



REVISIONS			
ZONE	REV.	DESCRIPTION	DATE APPROVED
A1		RELEASE FOR WEB	0-30-15 DTI

MODEL #	MTR LENGTH
U21	2.0
U22	3.1
U23	4.0

GH RATIO	GH LENGTH
4, 5.5, 7, 10	6.49
16, 22, 28, 40, 49, 55, 70, 100	7.32
160, 280, 400, 550, 700	8.10

- NOTES:
1. PRECISION SINGLE SHAFT RIGHT ANGLE GEARHEAD (RA) -- SHOWN.
 2. STANDARD INDUSTRIAL (IN SERIES) U21 STEP MOTOR -- SHOWN.
 3. SPIROL BEVEL GEARHEAD WITH 7:1 PLANETARY GEAR RATIO SHOWN.
 4. WITH OPTIONAL REAR "GH" SHAFT, DESIGNATE "DA" (NOT RA).
 5. REAR "MOTOR" SHAFT CAN BE REMOVED (SUFFIX "-S") NEEDED FOR RESOVER OR BRAKE.
 6. 12" ALUMINUM FLYING LEAD WIRES ARE STANDARD.
 7. OPTIONAL 10 FOOT LONG CABLE (CBL-10) IS SHOWN.

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UNLESS OTHERWISE SPECIFIED		NAME	DATE	EMPIRE MAGNETICS, INC. ROHNERT PARK, CA 94928	
DIMENSIONS ARE IN INCHES	DRAWN	DTI	10-26-15		TITLE: U2X-23RAXX RIGHT ANGLE GEARMOTOR
TOLERANCES-	CHECKED				
FRACTIONAL ±	ENG APPR.				
ANGULAR ± .05	MFG APPR.				
TWO PLACE DECIMAL ± .005	QA			SIZE DWG. NO. B 30-0240-0662	
THREE PLACE DECIMAL ± .005	COMMENTS	U21 23RA 7 M2400662			REV A1
INTERPRET GEOMETRIC TOLERANCING PER	FINISH			SCALE: 1/2	SHEET 1 OF 1
PATTERN	APPLICATION				
NEXT ASSY	USED ON				
APPLICATION	DO NOT SCALE DRAWING				