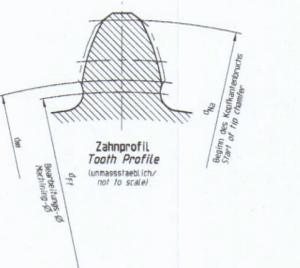
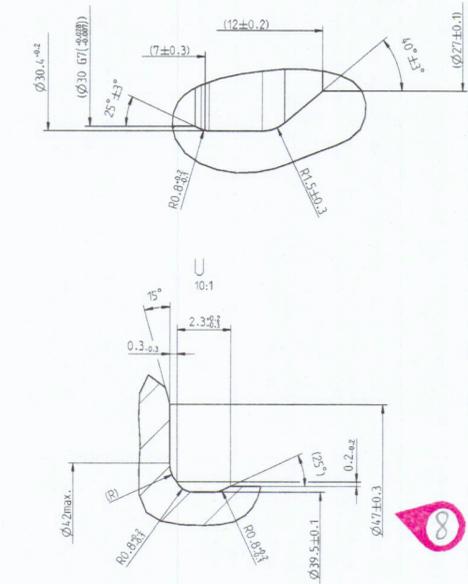
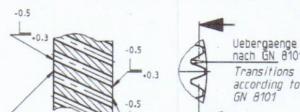


Design-Release: 2014-10-22 Jan.Burkhardt
 Function-Release: 2014-10-22 Michael.Barth
 Geardata-Release: 2011-07-08 T.A. Holger Passen
 SAP-Release: 2014-10-23 Hartmut.Kobald

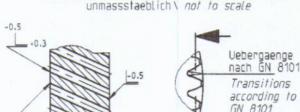
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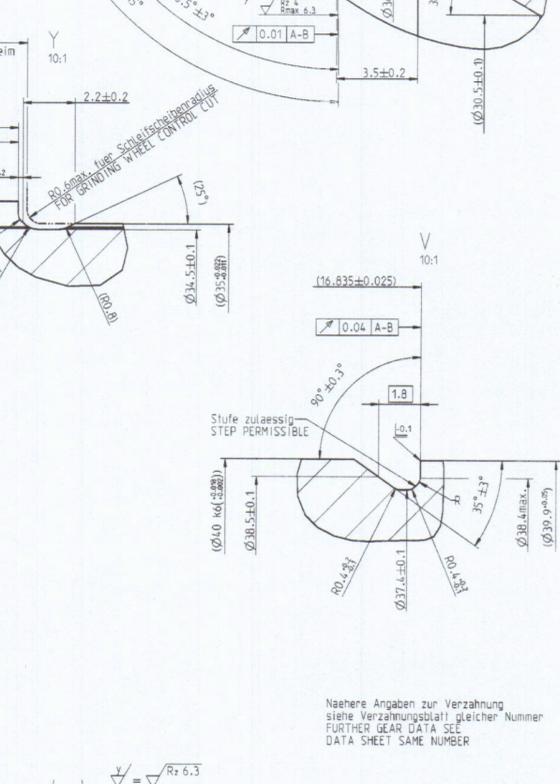
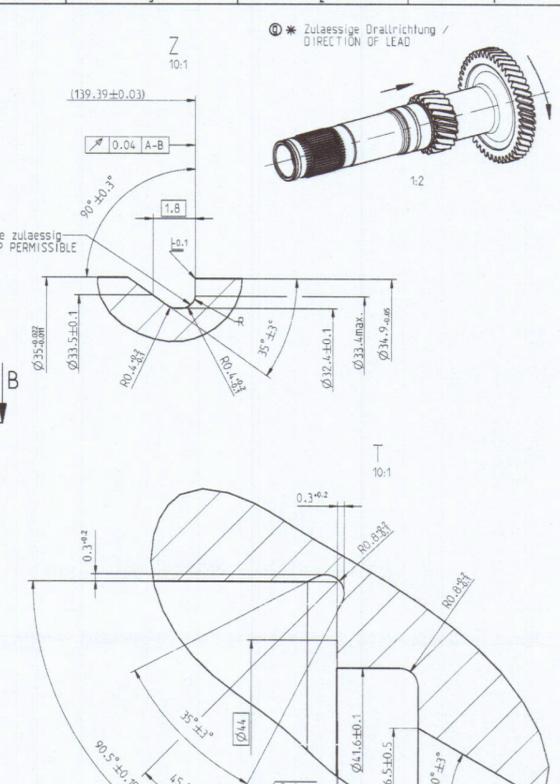
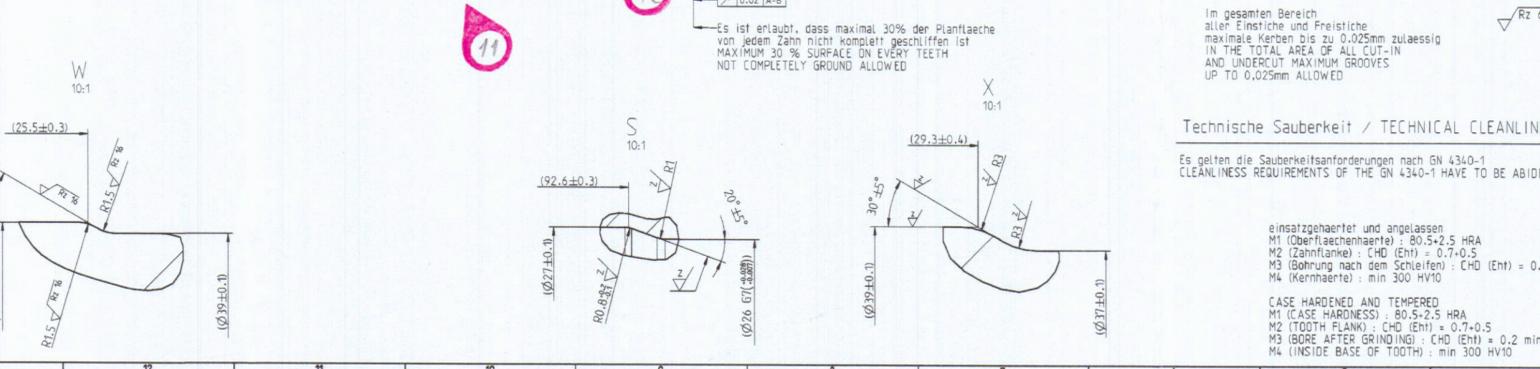
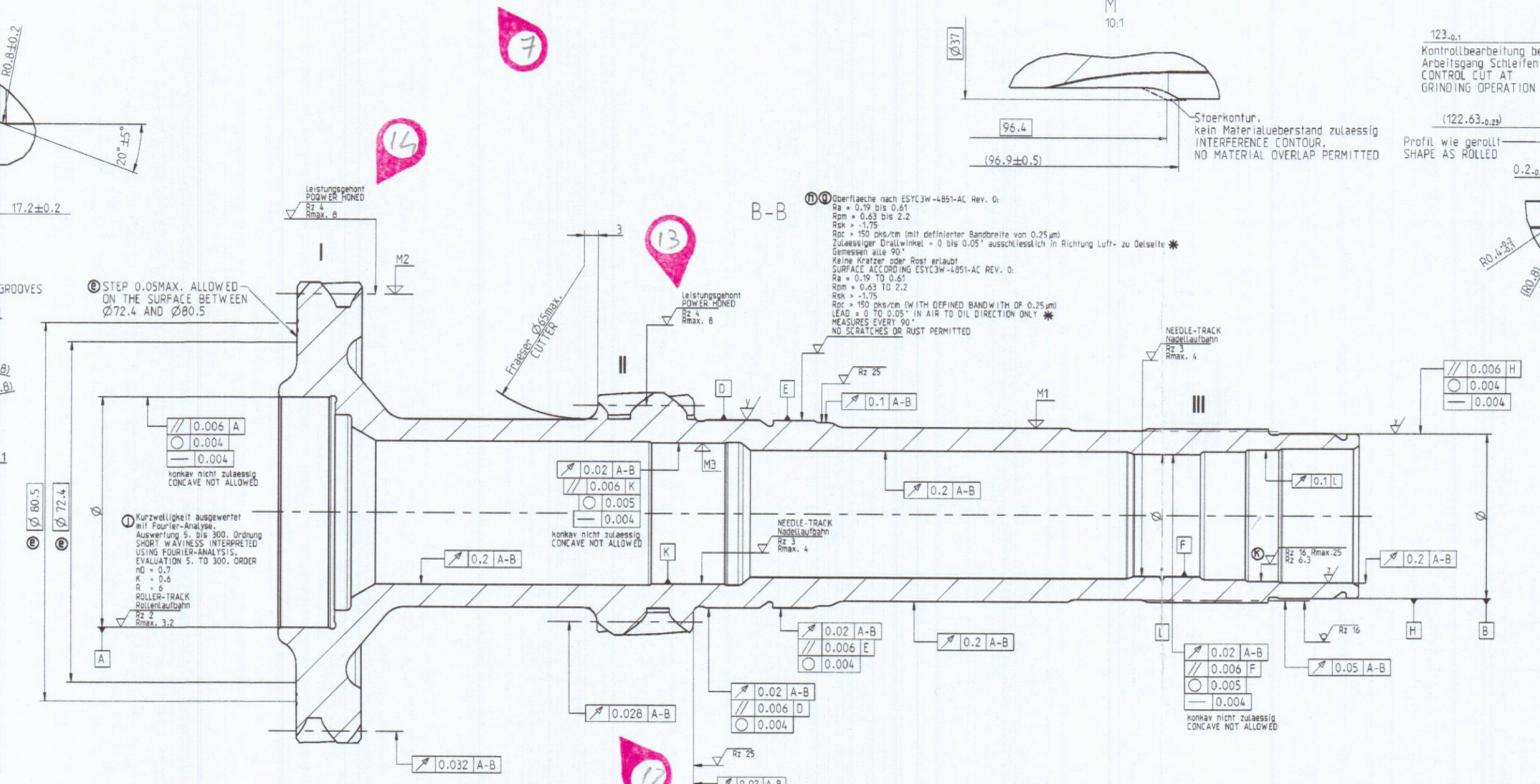
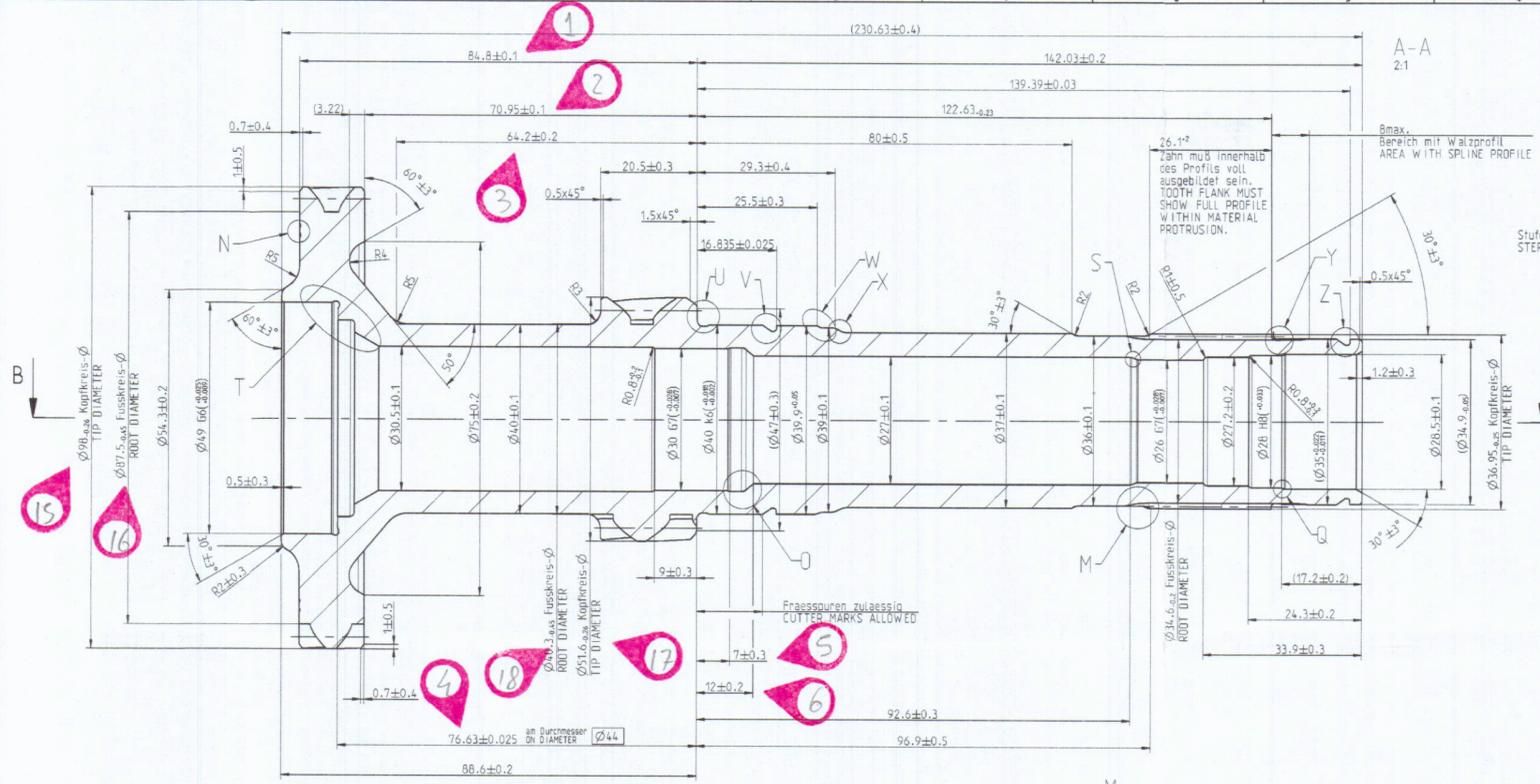
Kanten an Laufverzahnungen \ Tooth chamfers
 unmasштаblich \ not to scale



Kanten an Laufverzahnungen \ Tooth chamfers
 unmasштаblich \ not to scale



Aussenverzahnung / EXTERNAL GEAR		Zahnwelle / SPLINE DATA EXTERNAL		SAE PIPs : 32164
Modul / NORMAL MODULE m_n	1.750	2.000	0.793750	
Zahnanzahl / NUMBER OF TEETH z	47	21	46	
Erdringdruck / NORM. PRESSURE ANGLE α_n	17.5°	20.0°	30.0°	
Schraegdruckwinkel / HELIX ANGLE β	27.3°	22.0°	0°	
Richtung / HAND OF HELIX	RIGHT, rechts	RIGHT, rechts	STRAIGHT, gerade	
Bezugsprofil / BASIC PITCH				
Profilverschiebung/ADDENDUM MODIFICATION x_n	0.350	0.780	-0.166	
Qualitat / GEAR TOOTH QUALITY (DIN3681)	B	B		
Toleranzklasse / TOLERANCE CLASS			5	
Zahnweite / TOOTH THICKNESS s_n	effective max.		1.056	
Zahnweite / TOOTH THICKNESS s_n	max.	2.970	3.709	1.013
Zahnweite / TOOTH THICKNESS s_n	min.	2.940	3.679	0.978
Modul / BALL DIA d_b	max.	3.00	3.00	1.50
Modul / BALL DIA d_b	min.	97.331	49.712	36.441
Modul / BALL DIA d_b	min.	97.248	49.643	36.382



Aussenverzahnung / EXTERNAL GEAR		Zahnwelle / SPLINE DATA EXTERNAL		SAE PIPs : 32164
Modul / NORMAL MODULE m_n	1.750	2.000	0.793750	
Zahnanzahl / NUMBER OF TEETH z	47	21	46	
Erdringdruck / NORM. PRESSURE ANGLE α_n	17.5°	20.0°	30.0°	
Schraegdruckwinkel / HELIX ANGLE β	27.3°	22.0°	0°	
Richtung / HAND OF HELIX	RIGHT, rechts	RIGHT, rechts	STRAIGHT, gerade	
Bezugsprofil / BASIC PITCH				
Profilverschiebung/ADDENDUM MODIFICATION x_n	0.350	0.780	-0.166	
Qualitat / GEAR TOOTH QUALITY (DIN3681)	B	B		
Toleranzklasse / TOLERANCE CLASS			5	
Zahnweite / TOOTH THICKNESS s_n	effective max.		1.056	
Zahnweite / TOOTH THICKNESS s_n	max.	2.970	3.709	1.013
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Modul / BALL DIA d_b	min.	97.331	49.712	36.441
Modul / BALL DIA d_b	min.	97.248	49.643	36.382

Technische Sauberkeit / TECHNICAL CLEANLINESS:

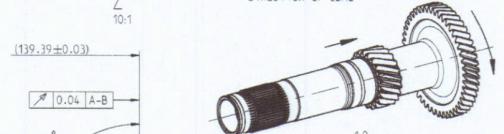
Es gelten die Sauberkeitsanforderungen nach GN 4340-1
 CLEANLINESS REQUIREMENTS OF THE GN 4340-1 HAVE TO BE ABIDED

Im gesamten Bereich aller Einsteiche und Freisteiche maximale Kerben bis zu 0,025mm zulässig IN THE TOTAL AREA OF ALL CUT-IN AND UNDERCUT MAXIMUM GROOVES UP TO 0,025mm ALLOWED

einseitiggehärtet und angelassen
 M1 (Oberflächenhärtung) : 80,5-2,5 HRA
 M2 (Zahnflanke) : CHD (Ent) = 0,7-0,5
 M3 (Bohrung nach dem Schleifen) : CHD (Ent) = 0,2 min
 M4 (Kernhärtung) : min 300 HV10

CASE HARDENED AND TEMPERED
 M1 (CASE HARDNESS) : 80,5-2,5 HRA
 M2 (TOOTH FLANK) : CHD (Ent) = 0,7-0,5
 M3 (BORE AFTER GRINDING) : CHD (Ent) = 0,2 min
 M4 (INSIDE BASE OF TOOTH) : min 300 HV10

⊙ * Zulässige Drahtrichtung / DIRECTION OF LEAD



Stufe zulässig STEP PERMISSIBLE



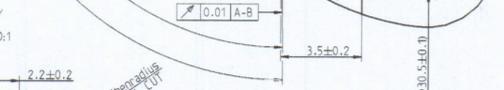
Stoerkontur, kein Materialueberstand zulässig INTERFERENCE CONTOUR, NO MATERIAL OVERLAP PERMITTED



123.01 Kontrollbearbeitung beim Arbeitgang Schleifen CONTROL CUT AT GRINDING OPERATION



Profil wie gerollt SHAPE AS ROLLED



Stufe zulässig STEP PERMISSIBLE



Naehere Angaben zur Verzahnung FURTHER GEAR DATA SEE DATA SHEET SAME NUMBER



Stufe zulässig STEP PERMISSIBLE



Stufe zulässig STEP PERMISSIBLE



Stufe zulässig STEP PERMISSIBLE



Stufe zulässig STEP PERMISSIBLE

