	737	325	55	40.6	12.8	28.2	820	32.2	15.0	33.0	914	36.0	1.0
EXDD3HL(S)-M1500T	1500	1106	325	55	40.6	12.8	28.2	820	32.2	15.0	33.0	914	36.0	1.0
EXDD3HL(S)-M2000T	2000	1475	325	55	40.6	12.8	28.2	820	32.2	15.0	33.0	914	36.0	1.0

Intermediate torques are available. Ask your AAT representative.



## AAT NUTRUNNER OPTIONS & ACCESSORIES

### REVERSE

Reversible or reverse rotation air motor is available for size 2 pneumatic nutrunners excluding Speed-Shift™:

Stall 2H                      Stall 2                      Accu-Brake 2                      PAC 2                      Accu-trol 2

Reversible or reverse rotation gearing is available for size 3 pneumatic nutrunners including Speed-Shift™:

Stall 3H                      Stall 3                      Accu-Brake 3                      PAC 3                      Accu-trol 3

### REACTION BARS & MOUNTING PLATES FOR ALL IN-LINES

### REACTION BRACKETS FOR ALL ANGLE HEADS

Flat-Angles™ and our 400Nm angle head have tapped holes for built-in reaction.

### SWIVEL SUSPENSION BAILS FOR ALL NUTRUNNERS

### STARTING OPTIONS FOR ALL MODELS

Manual lever start,                      Remote start                      Push-to-start / latch On  
Remote start and Push-to-start are for fixtured nutrunners. For electric nutrunners, Push-To-Start and Remote Start are programmable or wired into the controller.

### SIGNAL PORTS FOR AIR LOGIC OR PROCESS MONITORS

### TORQUE TRANSDUCERS AND ANGLE ENCODERS

Optional torque transducers are available for all nutrunners except the 2H series. Angle encoders are available for any nutrunner with a transducer.

### SPECIAL OUTPUT DESIGNS

An Offset with a sliding spindle is available for all 2-series nutrunners. Side-to-center distance is 0.625 inches. Max torque rating is 80 Nm.

AAT's Flat-Angle™ output (crowfoot) has all bearing mounted gearing. A durable, high-efficiency Flat-Angle™ can be designed to meet your needs for delivery of high torque in a restricted space. Existing designs range from 300 to 1,350 Nm. Flat-Angle™ can also be configured as an offset up to 680 Nm. with a side-to-center distance of 1.125 inches.

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## USE THE TEMPLATE BELOW TO CREATE YOUR MODEL NUMBER.

Print this page. Fill in the AAT model number. Use the information on the following pages to determine valid AAT Model Number Entries. Be sure to observe exceptions and exclusions as noted in the descriptions (i.e. 2 and 3H are the only valid electric tool motor sizes).

Fill in the AAT Model Number and fax it with your cover and contact information to AAT. We will promptly validate the model and provide application guidance and a quote.

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A	X	D	2	LS	-	M	080	TA
MOTOR TYPE	CYCLE SHUT OFF CONTROL	SPEED SHIFT	MOTOR SIZE	OUTPUT CONFIGURATION		OPERATOR CONTROL	RATED TORQUE	TRANSDUCER
						<p><b>T</b> = TRANSDUCER  <b>TA</b> = T + ANGLE ENCODER  <b>OMIT</b> FOR NO TRANSDUCER</p>		
						<p><b>010 TO 2000</b> = TORQUE RATING (Nm)                      (MINIMUM 3 DIGITS)</p>		
						<p><b>M</b> = LEVER (MANUAL) OPERATION AT THE TOOL  <b>R</b> = OPERATION WITH REMOTE VALVE OR SWITCH  <b>P</b> = PUSH TO START &amp; LATCH ON  <b>H</b> = ALL CONTROLS EXTERNAL - AIR ONLY</p>		
						<p><b>A</b> = ANGLEHEAD OR FLAT ANGLE FOR TORQUE OVER 400 Nm  <b>A6X</b> = ANGLEHEAD WITH 6-INCH EXTENSION  <b>AR</b> = ANGLEHEAD WITH REACTION  <b>AR6X</b> = EXTENDED HEAD WITH REACTION  <b>L</b> = IN-LINE SPINDLE  <b>LS</b> = IN-LINE SLIDING SPINDLE  <b>O</b> = OFFSET WITH SLIDING SPINDLE</p>		
						<p><b>2</b> = AIR OR ELECTRIC MOTOR SIZE  <b>3</b> = AIR MOTOR SIZE  <b>2R</b> = REVERSE ROTATION AIR MOTOR SIZE  <b>3R</b> = REVERSE ROTATION AIR MOTOR SIZE                      (2R or 3R HERE EXCLUDES R IN "MOTOR TYPE")  <b>3H</b> = ELECTRIC MOTOR SIZES</p>		
						<p><b>D</b> = SPEED-SHIFT  <b>DD</b> = DOUBLE SPEED-SHIFT  <b>OMIT</b> FOR NO SPEED-SHIFT</p>		
						<p><b>C</b> = ACCU-BRAKE CLUTCH SHUTOFF  <b>P</b> = PAC AIR SHUTOFF  <b>X</b> = COMPUTER CONTROLLED (TRANSDUCER REQUIRED)  <b>S</b> = STALL (NO SHUTOFF - AIR ONLY)</p>		
						<p><b>A</b> = AIR - NONREVERSIBLE  <b>AR</b> = AIR WITH MANUAL REVERSE (AR HERE EXCLUDES -R- IN "MOTOR SIZE")  <b>E</b> = ELECTRIC</p>		



## AAT MODEL NUMBER ENTRIES

### FOR MOTOR TYPE – ENTER:

- A** for a non-reversible air motor.
- AR** for manual reverse air motor. When AR is entered with H entered at OPERATOR CONTROLS, forward and reverse are controlled by a separate, 4-way valve. For more information, see the description for the H entry under OPERATOR CONTROLS.
- E** for electric motors. All electric nutrunners are computer controlled. When E is entered here, the X designation is automatically entered in the CYCLE SHUTOFF CONTROL section and I is automatically entered in the TRANSDUCER section. A controller with an electric motor drive unit is supplied separately for electric nutrunners.

### FOR CYCLE SHUTOFF CONTROL – ENTER:

- C** for AAT's patented **Accu-Brake™ adjustable clutch shutoff for air tools**. Accu-Brake can be adjusted down to 55% of the torque rating on the nutrunner nameplate. It absorbs motor inertia during the tightening process to eliminate torque differences between hard and soft joints. When used in multiples on elastic joints (e.g. those with gaskets) the process can be automatically recycled after the initial rundown for torque recovery of relaxed fasteners without increasing other torque.
- P** for air motor **PAC shutoff**. The P designation does not apply to electric nutrunners. AAT's Pressure Activated Control valve senses a near stall condition in an air motor and shuts off the main valve. Its purpose is to indicate cycle completion and to limit torque reaction time to the operator. Torque is controlled by pressure regulation.
- X** for computer controlled shutoff. All electric nutrunners are computer controlled and must include this X designation. Air nutrunners with the X designation must be equipped with a transducer or transducer and angle encoder. AAT's controllers will deliver precise torque or torque/angle control with either air or electric nutrunners. Air nutrunners are controlled by a unique solenoid valve that uses increasing motor back pressure during tightening for a pressure-assisted, hair-trigger shutoff.
- S** for stall air motor. Stall air powered nutrunners are the simplest tools available. Torque is controlled by pressure regulation. The operator has total on/off control of the operation.

### FOR SPEED-SHIFT™ – ENTER:

- D** for AAT's patented single step **Speed-Shift™**. Ratios from 3.4:1 to 8.8:1
  - DD** for AAT's patented double step **Speed-Shift™**. Ratios from 12:1 to 22:1
- Shifting is completely automatic and is dependant only on torque. If the running torque spikes above the shift point during a rundown - say from a damaged thread - the nutrunner will shift down without stopping and then up again when the damaged thread is cleared. If there is prevailing torque on the fastener, such as a plastic insert, a ratio must be selected that can drive the prevailing torque without shifting.

Note: All *Speed-Shift* ratios may not be workable for some applications. Contact AAT for assistance.

Note: *Speed-Shift* is not available with Accu-brake

- ▶ omit this entry for no **Speed-Shift™**

**FOR MOTOR SIZE – ENTER:**

- 2** for .63 Horsepower (470 Watts) air or electric
- 3** for 1.15 Horsepower (850 Watts) air only
- 3H** for 1.30 Horsepower (950 Watts) electric only

**FOR OUTPUT CONFIGURATION – ENTER:**

- A** for anglehead. Four anglehead sizes are available rated up to 60, 120, 240 and 400Nm. AAT's "Flat Angle" is used for higher torque up to 1,350 Nm. AAT's "Flat Angle" designs are based on the 240 and 400 Nm angleheads that are converted by the addition of a torque multiplier with all bearing mounted gearing. Square drives of 1/4", 3/8", 1/2", 5/8", 3/4" and 1" are available.
- A6X** for anglehead with a six-inch extension. The extension increases the reach and reduces the reaction force for angle nutrunners.
- AR** for anglehead with a reaction bracket included for fixture mounting. This applies to the 60, 120 and 240 Nm angleheads.  
Mounting means for reaction devices are built into the 400Nm anglehead and all "Flat Angles". For these AR is not applicable.
- AR6X** for anglehead with a six-inch extension and a reaction bracket.
  - L** for in-line with a fixed spindle. Four fixed spindle sizes are available rated up to 80, 150, 550 and 1000Nm with square drives of 1/4", 3/8", 1/2", 5/8", 3/4" and 1". The output nosepiece has a splined section where an optional reaction bracket or reaction arm is mounted. Extended spindles for special applications are available.
  - LS** for in-line with a sliding spindle. Four sliding (spring loaded) spindle sizes are available rated up to 80, 150, 500 and 1000 Nm with square drives of 1/4", 3/8", 1/2", 5/8", 3/4" and 1". The output nosepiece has a splined section where a reaction bracket is held in place with the spindle bearing housing. The bracket is included and is used to mount the nutrunner to a fixture with other nutrunners for multiple spindle applications. A reaction arm is optional. Extended spindles for special applications are available.
  - O** for offset in-line with a sliding spindle. Two offset sliding spindle sizes are available with ratings of up to 80 and 250 Nm.

**FOR OPERATOR CONTROLS – ENTER:**

- M** for manual lever operation at the nutrunner.
- R** for remote operation of the nutrunner(s) with a remote valve or switch. This feature is used mainly for fixtured, single or multiple, air or electric nutrunners.  
For electric tools, the run control is an operator-actuated switch connected directly to the motor controller(s).  
For air nutrunners with cycle shut-off control (C, P or X nutrunners), a remote pilot valve is used to supply a "RUN" port built into the tool valve(s). The tool will run as long as pressure is maintained. It will shut-off when pressure is removed from "RUN" port or when the cycle is completed. When the cycle is completed, the nutrunner cannot be restarted until pressure is removed from the "RUN" port. Stall tools can also be equipped with remote valves and respond only to pressure applied to the "RUN" port.

**P for Push-to-Start operation at the nutrunner.** This feature is used mainly for fixtured, single, air or electric nutrunners. It allows the nutrunner to run unattended without additional external controls

For an electric tool, the motor controller is programmed so that the nutrunner will continue running when the switch is pressed and released and will stop when the switch is pressed and released a second time. A relay in the drive can be used to actuate clamps or similar devices to assist the work process.

For an air nutrunner with cycle shut-off control (C, P or X nutrunner), the valve is actuated with a palm button that replaces the lever. The valve will remain actuated until the cycle is completed or the operator shuts off the valve. Manual shut-off is easily achieved by lifting the palm button to the off position. An optional signal port in the tool can be used to actuate clamps or similar devices to assist the work process.

**H for all external controls for stall (AS) air nutrunners only.** This feature is used mainly for fixtured, single or multiple, air nutrunners. The nutrunner has no integral valve and is controlled completely by an external valve. A single valve used with multiple tools must have adequate flow capacity to supply all nutrunners.

The 2 SERIES H nutrunners have an optional reversible motor. A 4-way valve with adequate capacity, one for each nutrunner, must be used to control the direction of rotation by switching two ports on the motor between pressure and exhaust.

#### **FOR RATED TORQUE ENTER:**

**xxx for rated torque enter the desired torque rating in Newton Meters.** Use a minimum of three digits (e.g. 080 for an 80 Nm rating or 1750 for a 1,750 Nm rating). Valid ratings can be from 10 to 2000 Nm (010 TO 2000). AAT will validate any request and rate a nutrunner at the requested torque, if valid, or the next highest valid torque.

#### **FOR TRANSDUCER OR TRANSDUCER AND ANGLE ENCODER ENTER:**

**T for Transducer equipped nutrunners.** Electric nutrunners include a transducer. T is automatically entered here when for electric nutrunners are selected. TA may be substituted

**TA for Transducer and angle encoder equipped nutrunners.**

▶ **omit this entry for no transducer or angle encoder.**