

Hob Head Setting Angle (HHSA) Data for Worm Wheel Hob C 57

WORM DATA :-

NUMBER OF STARTS	z1	3	RIGHT HAND	
QUOTIENT	q	10.000000	PROFILE TYPE	INVOLUTE ZI
AXIAL MODULE	mx1	0.157480"		4.0000 mm
NORMAL MODULE	mn1	0.150839"		3.8313 mm
AXIAL DIAMETRAL PITCH		6.350000		
NORMAL DIAMETRAL PITCH		6.629595		
PITCH CIRCLE DIA	d1	1.574803"		40.0000 mm
LEAD	pz1	1.484217"		37.6991 mm

HOB DATA :-

AXIAL MODULE	0.156638"	3.9786 mm
LEAD	1.476282"	37.4976 mm

Hob OD	Ref Dia	Oversize	Estimated Setting Angle	Tilt %	Record Actual Angle
51.800	42.225	2.225	0° 57' 48"	1.681	
51.700	42.125	2.125	0° 55' 12"	1.606	
51.600	42.025	2.025	0° 52' 36"	1.530	
51.500	41.925	1.925	0° 50' 0"	1.455	
51.400	41.825	1.825	0° 47' 24"	1.379	
51.300	41.725	1.725	0° 44' 48"	1.303	
51.200	41.625	1.625	0° 42' 12"	1.228	
51.100	41.525	1.525	0° 39' 37"	1.152	
51.000	41.425	1.425	0° 37' 1"	1.077	
50.900	41.325	1.325	0° 34' 25"	1.001	
50.800	41.225	1.225	0° 31' 49"	0.926	
50.700	41.125	1.125	0° 29' 13"	0.850	
50.600	41.025	1.025	0° 26' 37"	0.774	
50.500	40.925	0.925	0° 24' 2"	0.699	
50.400	40.825	0.825	0° 21' 26"	0.623	
50.300	40.725	0.725	0° 18' 50"	0.548	
50.200	40.625	0.625	0° 16' 14"	0.472	
50.100	40.525	0.525	0° 13' 38"	0.397	
50.000	40.425	0.425	0° 11' 2"	0.321	
49.900	40.325	0.325	0° 8' 26"	0.246	
49.800	40.225	0.225	0° 5' 51"	0.170	
49.700	40.125	0.125	0° 3' 15"	0.094	

