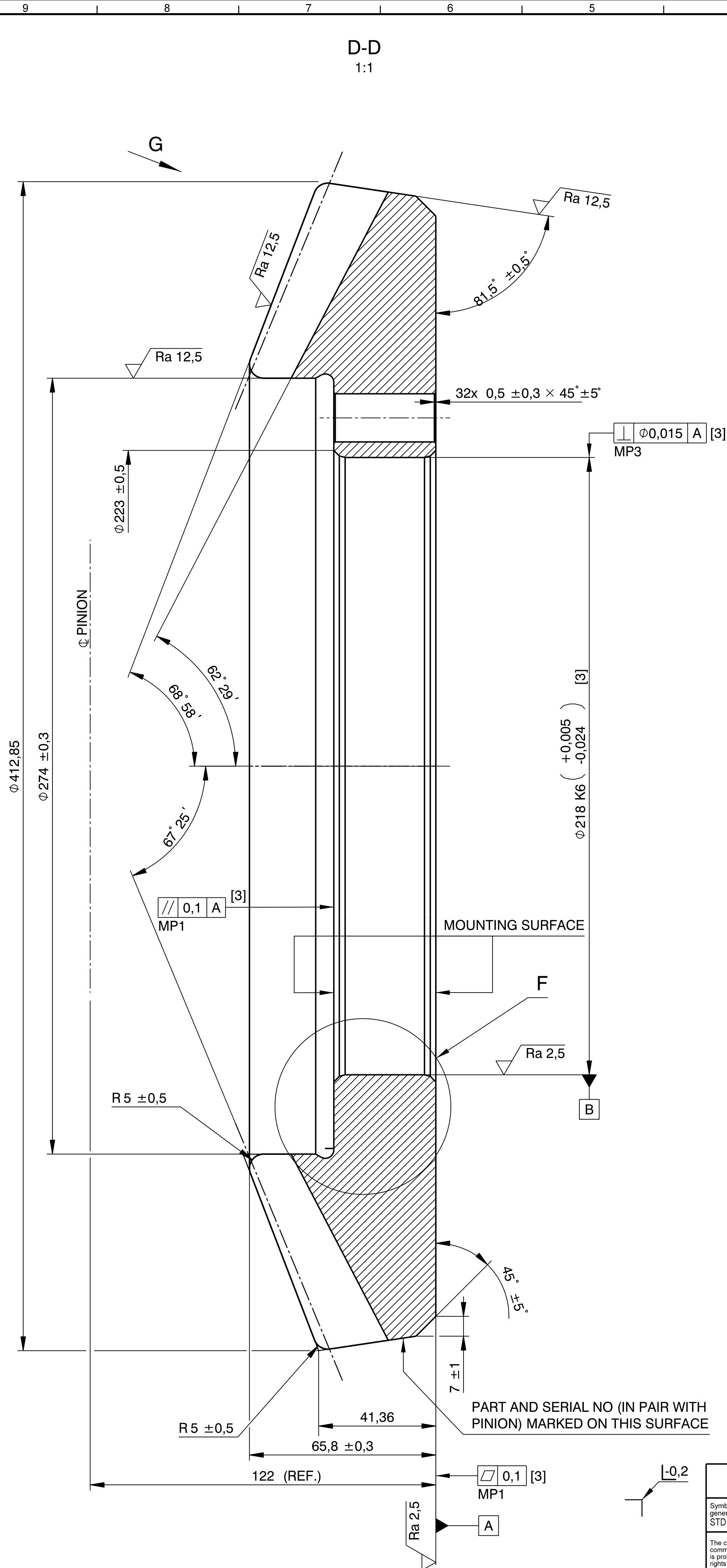
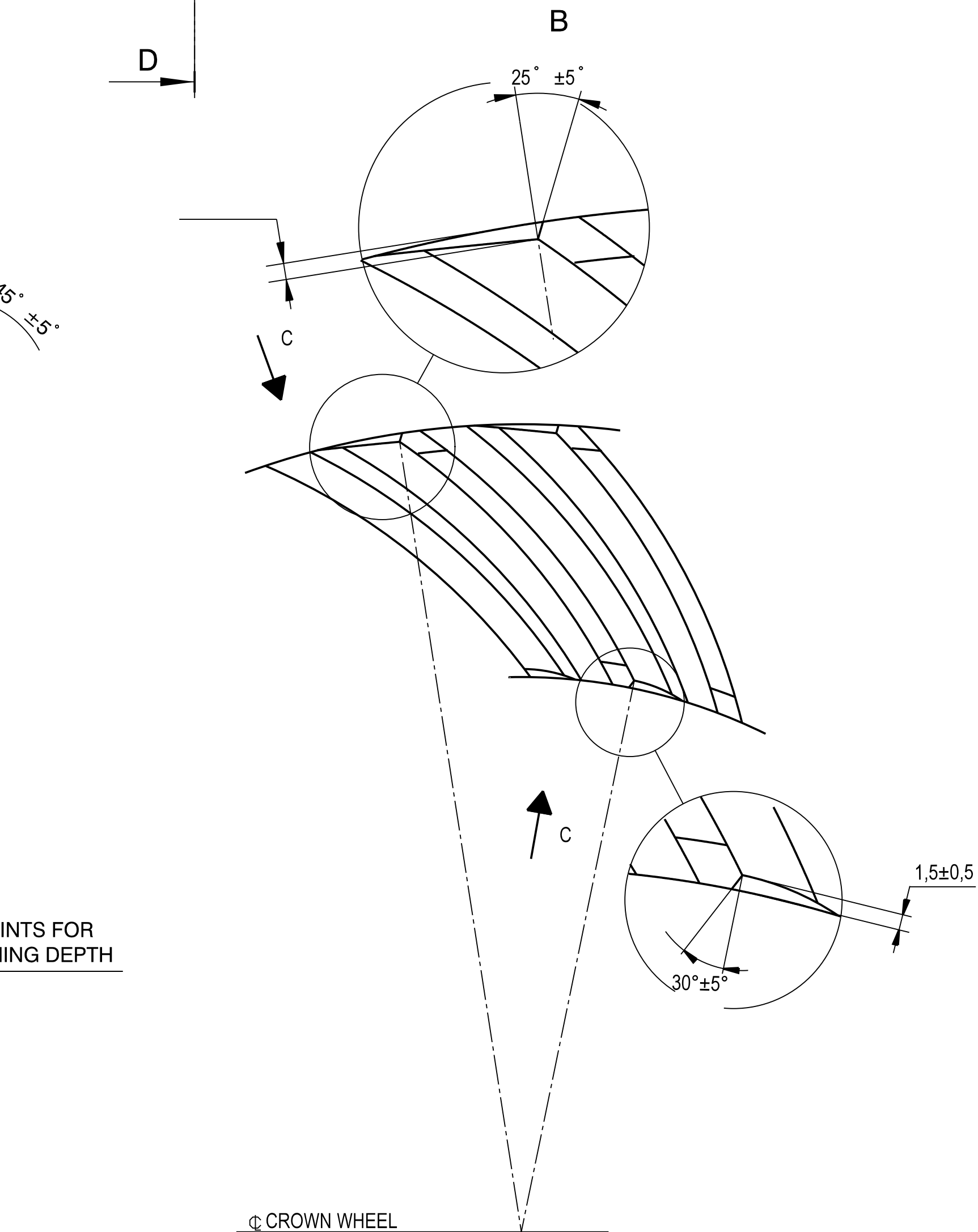
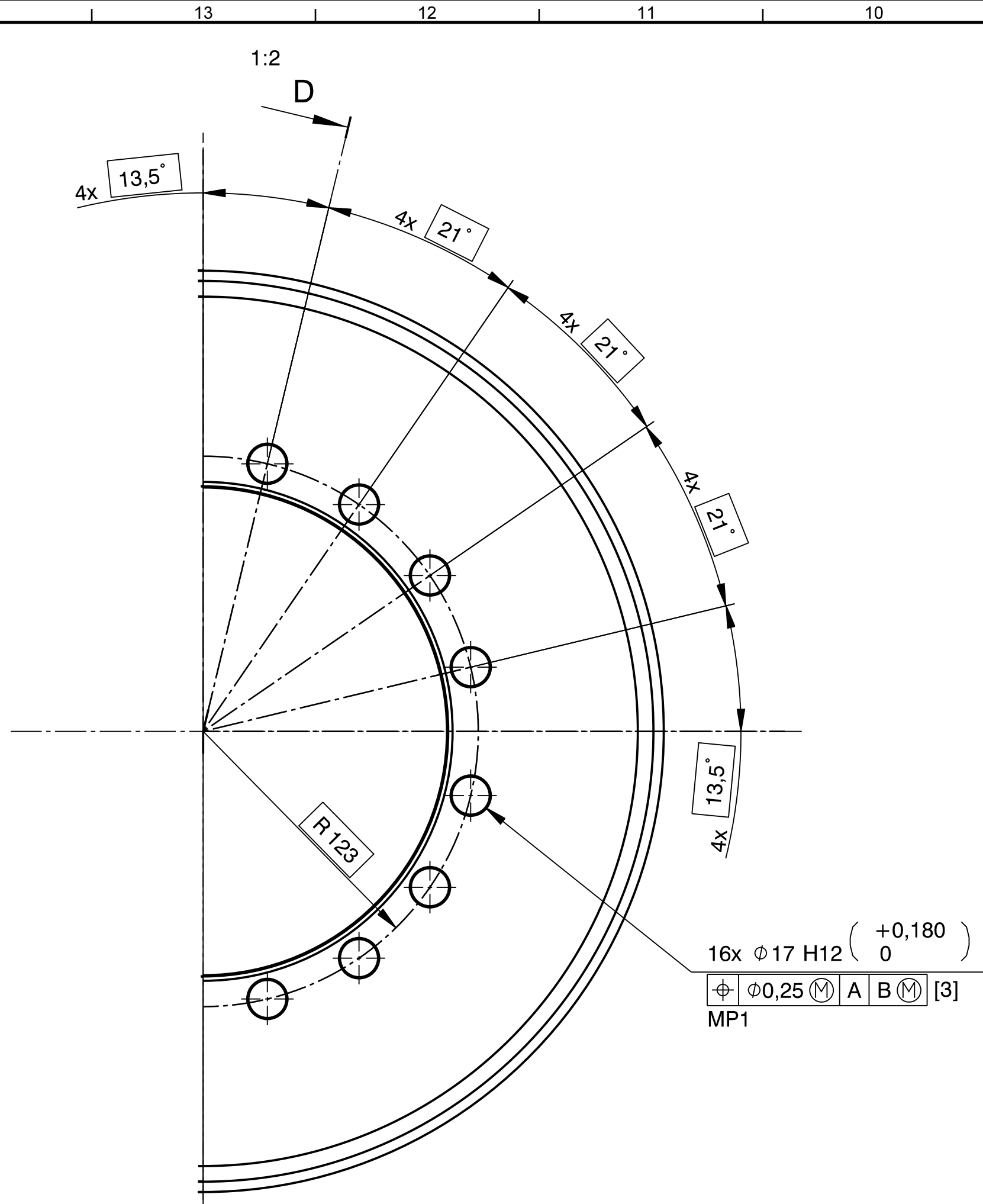
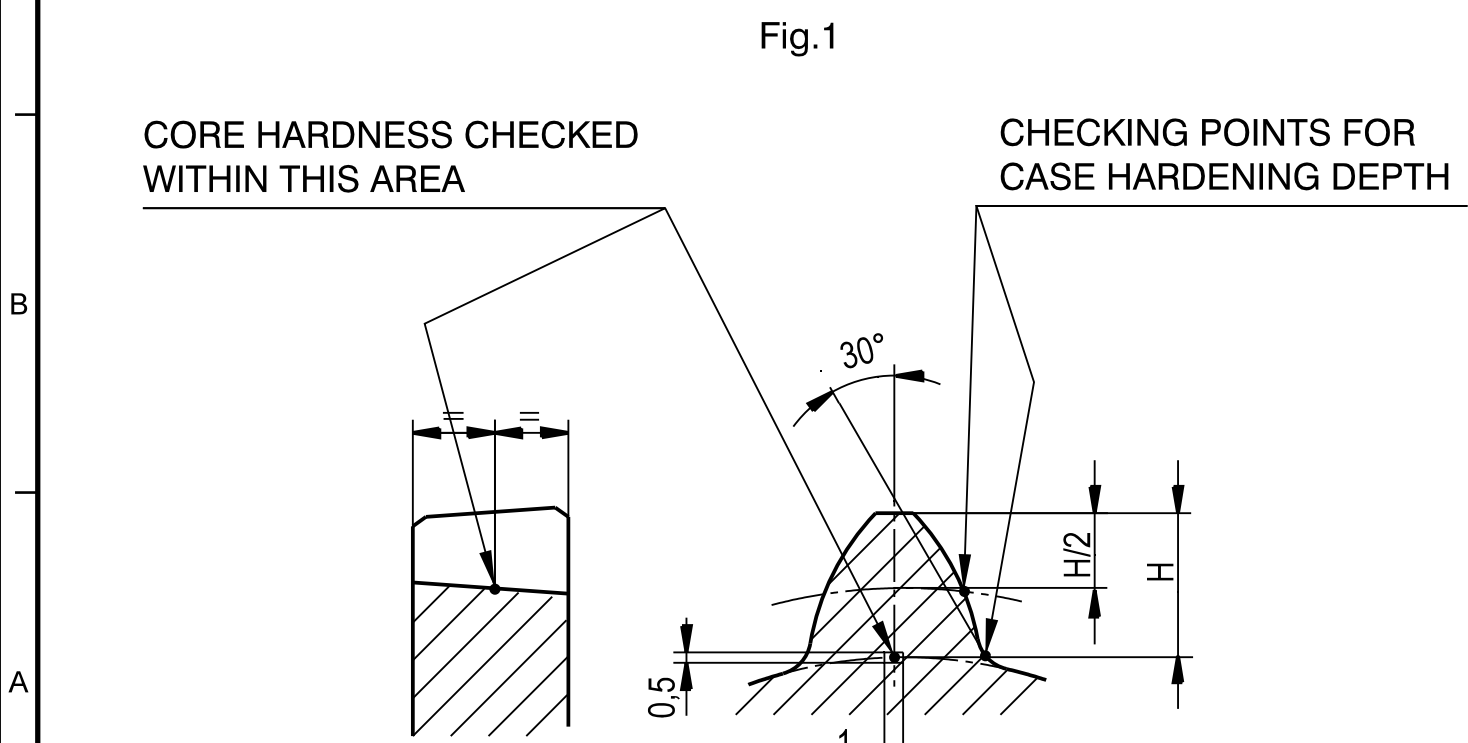
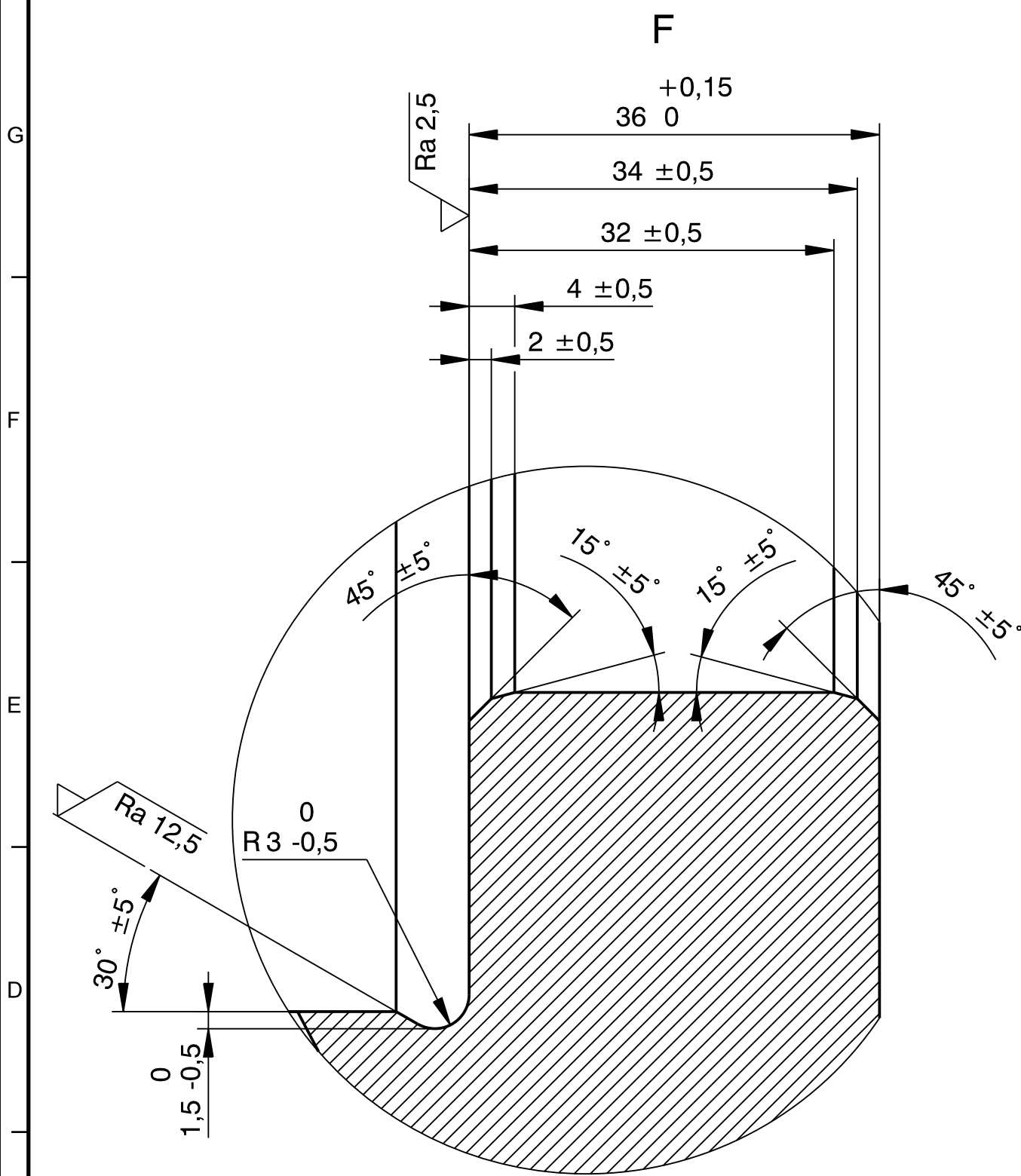
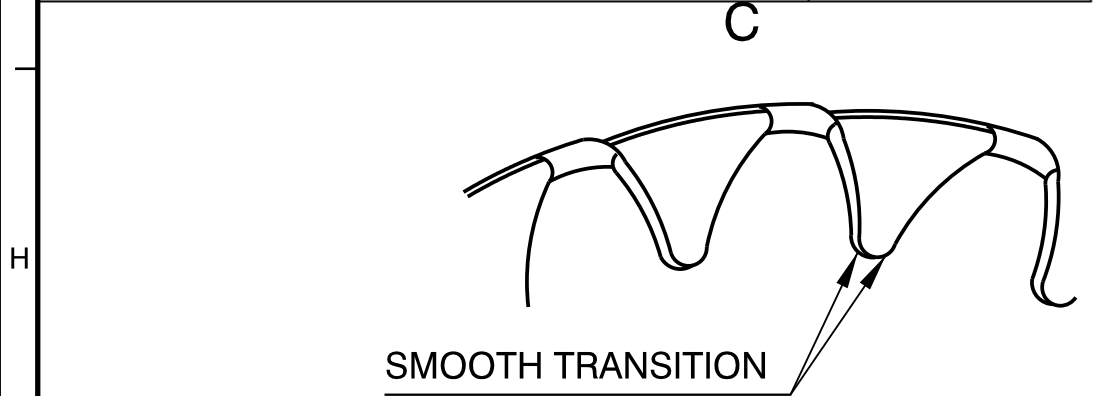
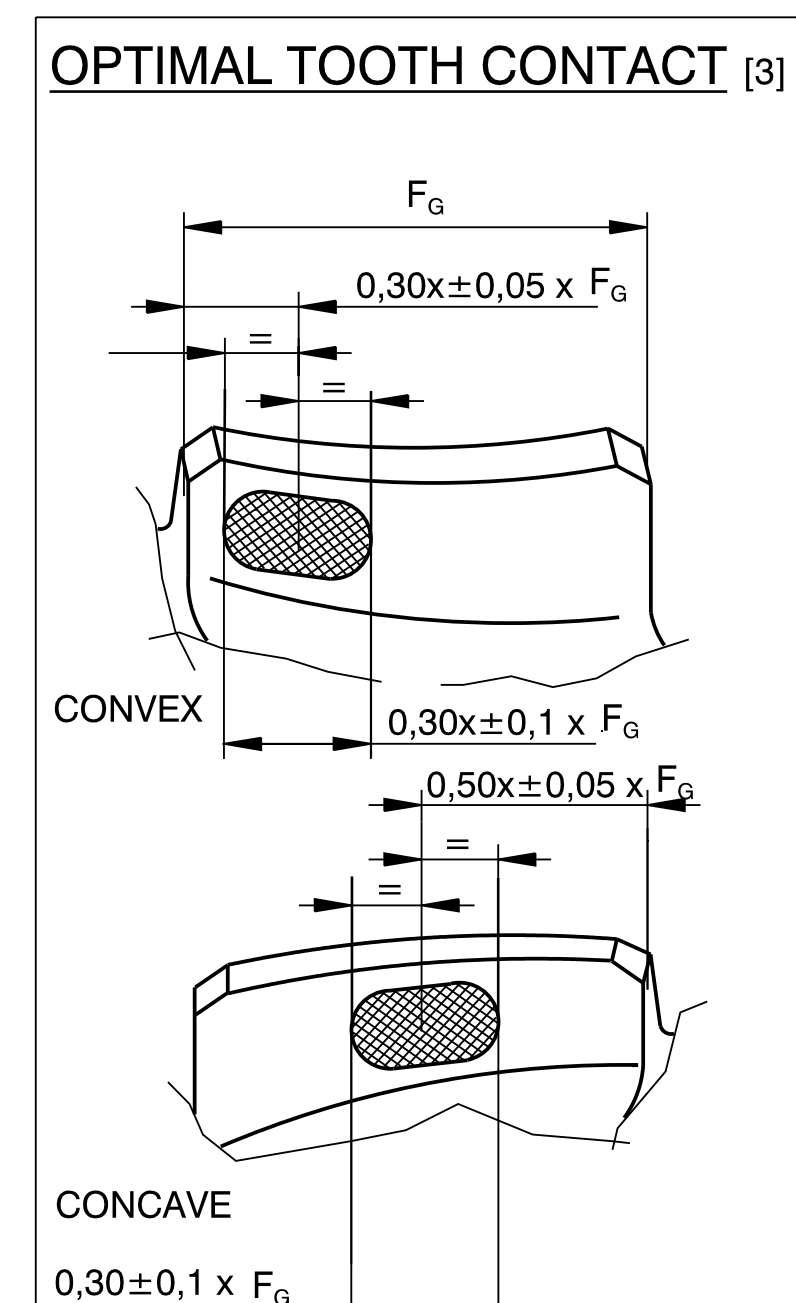


	17	16	15	
	Gear data GLEASON HYPOID			
M	Summary no.		17266209	
	Shaft angle		90°	
	No. of teeth		37	
	Module		11,081	
	Pinion offset		38,1	
	Pressure angle concave/convex		23° 16' / 21° 44'	
L	Mean spiral angle/direction		31°18'/LH	
	Pitch diameter		410,00	
	Normal chordal thickness		-	
	Working depth		20,09	
	Addendum		3,71	
	Dedendum		19,32	
K	Chordal addendum		-	
	Tooth tolerances [μm]			
	Datum		A - B	
	Transverse pitch deviation		f <sub>pt</sub>	45 [3]
	Transverse tooth-to-tooth pitch deviation		Δ f <sub>pt</sub>	50 [3]
	Total cumulative pitch deviation		F <sub>p</sub>	160 [3]
	Radial run-out		F <sub>r</sub>	130 [3]
J	Circumferential backlash		0,30 - 0,46	
	Mating part no./No. of teeth		17240322 / 13	



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 Released	
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VOLVO Construction Equipment		Document type DRAWING	
Owner domain: Document prefix ...		Document No. 17240330	
		Issue 06	Sheet No 1/1

DRIVE GEAR SET 17246479