

File Name				
Part No.				
Part Description				
Hob No				
Shaving Cutter No				
Number of Teeth	26		70	
D.P. Normal	5.08000	5.0000 Mod		
Pressure Angle Normal	20.0000°			
Helix Angle	Right	15.0000°	Left	
Outside Diameter	5.8892"	149.586mm	14.5858"	370.479mm
Outside Diameter DOR	36.7198°		25.2245°	
Gear Face Width	5.9055"	150.000mm	5.9055"	150.000mm
Lead	62.1246"	1577.964mm	167.2584"	4248.364mm
Addendum	0.2953"	7.500mm	0.1601"	4.066mm
Dedendum	0.1772"	4.500mm	0.3063"	7.779mm
Span Sizes Over () Teeth	2.1804"(4)	55.382mm(4)	5.7086"(10)	144.999mm(10)
Size Over 2 Pins	5.9012"	149.890mm	14.6397"	371.849mm
Measuring Pins Dia	0.3307"	8.400mm Diameter Pins		
Size from CL & Over 1 Pin	2.9506"	74.945mm	7.3199"	185.925mm
P.C.D.	5.2987"	134.586mm	14.2656"	362.347mm
Root Diameter	4.9443"	125.586mm	13.6531"	346.789mm
Base Pitch	0.5811"	14.761mm		
B.C.D.	4.9583"	125.942mm	13.3494"	339.074mm
Base Helix Angle	14.076095°			
E.A.P./Start Tip C'fer Diameter	5.8892"	149.586mm	14.5858"	370.479mm
E.A.P. DOR	36.7198°		25.2245°	
H.C.P. Diameter	5.5780"	141.680mm	14.3462"	364.395mm
H.C.P. DOR	29.5253°		22.5523°	
O.P.P. Diameter	5.3314"	135.417mm	14.3537"	364.583mm
O.P.P. DOR	22.6391°		22.6391°	
L.C.P. Diameter	5.3389"	135.607mm	14.1456"	359.297mm
L.C.P. DOR	22.8736°		20.0817°	
S.A.P./T.I.F. Diameter	5.1406"	130.572mm	13.9520"	354.380mm
S.A.P./T.I.F. DOR	15.6782°		17.4091°	
S.I.C. Diameter	5.1406"	130.572mm	13.9520"	354.381mm
S.I.C. DOR	15.6792°		17.4095°	
D.P Transverse	4.9069	5.176 Mod		
Pressure Angle Transverse	20.6469°			
Circular Pitch Normal	0.6184"	15.708mm		
Circular Pitch Transverse	0.6402"	16.262mm		
Circular Pitch Axial	2.3894"	60.691mm		
Circular T/T Normal	0.38086"	9.6738mm	0.2825"	7.1744mm
Circular T/T Transverse	0.3943"	10.015mm	0.2924"	7.428mm
Tip C'fer Size	0.0000"	0.000mm	0.0000"	0.000mm
Tip C'fer Angle	0.0000°			
Top Land Start of C'fer	0.1173"	2.980mm	0.1665"	4.230mm
Top Land at O.D.	0.1133"	2.879mm	0.1609"	4.086mm
Half Total Virtual Teeth	53.2831			
Working Pressure Angle	20.8823°			
Pressure Angle of Mesh	21.5603°			
Transverse Backlash	0.0000"	0.000mm		
Addendum Modification Coefficient	0.500000		-0.186700	
Total Addendum Modification Coefficient's	0.313300			
Centre Distance	9.8425"	250.000mm		
Centre Distance T/Mesh	9.8425"	250.000mm		
T/Mesh Root Clearance	0.0775"	1.968mm	0.0714"	1.813mm
Max Fillet Root Radius	0.0813"	2.064mm	0.0846"	2.148mm
Profile+Face= Contact Ratio	1.5197 +	2.4715 =	3.9912	
Gear Ratio	0.3714			