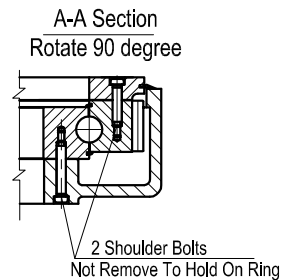
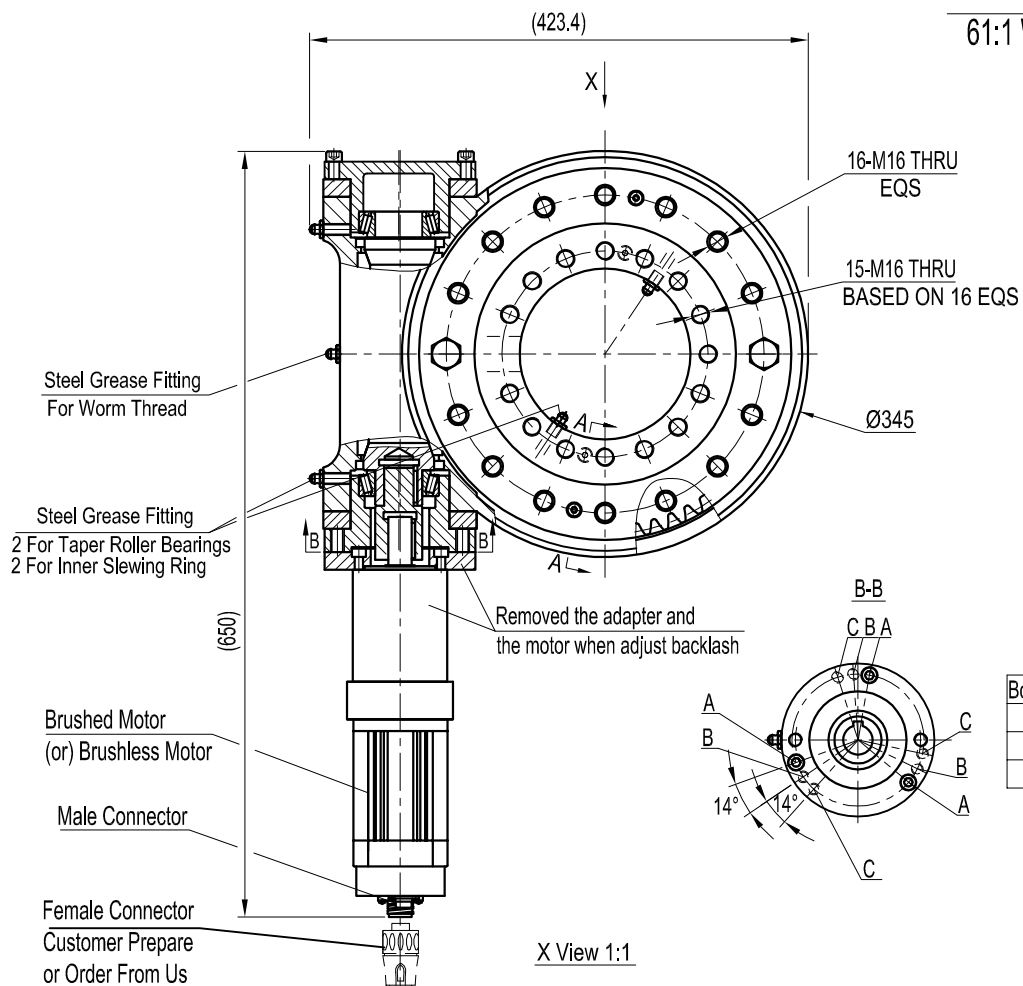
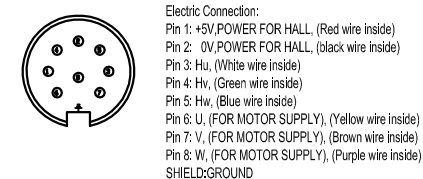
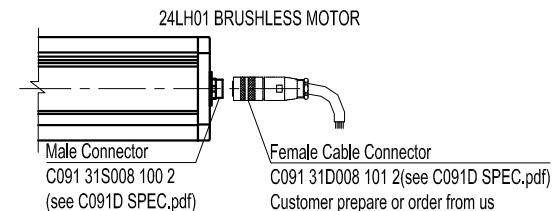
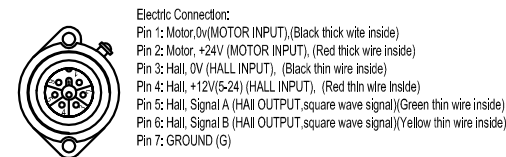
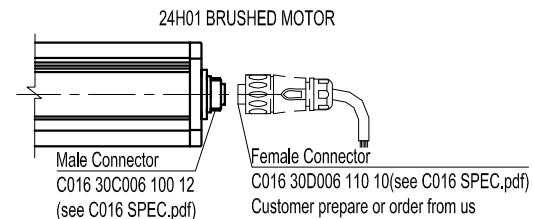
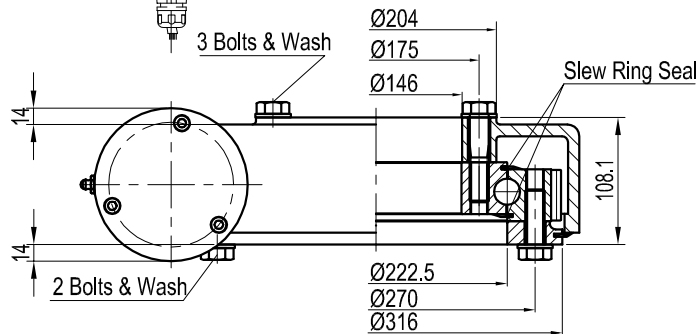
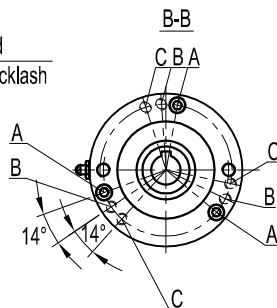


HOURGLASS WORM SLEW DRIVE

61:1 Worm Gear Reduction Ratio

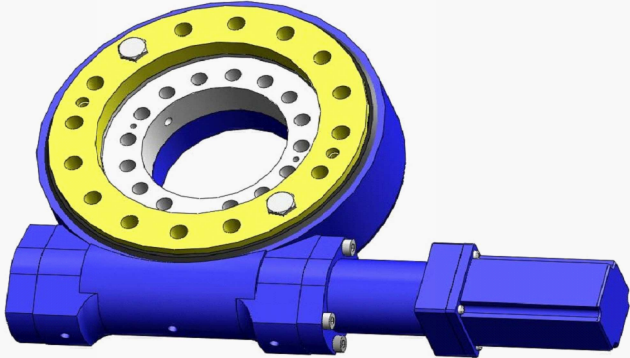


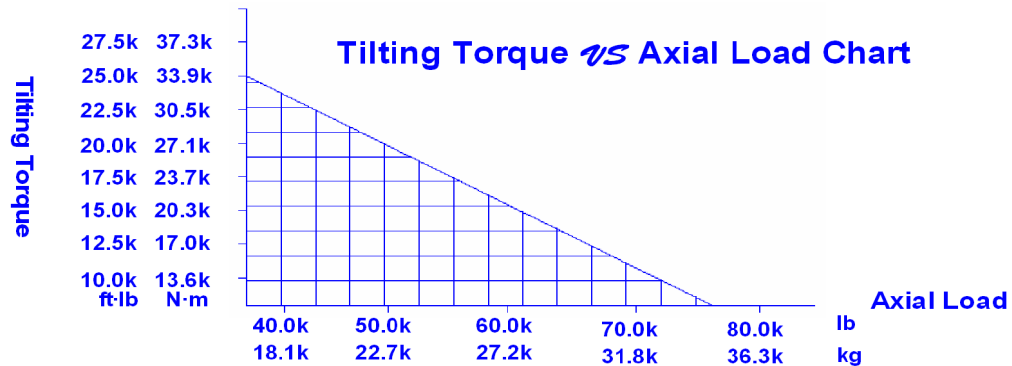
Bolts Point	Backlash
A	About 1.0mRad
B	About 0.65mRad
C	About 0.2mRad


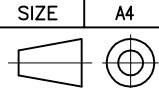


DESIGNED BY	F J 2011.04.10			KMI GROUP	
CHECKED BY	H G 2011.04.10			WWW.KINEMATICS.MFG.COM	
APPROVED BY	J Z 2011.04.10				
ALL PROPRIETARY RIGHTS IN THE SUBJECT MATTER HEREOF ARE RESERVED, AND NO PERMISSION IS GRANTED TO REPRODUCE THIS PRINT IN WHOLE OR IN PART, OR TO DISCLOSE ANY OF THE INFORMATION TO OTHERS.			WEIGHT	SCALE	SLEW DRIVE
				NTS	
SYMBOLS ISO	SIZE	A3	SHEET	1/1	AE9C
			THE TOLERANCE NOT MENTIONED IS REFERRED TO ISO 2768-m,K		
					REV A

SLEWING DRIVES PERFORMANCE DATA

Model Code : AE9C							
Slewing Drive Ratio	61:1	24H01 Brushed Gearmotor			24LH01 Brushless Gearmotor		
Rotating Output Rated Speed	0.12 rpm	Type Cord	24H-1900-256-55-K		Type Cord	24LH-1900-256-55-K	
Efficiency	43%	Rated Voltage	24	VDC	Rated Voltage	24	VDC
International Protection (IP)	55	Output Speed	7.42	r/min	Output Speed	7.42	r/min
Motor Temperature	- 40°C to +80°C	Rated Current	< 10.5	A	Rated Current	< 10.5	A
Worm Drive Temperature	- 20°C to +120°C	Output Power	42.7	w	Output Power	42.7	w
Backlash	0.2 to 1.0mRad	Motor Rated Speed	1900	r/min	Motor Rated Speed	1900	r/min
Torsion Stiffness	1,444 Nm/mRad	Output Torque	55	N·m	Output Torque	55	N·m
Bending Stiffness	1,701 Nm/mRad	Stall Torque	110	N·m	Stall Torque	110	N·m
Slewing Drive Loading Data		HC Type					
Normal Output Torque(1 min.)	1,443	N·m	1,064	ft·lb			
Max. Output Torque(3 sec.)	2,885	N·m	2,128	ft·lb			
Backwards Holding Torque	38,710	N·m	28,552	ft·lb			
Tilting Torque	33,900	N·m	25,005	ft·lb			
Static Radial Rating	134.98	kN	30,344	lb			
Static Axial Rating	337.44	kN	75,857	lb			
Dynamic Radial Rating	70.86	kN	15,929	lb			
Dynamic Axial Rating	80.99	kN	18,207	lb			



DESIGNED BY	F J 2011.04.10		KMI GROUP		<p style="font-size: 1.2em; margin: 0;">SLEW DRIVE</p> <p style="font-size: 1.5em; margin: 0;">AE9C (HC)</p>
CHECKED BY	H G 2011.04.10		WWW.KINEMATICS MFG.COM		
APPROVED BY	J Z 2011.04.10		WEIGHT	SCALE	
ALL PROPRIETARY RIGHTS IN THE SUBJECT MATTER HEREOF ARE RESERVED, AND NO PERMISSION IS GRANTED TO REPRODUCE THIS PRINT IN WHOLE OR IN PART, OR TO DISCLOSE ANY OF THE INFORMATION TO OTHERS.			NTS		
SYMBOL ISO		SIZE	A4	SHEET	1/1
		THE TOLERANCE NOT MENTIONED IS REFERRED TO ISO 2768-m,K			
					REV A