

# A/AC

Semi-Automatic Airtork

Assembly

Angle

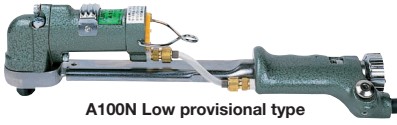
Pneumatic

Graduation

Push button

RoHS

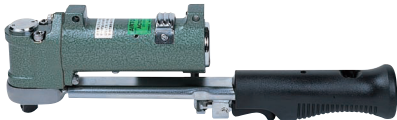
Direction



A100N Low provisional type



A180N Low provisional type



AC100N High provisional type



ACLS100N High provisional with limit switch type

- Pneumatic motor mounted on torque wrench
- After provisional tightening by an air motor at high speed, final torque set is performed manually.
- A: Low provisional torque type, AC: High provisional torque type

Accuracy ±3%

S.I. Model	Torque Range [N-m]		Metric Model	Torque Range [kgf-cm]		American Model	Torque Range [lbf-in/lbf-ft]		Max. Provisional Tightening Torque [N-m]	Free Speed [r.p.m]	Air Pressure [MPa]	Hose Dia. [mm]	Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.							
A10N	3-10	0.1	A100	30-100	1	A100-A	30-90	1	1.8	750			256	9.5	1.0
A25N	5-25	0.25	A225	50-250	2.5	A225-A	50-200	2.5							
A50N	10-50	0.5	A450	100-500	5	A450-A	100-400	5							
A100N	20-100	1	A900	200-1000	10	A900-A	15-65	1	2.5	800		φ5	339	12.7	1.5
A180N	40-180	2	A1800	400-1800	20	A1800-A	30-130	2	5						
AC25N	5-25	0.25	A225C7	50-250	2.5	AC200I-3A	50-200	2.5	11	1000			293	9.5	1.0
AC50N	10-50	0.5	A450C7	100-500	5	AC400I-3A	100-400	5							
AC100N	20-100	1	A900C7	200-1000	10	AC750I-3A	200-800	10							
-	-	-	-	-	-	AC75F-3A	15-75	1	17.5	900		φ6	335	12.7	2.0
AC180N	40-180	2	A1800C	400-1800	20	AC130F-4A	30-130	2	19						

Note

1. Rated voltage of the limit switch is AC/DC 30V, below 1A.
2. Use pneumatic sockets only.
3. S.Q. Drive Through Hole

# ALS/ACLS

- A/AC style with limit switch output
- Ideal for torque verification (Pokayoke) assembly processes

Accuracy ±3%

S.I. Model	Torque Range [N-m]		Metric Model	Torque Range [kgf-cm]		Max. Provisional Tightening Torque [N-m]	Free Speed [r.p.m]	Air Pressure [MPa]	Hose Dia. [mm]	Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.							
ALS10N	3-10	0.1	A100LS	30-100	1	1.8	750		φ5	256	9.5	1.7
ALS25N	5-25	0.25	A225LS	50-225	2.5							
ALS50N	10-50	0.5	A450LS	100-500	5							
ACLS25N	5-25	0.25	A225C7LS	50-250	2.5	11	1000	0.6		293	12.7	2.0
ACLS50N	10-50	0.5	A450C7LS	100-500	5							
ACLS100N	20-100	1	A900C7LS	200-1000	10							
ACLS180N	40-180	2	A1800CLS	400-1800	20	19	800		φ6	489		3.3

# AS

Fully-Automatic Airtork

Assembly

Angle

Pneumatic

Graduation/Preset

Lever

RoHS

Direction



AS12N



ASH80N

- Pneumatic right angle style
- Speed tightening with shut off at final torque set
- ASH: High air pressure, ASL: Low air pressure

Accuracy ±5%

S.I. Model	Torque Range [N-m]		Metric Model	Torque Range [kgf-m]		Free Speed [r.p.m]	Air Pressure [MPa]	Hose Dia. [mm]	Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.						
AS12N	6-12	0.2	A120S	60-120	2	1000	0.5	φ12	359	9.5	1.9
ASH40N	20-40		A400SH	200-400		2000	0.6				
ASH60N	30-60		A600SH	300-600		1330					
ASH80N	40-80		A800SH	400-800		1000					
ASH120N	60-120	Preset	A1200SH	600-1200	Preset	640	0.45	477	9.5	2.6	2.8
ASL30N	15-30	Type	A300SL	150-300	Type	1700					
ASL45N	22.5-45		A450SL	225-450		1130					
ASL60N	30-60		A600SL	300-600		850	592	12.7	12.7	3.2	4.1
ASL90N	45-90		A900SL	450-900		540					

Note

1. AS12N is Adjustable style having a graduated scale.
2. Other AS models are Preset style. Please specify the required set torque when ordering. (Ex. ASH40N x 30N-m)
3. Use pneumatic sockets only.
4. S.Q. Drive Through Hole

Standard Accessories

1. Torque adjustment key
2. Spanner

## AS optional Accessories



Spanner (for disassembly/assembly)

Part #	Applicable Model
170	AS



Torque Adjustment Key

Part #	Applicable Model
140	AS