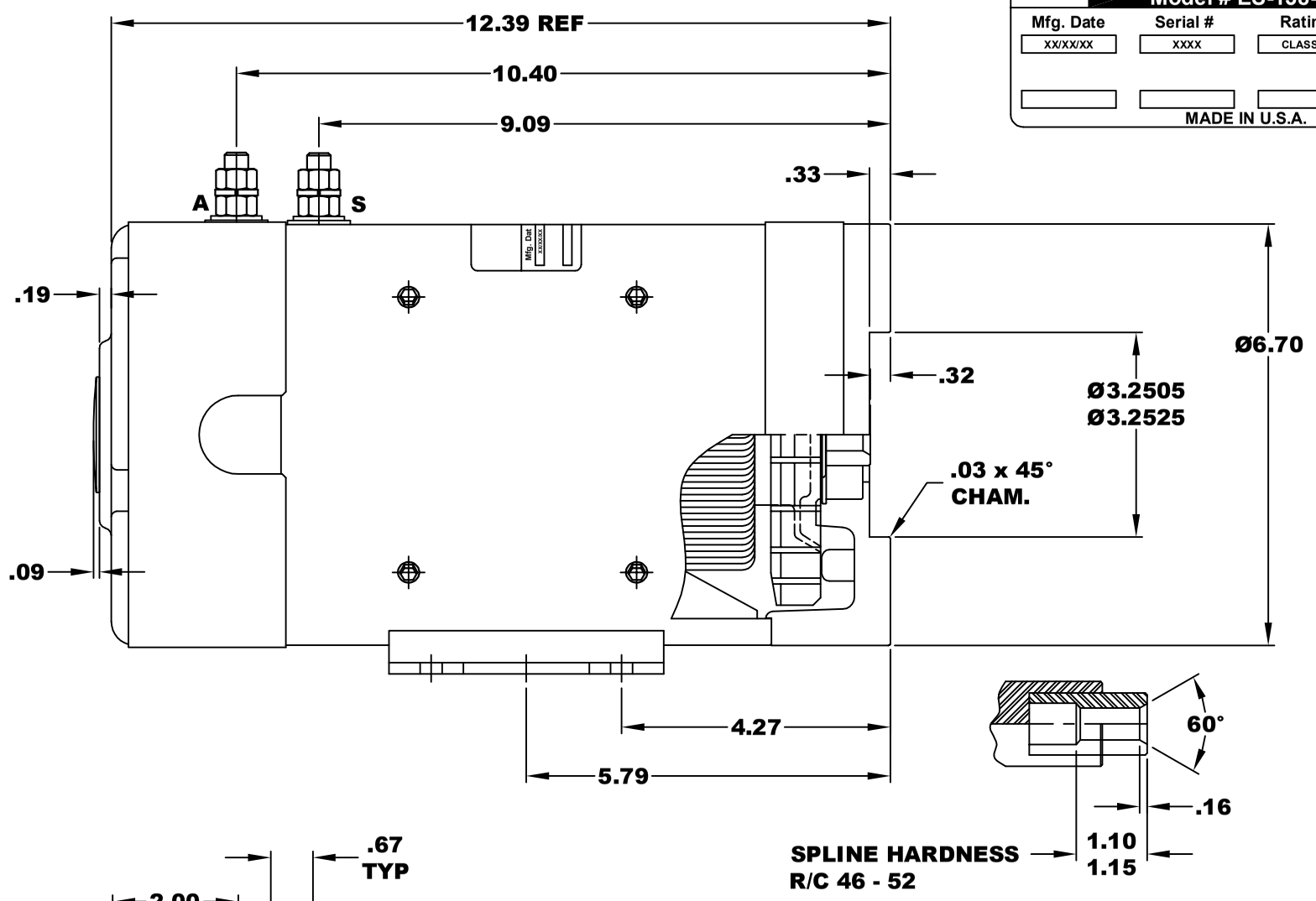
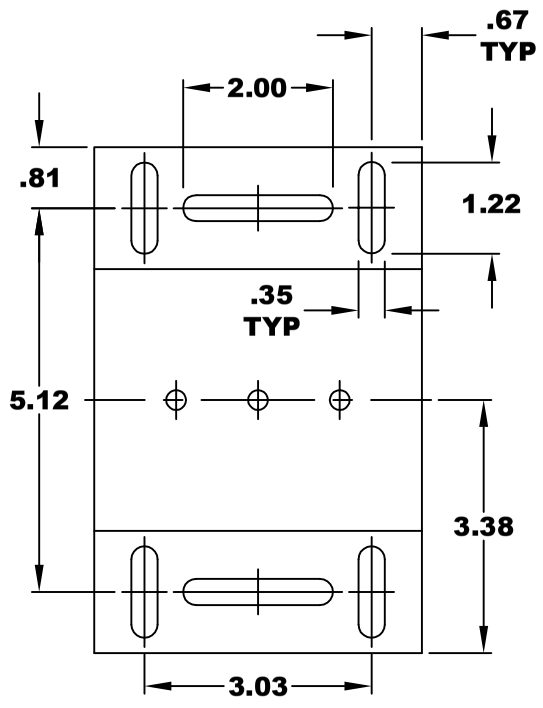


SPLINE HARDNESS
R/C 46 - 52



INTERNAL INVOLUTE SPLINE SPECIFICATION
FLAT ROOT SIDE FIT (PER A.N.S.I. B92.1 CLASS 5)

NO. OF TEETH	9
SPLINE PITCH	16 / 32
PRESSURE ANGLE	30°
BASE Ø	.4871 REF
PITCH Ø	.5625 REF
MAJOR Ø	.651
FORM Ø	.629
MINOR Ø	.509 - .514

◎	.010	A
⊥	.010	B

CIRCULAR SPACE WIDTH

MAX ACTUAL	.1008
MIN EFFECTIVE	.0982
MAX DIMENSION BETWEEN TWO PINS	.3972
PIN Ø	.1080

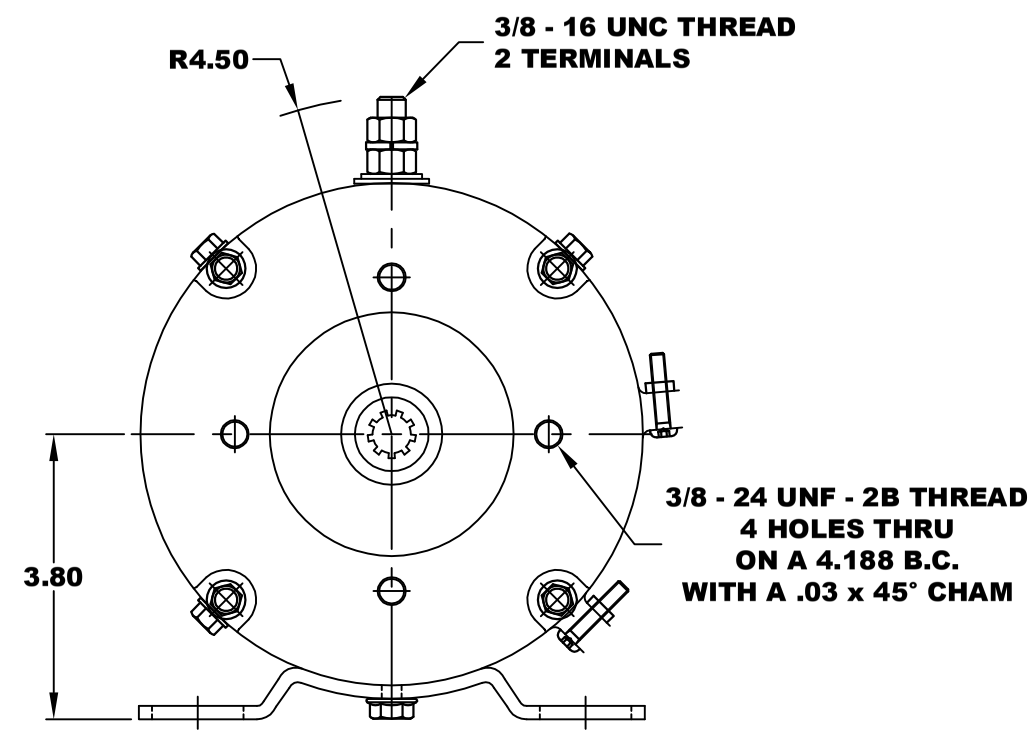
D&D MOTOR SYSTEMS INC.
SYRACUSE N.Y.

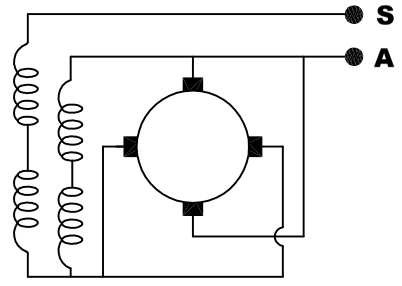
Model # ES-138-93

Mfg. Date	Serial #	Rating	Voltage
XX/XX/XX	XXXX	CLASS H	XX

MADE IN U.S.A.

TORQUE SPECIFICATION FOR
POWER CABLE SECURING TOP NUTS
3/8 - 16 UNC - 140 IN / LBS MAX





ELECTRICAL WIRING DIAGRAM

MOTOR WEIGHT: 65 LBS
CLASS "H" INSULATION
PERFORMANCE SPEC: 93

MOTOR WIRING CONNECTIONS:
CW ROTATION DRIVE END
CONNECT ONE POWER CABLE TO TERMINAL A
CONNECT THE OTHER POWER CABLE TO TERMINAL S

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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	5-24-18		ES-138-93	
SCALE	STF	DRAWN BY MJG		REV DATE