

UAAMC SERIES

Various fastening errors such as double-hit, cross-thread, foreign objects insertion are detectable. Fastening quality improved by angle monitoring function provides you with enhanced reliability.

BOLT & NUT SETTERS



UA400AMC



UA500AMC



UA600AMC



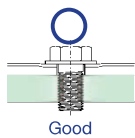
UA700AMC



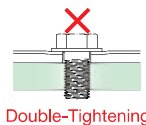
UA1300AMC

FEATURES

- UAAMC series are capable of angle monitoring in addition to the torque control/monitoring from UAMC series. It enables you to get double-hit, cross-thread, foreign object insertion and so forth by angle monitoring, and improve the fastening quality.
- URYU independent new technology "Auto Relief Function" (PAT.) is adopted.



Good

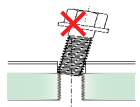


Double-Tightening

Double-Tightening :

Detectable as the torque increases, while the free run angle lacks.

- Free Run Angle NG

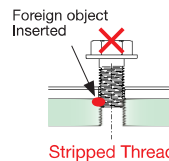


Cross Thread

Cross Thread :

Detectable as the fastening angle gets too high.

- Angle NG

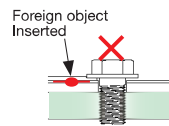


Stripped Thread

Stripped Thread/Seized Thread :

Detectable as the torque does not increase and the fastening angle gets too high.

- Angle NG



Seized Thread

Foreign Object Inserted :

Detectable as the torque does not increase and the fastening angle gets too high.

- Angle NG

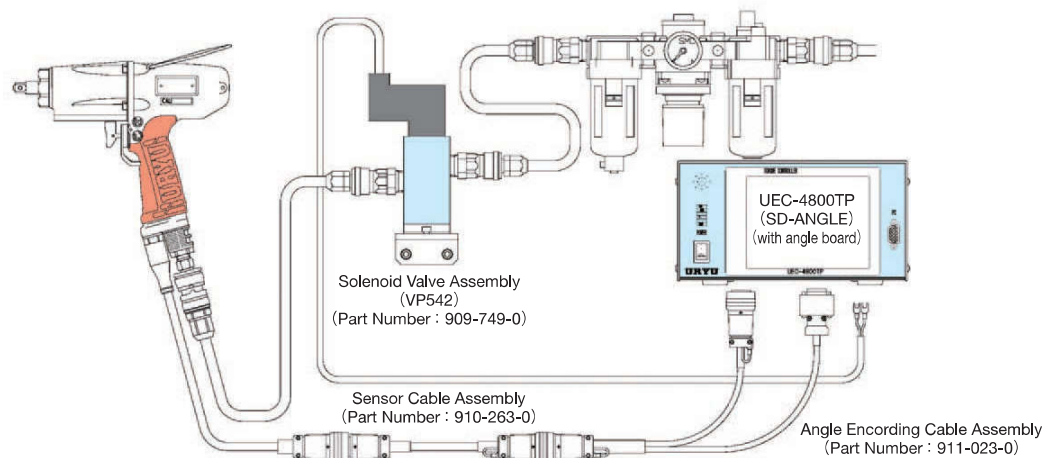
SPECIFICATIONS

Recommended Air Pressure: 0.5MPa (72psi) - 0.6MPa (85psi)

Model	Capacity (Nominal Bolt Size)		Torque Range				Free Speed (Approx.) rpm		Overall Length (about)		Weight less Socket or Bit (about)		From Center to Outside (about)		Sq. Drive or Hex. Size		Average Air Consumption	
			0.5MPa		0.6MPa		0.5MPa	0.6MPa	mm	in	kg	lb	mm	in	mm	in	m ³ /min	ft ³ /min
	mm	in	Nm	ft-lbs	Nm	ft-lbs	0.5MPa	0.6MPa	mm	in	kg	lb	mm	in	mm	in	m ³ /min	ft ³ /min
UA400AMC	6	1/4	5-11	3.7-8.1	7-13	5.2-9.6	3300	3600	193	7 19/32	1.35	2.97	28.0	1 7/64	9.5	3/8	0.20	7.0
UA500AMC	6-8	1/4-5/16	9-20	6.6-14.8	11-25	8.1-18.4	4100	4250	193	7 19/32	1.35	2.97	28.0	1 7/64	9.5	3/8	0.25	8.8
UA600AMC	8	5/16	16-30	11.8-22.1	18-38	13.3-28.0	4900	5000	198.5	7 13/16	1.4	3.08	28.0	1 7/64	9.5	3/8	0.40	14.0
UA700AMC	8-10	5/16-3/8	25-40	18.4-29.5	30-50	22.1-36.9	5300	5700	207.5	8 11/64	1.5	3.3	28.5	1 1/8	9.5	3/8	0.45	15.8
UA800AMC *	10	3/8	35-50	25.8-36.9	40-60	29.5-44.3	5600	6000	215.5	8 31/64	1.7	3.74	29.0	1 9/64	9.5	3/8	0.48	16.8
UA900AMC	10-12	3/8-1/2	35-65	25.8-47.9	40-80	29.5-59.0	5200	5500	227.5	8 61/64	2.15	4.73	28.0	1 7/64	12.7	1/2	0.53	18.6
UA1000AMC	12	1/2	45-75	33.2-55.3	50-90	36.9-66.4	4900	5200	235.0	9 1/4	2.45	5.39	30.0	1 3/16	12.7	1/2	0.55	19.3
UA1300AMC	14	9/16	70-110	51.6-81.1	85-130	62.7-95.9	4000	4500	256.5	10 3/32	3.25	7.15	36.0	1 27/64	12.7	1/2	0.73	25.6

Air Inlet size : NPT1/4* Air Hose size : 10mm×6.5mm×5m for UA400AMC and UA500AMC 12mm×8.0mm×5m for UA600AMC~UA1000AMC 16mm×11.0mm×5m for UA1300AMC
*Please refrain from using UA800AMC at around max. torque as it is developed to aim at torque output between UA700AMC and UA900AMC.

System Layout



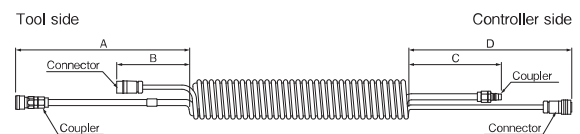
*Angle board should be mounted on UEC-4800(SD)series for angle detection.

OPTION

Cable Hose Assembly

Cable Hose Assembly is a combination hose of Air Hose and Sensor Cable Assembly which can be used for the connection between MC/EC wrench and Controller/Solenoid Valve Assembly.

Please ask your local URYU distributor for details of corresponding models, size, hose inside diameter and so on.



Parts Name	Part Number	Hose Color	Dimensions (mm)						Hose inside Diameter (mm)
			A	B	Maximum Coiled Range of use	Minimum Coiled Length	C	D	
Cable Hose Assembly $\phi 12 \times \phi 45 \times 27$ (R) 1.1	935-280-0	Red	1300	1100	2200	350	300	500	8
Cable Hose Assembly $\phi 12 \times \phi 75 \times 38$ (GR)	935-276-0	Gray	400	200	5800	480	200	400	8
Cable Hose Assembly $\phi 12 \times \phi 45 \times 28$ (GR)	935-275-0	Gray	1000	700	2400	370	300	500	8