

# AP2

Fully-Automatic Airtork

Assembly

Pistol

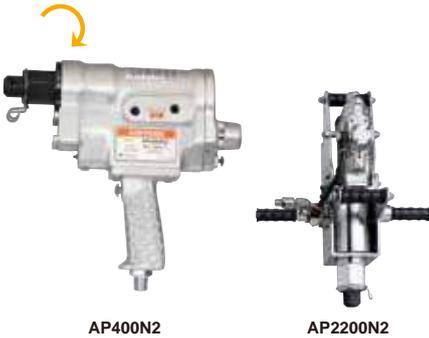
Pneumatic

Graduation

Trigger

RoHS

## Direction



AP400N2

AP2200N2

- For large bolt tightening
- Automatic shut off at final torque set

Accuracy ±5%

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·m]		American Model	Torque Range [lbf·ft]		Free Speed [r.p.m]	Air Pressure [MPa]	Hose Dia. [mm]	Overall Length [mm]	Sq. Drive [mm]	Reaction Arm (Sold Separately)	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.							
AP220N2	100-220		AP22M2	10-22		AP160F2	80-160	5	277			275	19.0	SA400N/UA450N	4.7
AP400N2	200-400	10	AP40M2	20-40	1	AP300F2	150-300	10	175			364	25.4	SA700N/UA900N	6.7
AP700N2	300-700	20	AP70M2	30-70	2	AP500F2	220-500	10	79	0.5	φ12	375	31.75	SA1200N/UA1800N	8.1
AP1200N2	600-1200	50	AP120M2	60-120	5	AP900F2	450-900	25	46			508	31.75	UA3000N	15
AP2200N2	1000-2200		AP220M2	110-220		AP1600F2	800-1600	50	19.2			541	38.1	UA4500N	22
AP4000N2	2000-4000	100	AP400M2	200-400	10	AP3000F2	1500-3000	100	12						

- Note**
1. Reaction arm, such as UA or SA, must be used when operating AP models in order to absorb reaction force.
  2. Use pneumatic sockets only.
  3. Through hole type S.q drive.

**Standard Accessories** W5 hex key

## Optional Accessories

**SA** Shell Arm  
Light Weight Reaction Arm

RoHS

Refer to page 68.



AP1200N2 with SA, Socket

**UA** Universal Arm  
Heavy Duty Reaction Arm

RoHS

Refer to page 68.



AP700N2 with UA, Socket



# ME/MC2

Multiple Unit/  
Pneumatic  
Straight Style

Automatic

Straight

Pneumatic

Graduation

Master Valve Operation

RoHS

## Direction



ME126N

MC400N2-TC

- Several units used simultaneously with loader
- Fully automatic tightening for complex bolt configurations

Accuracy ±5%

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm/kgf·m]		American Model	Torque Range [lbf·in/lbf·ft]		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.						
ME25N	10-25		M250E2	100-250		M250E2-A	90-220		1050			420.6 (457.6)	9.5	4.7
ME45N	20-45	0.5	M450E2	200-450	5	M450E2-A	200-400	5	540			424 (461)	12.7	5.3
ME80N	35-80	1	M800E2	350-800	10	M800E2-A	310-700	10	310	0.4	φ7.5	424 (461)	12.7	5.7
ME126N	50-126	2	M1260E2	500-1260	20	M1260E2-A	35-90	2	200					
MC220N2	100-220		MC22M2	10-22		MC160F2	80-160		277			287.5	19.0	4.6
MC400N2	200-400	10	MC40M2	20-40	1	MC300F2	150-300	10	175					
MC700N2	300-700	20	MC70M2	30-70	2	MC500F2	220-500	20	79	0.5	φ8	376	25.4	6.7
MC1200N2	600-1200	50	MC120M2	60-120	5	MC900F2	450-900	50	46			388	31.75	8.1
MC2200N2	1000-2200		MC220M2	100-220		MC1600F2	700-1600	100	19.2			491	31.75	17
MC4000N2	2000-4000	100	MC400M2	200-400	10	MC3000F2	1500-3000	100	12			522	38.1	24

- Note**
1. Overall length in ( ) is the length with TC sensor.
  2. Auto-reverse/auto-reset functions.
  3. For designing a multi-spindle system, check the PCD, minimum distance between the spindles.
  4. Add "-TC" for sensor-equipped version.
  5. For first-time user, consult Tohnichi for assistance.

**Standard Accessories** Torque adjusting bar

## Optional Accessories for Multiple Unit

### Handle Valve, Supportive Handle

Part #	Type	Air Outlet	Overall Length [mm]	Application
188	Handle Valve	3/8	135	For Direct Connection
189	Handle Valve	1/8	125	Master Valve
187	Handle Assist	-		

### Switch Handle, Switch

Part #	Type	Application
331	Start Switch Handle	Multiple Unit Start Switch
332	Reset Switch Handle	Reset Switch
333	Quick Reverse Handle	Emergency Reset Switch

### Slide Drive for ME, DCME

Model
FDME25N
FDME80N
FDME126N
FDME400N
FDME1200N

### Master Valve

Part #	Application	Air Outlet x Air Supply x Number of Branch (Φ) x (φd) x (n)
195	MF	1/2 x 1/4 x 4
196	ME	1/2 x 1/4 x 6
197	MC	3/4 x 3/8 x 2
198		1 x 3/8 x 4
199		1 x 3/8 x 6

### Slide Drive for MC2

Model
FDMC400N
FDMC1200N

### Torque Sensor

Model	Applicable Model
TC-ME2	ME
TC-MCA	MC220N2, MC400N2
TC-MCB-2	MC700N2
TC-MCB	MC1200N2

