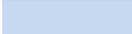


CROWNED EXTERNAL INVOLUTE SPLINE DESIGN (FULL CROWN, CENTERED APEX)

ANSI B92.1-1996 FILLET ROOT, SIDE FIT SPLINE (BASIC DIMENSION EQUATIONS FROM TABLE 2)

NUMBER OF TEETH	35
DIAMETRAL PITCH	9.88
PRESSURE ANGLE, DEG	30
FACE WIDTH, IN	3.54
CROWN DROP, IN	0.0030
TORQUE, IN-LB	77,444
PITCH DIMETER, IN	3.5425
EXT MAJOR DIAMETER, IN	3.6437
EXT MINOR DIAMETER, IN	3.3603
INT MINOR DIAMETER, IN	3.4413
INT MAJOR DIAMETER, IN	3.7247
ENGAGED TOOTH HEIGHT	0.101
FACE CROWN RADIUS, IN (R1)	301.46
PROFILE CROWN RADIUS, IN (R2)	522.15
CONTACT STRESS, LB/IN ²	11,134

INPUT CELLS 

RESULTS 