

PART NO REF =				66t	PART DATA				REV REF =				
PART NAME REF =					CUST REF =								
No TEETH=				66.0000	EVEN TEETH =1 , ODD TEETH =2				1.0000				
DIAM PITCH=				20.0000	HIGH				LOW				
PRESSURE ANGLE=				14.5000	MAJOR DIA =				3.3500	3.3440			
					TIF =				3.1970				
T00TH THICKNESS REF =				FINISHED	ROOT DIA =				3.1260	3.1210			
GEAR WIRE=				0.086600	THEORETICAL DIA AT BETWEEN WIRES=				3.183100				
					LOW								
INPUT M.O.W.=				3.363000	CAUTION WIRE BOTTOMS OUT ON ROOT				FALSE				
					NOMINAL M.O.W. REF=				3.359650				

CALCULATIONS OF PART													
CALC NORM TT=				0.0618693	NOMINAL TOOTH THICKNESS=				0.061110				
PITCH DIA =				3.300000	1/2 SPREAD =				0.037228				
BASE DIA =				3.194887	BASE RAD =				1.597444				
INV PA STD =				0.00554	Km FACTOR=				4.456889				
DEG ROLL FROM BASE DIA													
OD =				18.07	THEORETICAL WIRE AT O.D.=				0.1178				
PD=				14.82	THEORETICAL WIRE AT PD=				0.0991				
TIF=				2.08	THEORETICAL WIRE AT TIF=				0.0747				
CHORDAL TOOTH THICKNESS AT OD=				0.048308	0.048570								
CHORDAL TOOTH THICKNESS AT TIF =				0.077614	0.076157								
MAX WHEEL WIDTH AT O.D. =				0.111152	0.110890								
MIN WHEEL WIDTH AT TIF =				0.074563	0.076019								
CHORDAL TOOTH THICKNESS AT BASE DIA =				0.077614									
MIN WHEEL WIDTH AT BASE DIA =				0.074463									
INPUT RECOMMENDED OR OTHER GEAR WIRE FOR REISH WHEEL=					0.098260								
NOMINAL MEASUREMENT OVER ONE WIRE FOR REISH WHEEL=					0.0389				TRUE				
RECOMENDED GEAR WIRE FOR REISH WHEEL=				0.096000	REF								