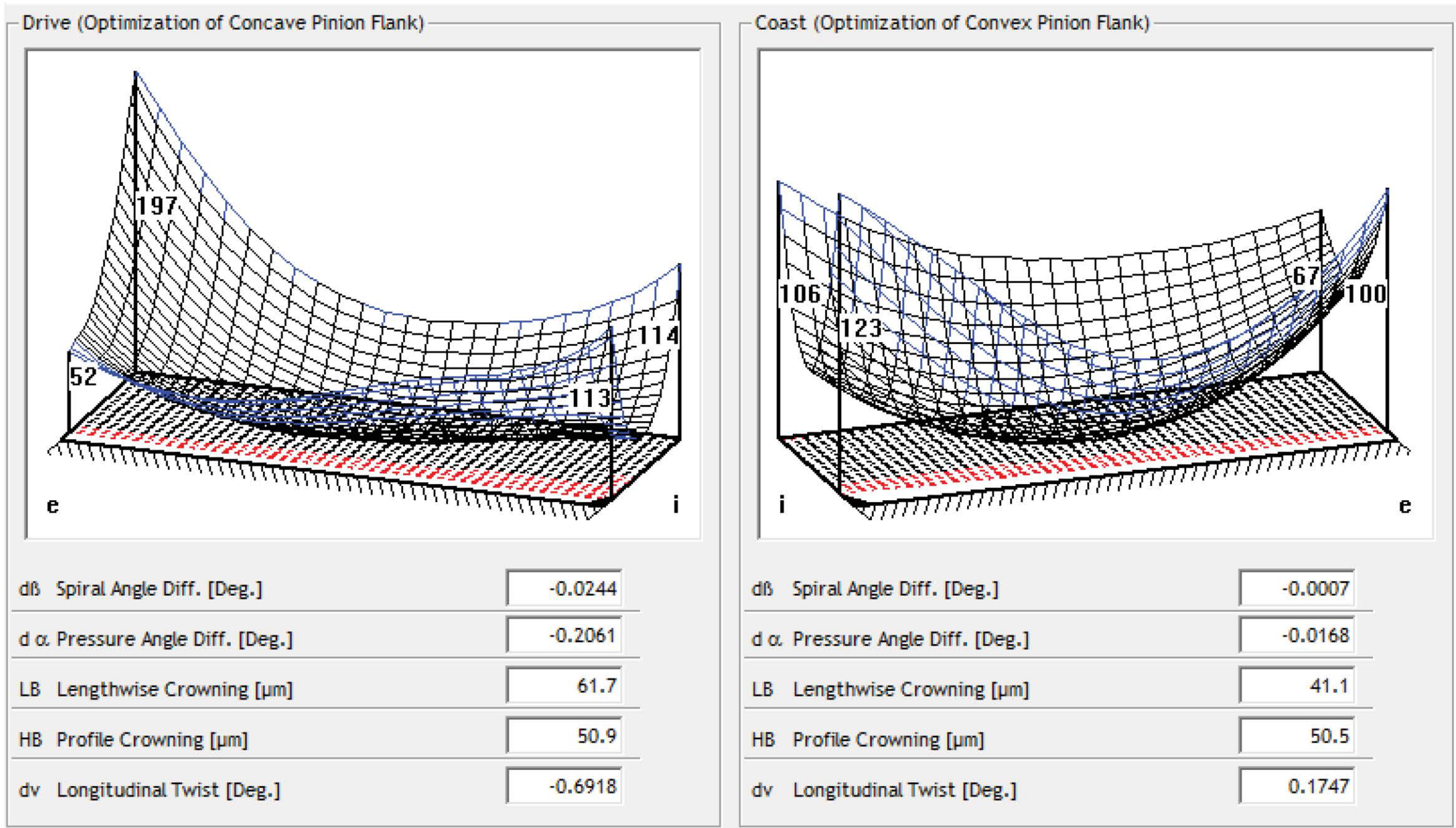


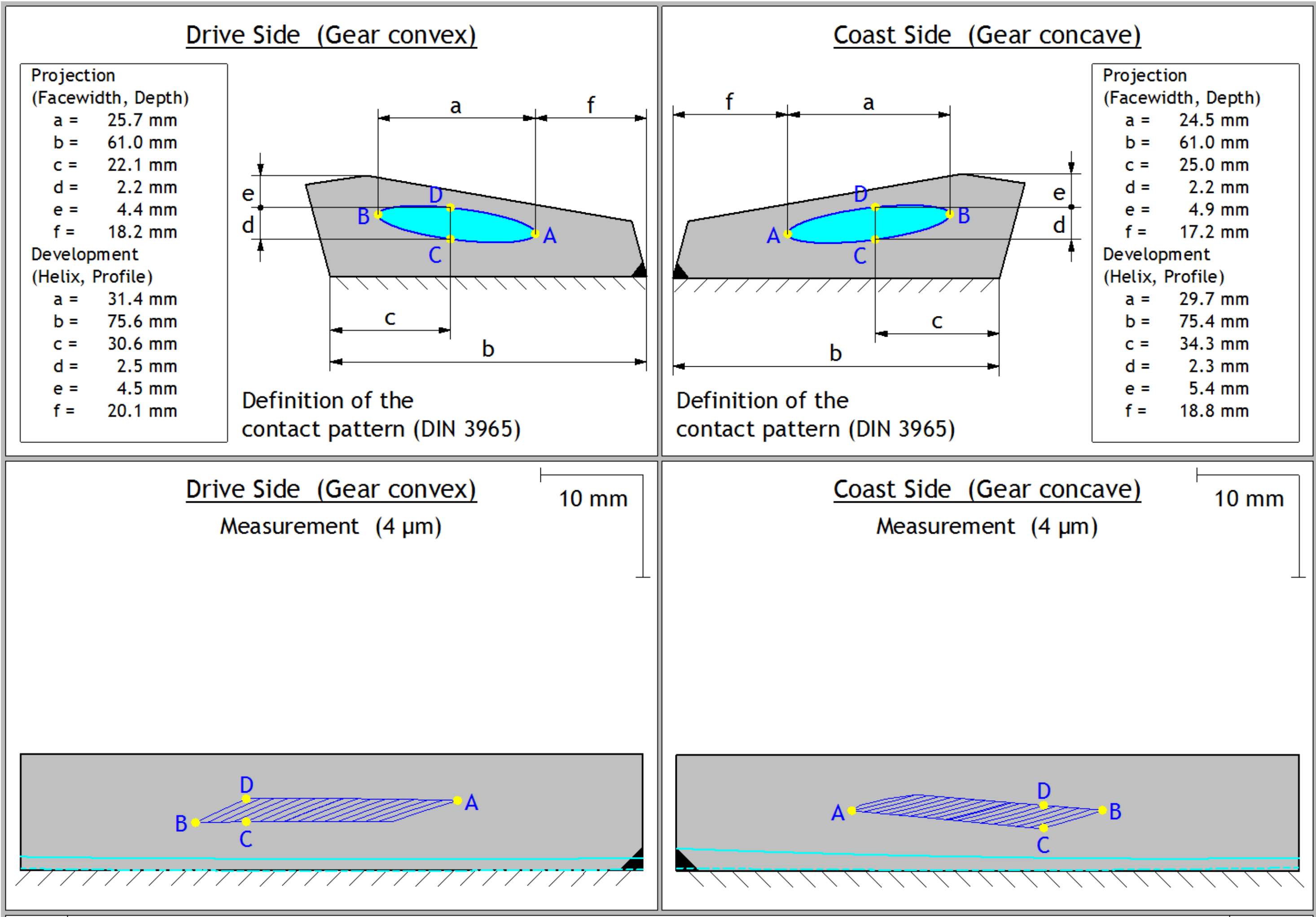
EASE OFF



GRINDING

KLINGELNBERG HYPOID - GEAR GRINDING				
D	Axis angle	Sigma	°	90
	Offset (center distance)	a	mm	+30
	Hand of gear	Right		
	Number of teeth	z		49
	Theoretical facewidth	b	mm	61
	Reference diameter Middle	d _m	mm	301.045
	Reference diameter Outside	d _e	mm	360.0017
	Normal module in the middle	m _{mn}	mm	5.0327
	Helix angle in the middle	bet _m	°	35
	Cone angle	delta	°	75.1267
	Medium normal pressure angle	alfa	°	20
	Angle modification	thek	°	0
	Tooth height	H	mm	11.3236
	Addendum Reference profile	h _{ap}	module	1
	Dedendum Reference profile	h _{fp}	module	1.25
	Root radius factor	rho _{fp}	module	0.3
	Profile shift coefficient	x _{hm}		-0.45
	Tooth thickness modification factor	xs _{mn}		-0.006
	Length of reference cone outside	R _e	mm	186.24
	Length of reference cone middle	R _m	mm	155.7407
Length of reference cone inside	R _i	mm	125.24	
Tooth quality	6 as per DIN 3965			
Machining process	GRINDING			
TOOL				
Cutter radius	R	mm	100	
Cutter module	m ₀	mm	5	
Number ofcutter blade groups	Z ₀		5	
BACKLASH				
Mean Transverse Backlash	j _{mt}	mm	0.2255	
Outer Normal Backlash (Tip)	j _{ne}	mm	0.1670	

CONTACT PATTERN ANALYSIS



Unless otherwise specified :
-Deburr all sharp edges with 0.3-0.5 x 45°
-General roughness Ra=6.3
Unless otherwise specified, tolerances according to ISO 2768 -mK

01	ENGRANAJE CONICO	1	18CrNiMo7-6 EN 10084		4	17.9	
MARCA	DESCRIPCION	CANT.	CODIFICACION O NORMA	MATERIAL O REFERENCIA	PESO UNITARIO	(mm) DIMENSIONES	
			N° DIBUJO O CALIDAD MATERIAL:				NOTAS Y OBSERVACIONES
MODIFICACIONES							
				</			