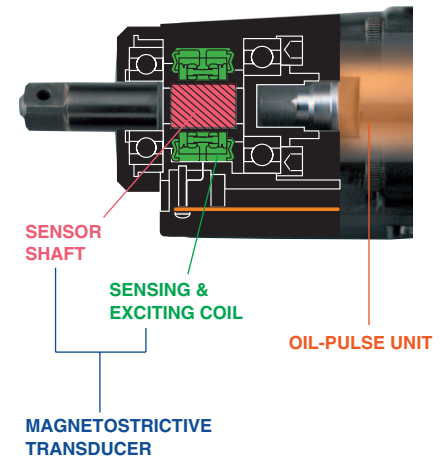


SUPER "INTELEC" SYSTEM MC TOOLS

The **MC-series** combines the benefits of the ALPHA Series with the quality and reliability benefits of a Good or No Good judgement, based on torque, after each tightening. This is accomplished by incorporating brushless Magnetostrictive transducer, solenoid valve, electronic control unit, and indicator lights with ALPHA Series components.



MAGNETOSTRICTIVE TRANSDUCER

Uryu's brushless Magnetostrictive Torque Transducer consists of Anvil and a pair of sensor coils. Without contacting to the Anvil, the sensor coil detects load given to the Anvil. (non-contact) The grooves in the Anvil are provided at 45 degree angle in one region. When torque is applied to the Anvil, tensile stress appears on the region and magnet permeability increase. These permeability changes are detected, respectively transformed to the voltage change (proportional to applied torque) and converted to torque signals to control the tool.

SPECIFICATIONS

Recommended Air Pressure: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		Noise Level
			0.5MPa		0.6MPa														
	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	dB(A)
ALPHA-60MC	6	1/4	9-15	6.5-10.8	10-20	7.2-14.4	6800	7000	215	8 5/64	1.40	3.1	25.5	1	9.5	3/8	0.25	8.8	75
ALPHA-60DMC	6	1/4	9-15	6.5-10.8	10-20	7.2-14.4	6800	7000	215	11 1/32	1.40	3.1	25.5	1	6.35	1/4	0.25	8.8	75
ALPHA-60SMC*	6	1/4	9-15	6.5-10.8	10-17	7.2-14.4	6000	6300	280	8 5/64	1.40	2.6	25.5	1	9.5	3/8	0.25	8.8	75
ALPHA-70MC	8	1/4-5/16	12.5-25	8.6-18.0	15-30	10.8-21.6	6800	7300	215	8 5/64	1.43	3.1	25.5	1	9.5	3/8	0.25	8.8	75
ALPHA-80MC	8	5/16	16-30	11.5-21.6	20-40	14.4-28.9	6800	7000	231	8 21/32	1.50	3.3	25.5	1	9.5	3/8	0.45	15.8	78
ALPHA-90MC	8-10	5/16-3/8	20-40	14.4-28.9	30-47	21.6-33.9	6000	6500	231	8 21/32	1.50	3.3	25.5	1 7/64	9.5	3/8	0.45	15.8	78
ALPHA-101MC	10	3/8	34-58	24.5-42.6	38-70	27.4-51.3	6000	6200	243	9 11/64	2.10	4.6	28.0	1 3/16	12.7	1/2	0.50	17.6	80
ALPHA-110MC	12	3/8-1/2	45-75	32.5-54.9	55-100	40.5-72.3	4500	5000	250	9 51/64	2.50	5.6	30.0	1 27/64	12.7	1/2	0.65	22.9	80
ALPHA-130MC	14	9/16	80-130	58.5-95.4	90-150	65.8-109.9	3200	3400	276	10 15/32	3.50	7.7	36.0	1 21/32	12.7	1/2	0.65	22.9	82
ALPHA-140MC	16	5/8	140-200	103.4-147.6	150-220	110.7-162.0	3300	3500	295	11 5/8	4.63	10.2	40.0	1 37/64	19.0	3/4	0.80	28.3	84.5
UXR-1820MC	18	45/64	140-220	102.7-162.0	160-250	117.8-183.7	4400	4600	322	12 43/64	5.50	12.3	42.0	1 21/32	19.0	3/4	0.70	24.7	84
UXR-2000MC	20	25/32	200-350	147.6-258.2	250-400	184.4-295.1	4600	4800	355	13 31/64	8.00	17.6	47.0	1 21/32	19.0	3/4	0.95	33.6	85
UXR-2400SMC	24	15/16	300-550	221.3-405.8	350-600	258.2-442.7	3100	3300	457	16 3/8	12.5	27.6	55.0	1 11/64	25.4	1	1.00	35.3	85

*External Solenoid Valve is required.
 Air Inlet size : NPT1/4" for ALPHA-60MC~ALPHA-140MC NPT3/8" for UXR-1820MC & UXR-2000MC NPT1/2" for UXR-2400MC
 Air Hose size : 9.5mm (3/8") for ALPHA-60MC~ALPHA-140MC 12.7mm (1/2") for UXR-1820MC~UXR-2400MC
 Inside Trigger is available for UXR-2400SMC