

Gear data GLEASON HYPOID		
Summary no.	17265754	
Shaft angle	90°	
No. of teeth	37	
Module	11,081	
Pinion offset	38,1	
Pressure angle concave/convex	23° 16' / 21° 44'	
Mean spiral angle/direction	31° 18' / RH	
Pitch diameter	410,00	
Normal chordal thickness	-	
Working depth	20,09	
Addendum	3,71	
Dedendum	19,32	
Chordal addendum	-	
Tooth tolerances [μm]		
Datum	A - B	
Transverse pitch deviation	$f_{pt}$	45 [3]
Transverse tooth-to-tooth pitch deviation	$\Delta f_{pt}$	50 [3]
Total cumulative pitch deviation	$F_p$	160 [3]
Radial run-out	$F_r$	130 [3]
Circumferential backlash	0,30 - 0,46	
Mating part no./No. of teeth	17240320 / 13	

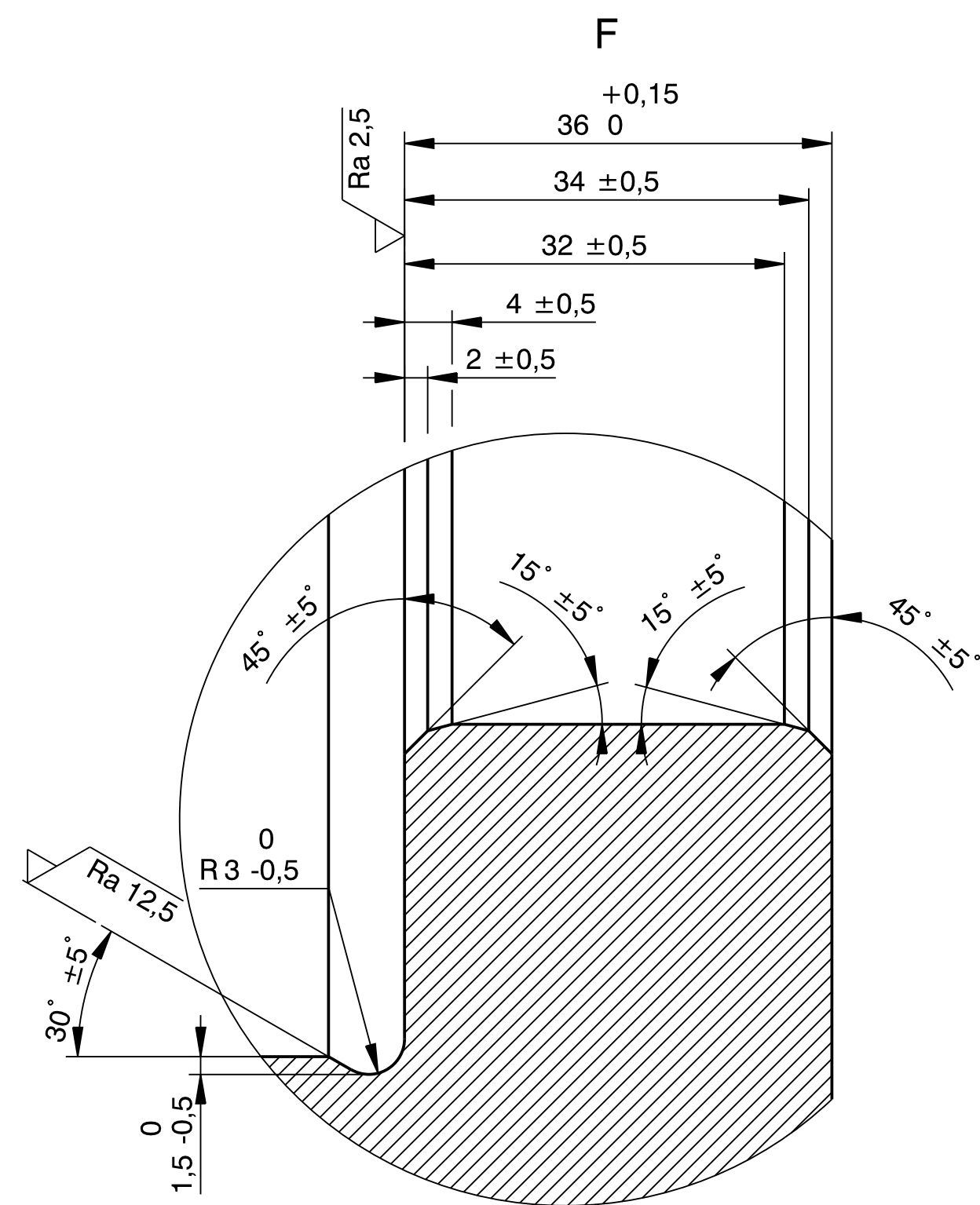
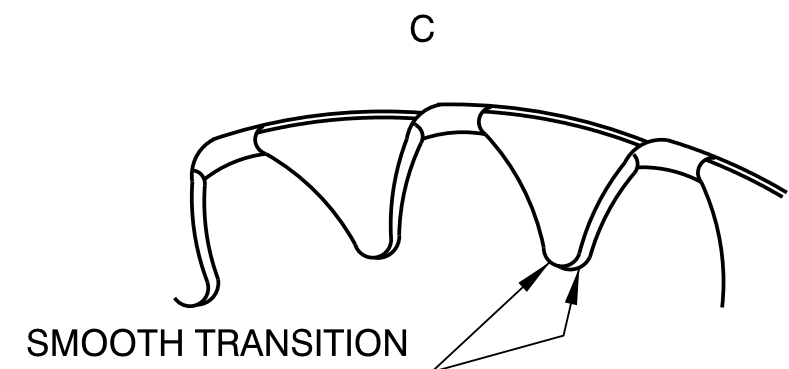
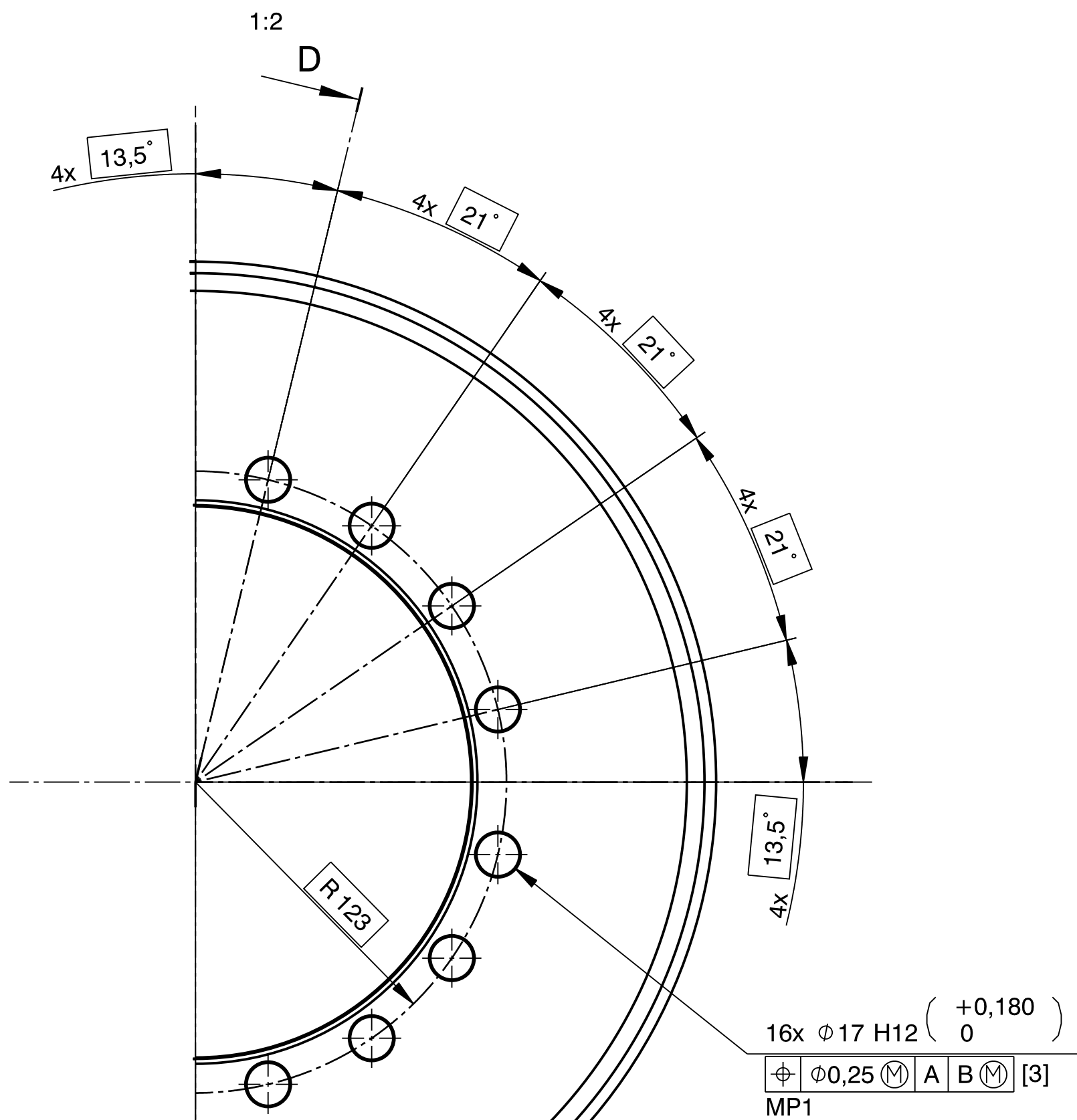
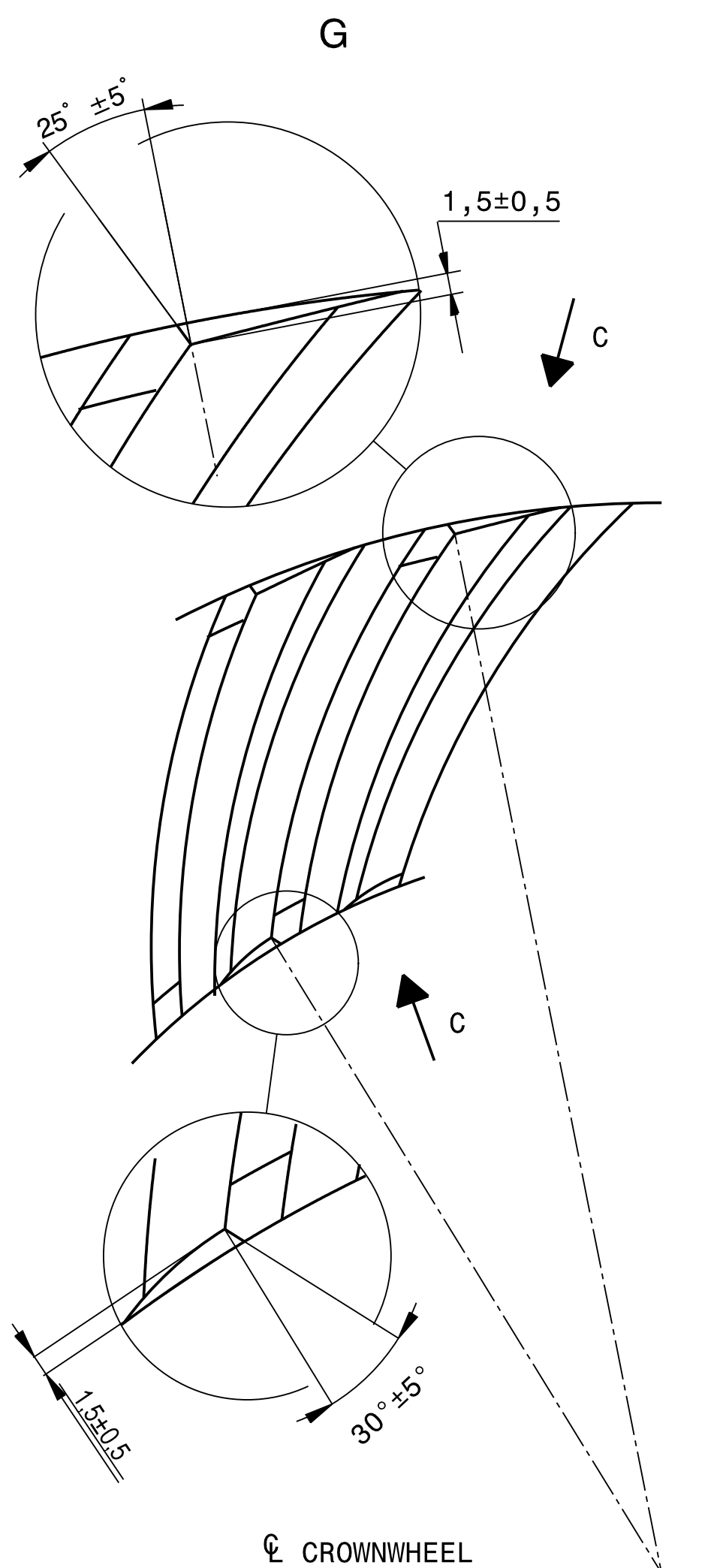
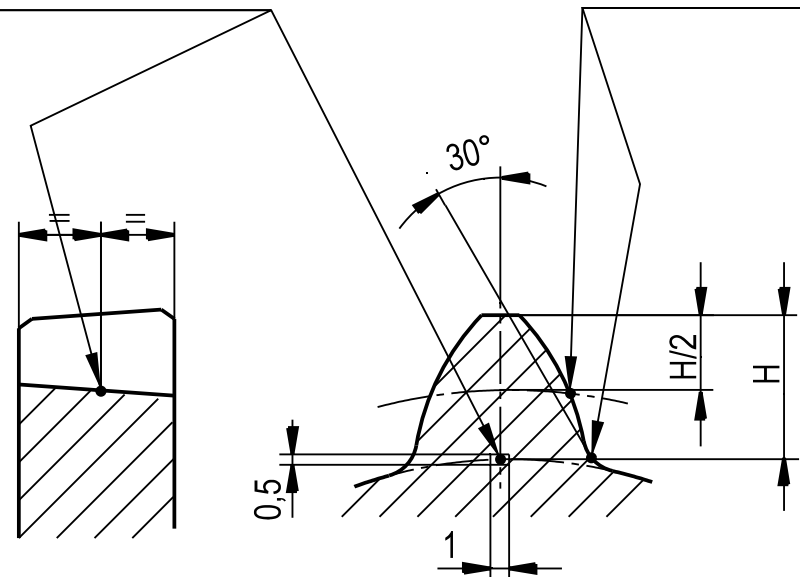


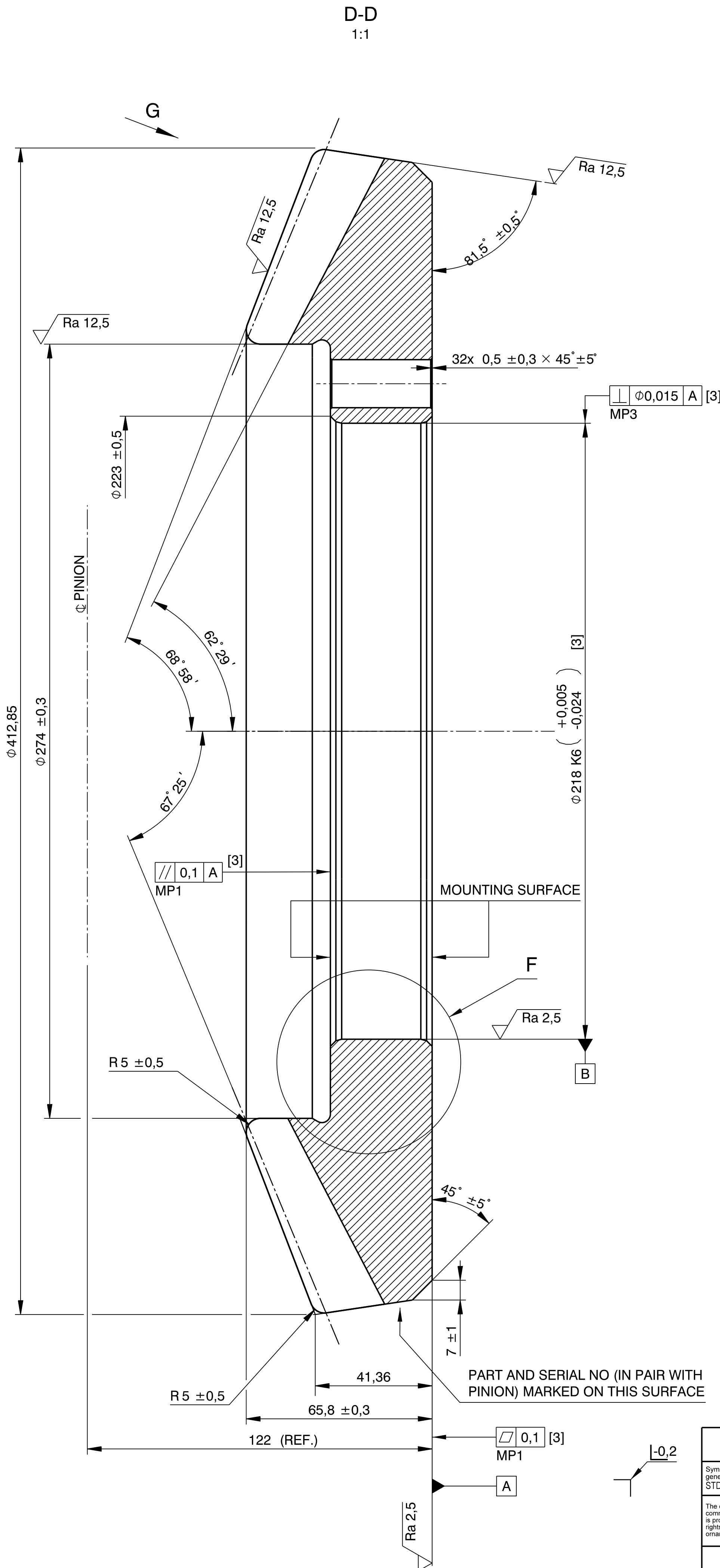
Fig.1

CORE HARDNESS CHECKED  
WITHIN THIS AREA

CHECKING POINTS FOR  
CASE HARDENING DEPTH



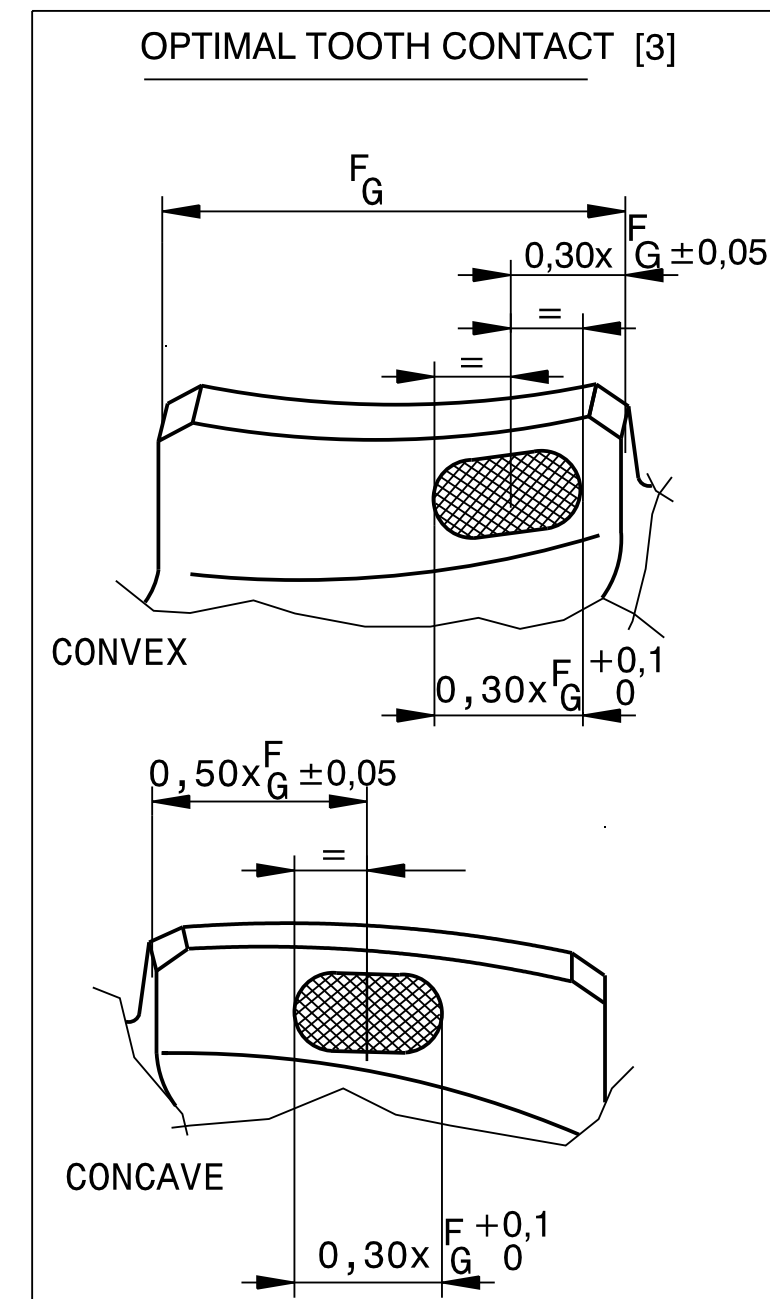
☉ CROWNWHEEL



DRIVE GEAR SET 17246478

Cleanliness requirement STD 107-0002				
Max number of particles/cm2		1500	192	12
Particle size ranges	μm	5 ≤ x < 15	15 ≤ x < 100	100 ≤ x < 200
Max number of particles/cm2		1	0,01	1
Particle size ranges	μm	200 ≤ x < 500	500 ≤ x	
Wetted surface	cm²	4200		

1) Non metallic particles allowed [3]



CRITICAL CHARECTERISTICS STD 105-0001

ROOT CORE HARDNESS 350-420 HV [3] See fig.1

DC GEAR TOOTH MIN 1,2 [2] See fig.1  
DC OTHER SURFACESS 1,6 ± 0,3 [3]  
STD 1094.1 [3]

PHOSPHATED ACC. TO Y104-3 REG STD 5742,104  
AFTER LAPPING [3]

DIMENSIONS, TOLERANCES AND SURFACE  
REQUIREMENTS ARE VALID  
PRIOR TO PHOSPHATING

MATERIAL V-2525-95 S=0,015-0,035 STD 1125,251 [3]

ALT.MATERIAL SEE TECHNICAL REGULATION 766083

STD 1006,501 FORGING CLASS III

Refer to the Part Version Report for the correct document issue

Symbols, designations and general drawing methods STD 101-0005	View placement Reference arrow method ISO 128-30:2001	Document release status <b>Released</b>	
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