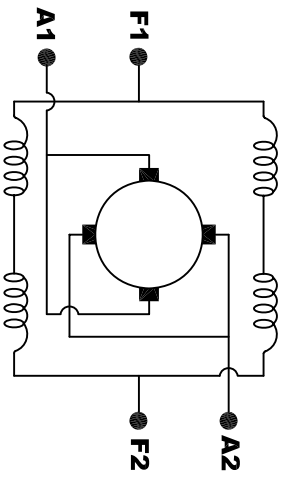


TORQUE SPECIFICATION FOR POWER CABLE SECURING TOP NUTS
 5/16-18 UNC (A1 / A2) - 110 IN / LBS MAX
 1/4-20 UNC (F1 / F2) - 50 IN / LBS MAX

D&D MOTOR SYSTEMS INC.		A1	
SYRACUSE N.Y.		F1	
Model # ES-41			
Mfg. Date	Serial #	Rating	Duty
XXXXXX	XXXX	Class H	XXXX
Voltage	Current	R.P.M.	H.P.
XX	XXXX	XXXX	XXXX
MADE IN U.S.A.			

SPEED SENSOR ELECTRICAL SPECIFICATION:
 -4.5V TO 24V OPERATING VOLTAGE
 -20°C TO 85°C OPERATING TEMPERATURE
 -CURRENT SINKING UP TO 25ma
 -AN EXTERNAL OUTPUT PULL UP RESISTOR IS REQUIRED
 -SENSOR IS DESIGNED TO OPERATE WITH 4 N/S POLEPAIRS
 AND THE HOUSING, INCLUDING ANY RUNOUT
 SHOULD NOT EXCEED .030 INCHES



ELECTRICAL WIRING DIAGRAM

MOTOR WIRING CONNECTIONS:
 CW ROTATION DRIVE END
 CONNECT A1 & F1 TO ONE BATTERY TERMINAL
 CCW ROTATION DRIVE END
 CONNECT A2 & F2 TO OTHER BATTERY TERMINAL
 SWITCH F1 & F2 CONNECTIONS

SPLINE DESIGNATION
 22 x 1.0 x 30°
 HARDNESS ON SPLINE TO BE INDUCTION HARDENED / OIL QUENCHED
 TO R/C 52 - 58, MIN. DEPTH .02 - .03
 SHAFT MATERIAL: C-1144 STRESS PROOF STEEL

MOTOR WEIGHT: XX LBS
 CLASS "H" INSULATION
 PERFORMANCE SPEC: 8

THIS PRINT IS THE PROPERTY OF D&D MOTOR SYSTEMS INC.
 DO NOT SCALE
 WORK TO DIMENSIONS
 TOLERANCES UNLESS OTHERWISE SPECIFIED ARE AS FOLLOWS

.XX	.01
.XXX	.005
.XX ROUGH CASTING	.03
HOLES	-.001 / +.006
ANGLES	0°30"

D & D MOTOR SYSTEMS INC				
MOTOR OUTLINE				
SIZE	DRAWN DATE	RELEASE DATE	DWG NO. / PART NO.	REV
B	10-21-02		ES-41	R3
SCALE	STF	DRAWN BY	MJG	REV DATE
				5-8-13