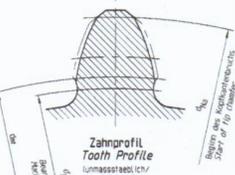
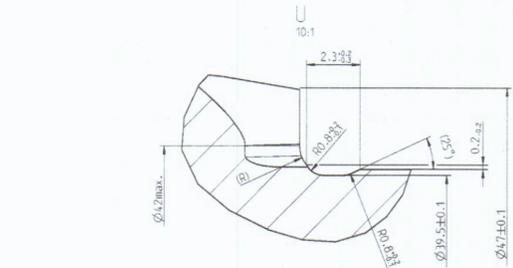
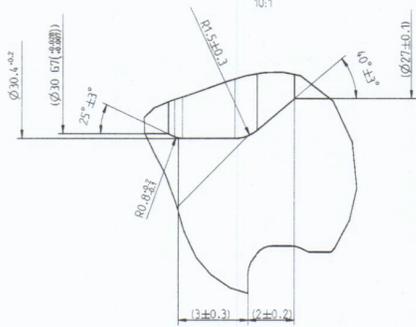
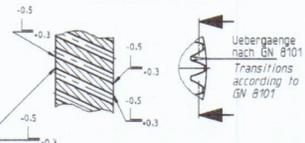


Design-Release: 2014-10-22 Jan.Burkhardt
 Function-Release: 2014-10-22 Michael.Barth
 Geardata-Release: 2012-04-10 T.A. Fabrizio Cricenti
 SAP-Release: 2014-10-23 Hartmut.Kobald

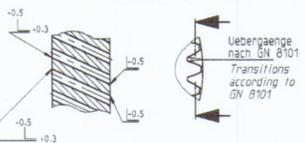
Document Status: approved



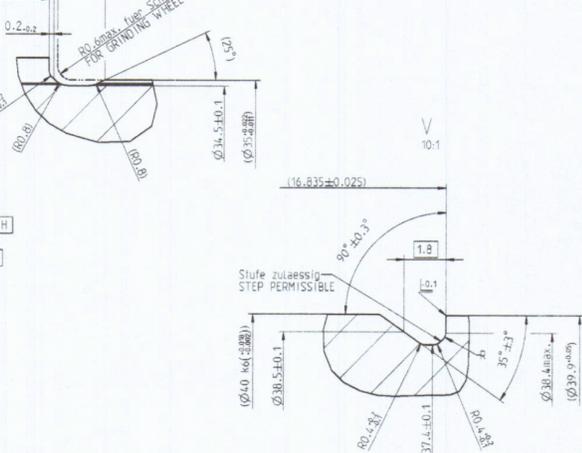
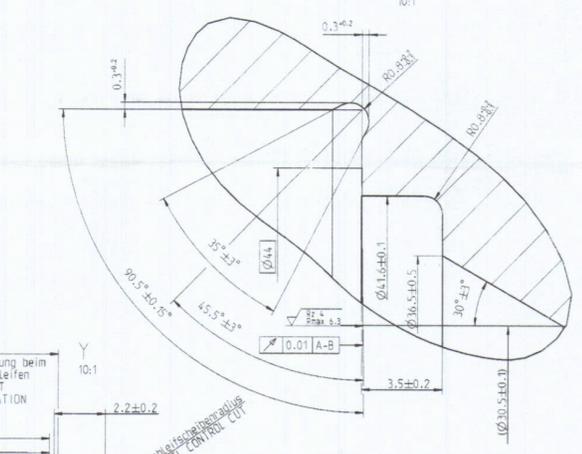
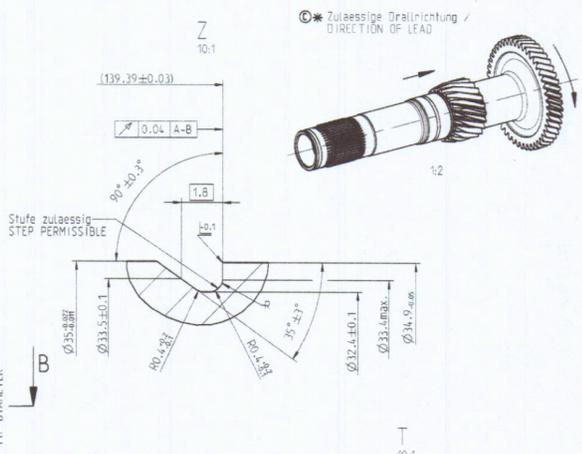
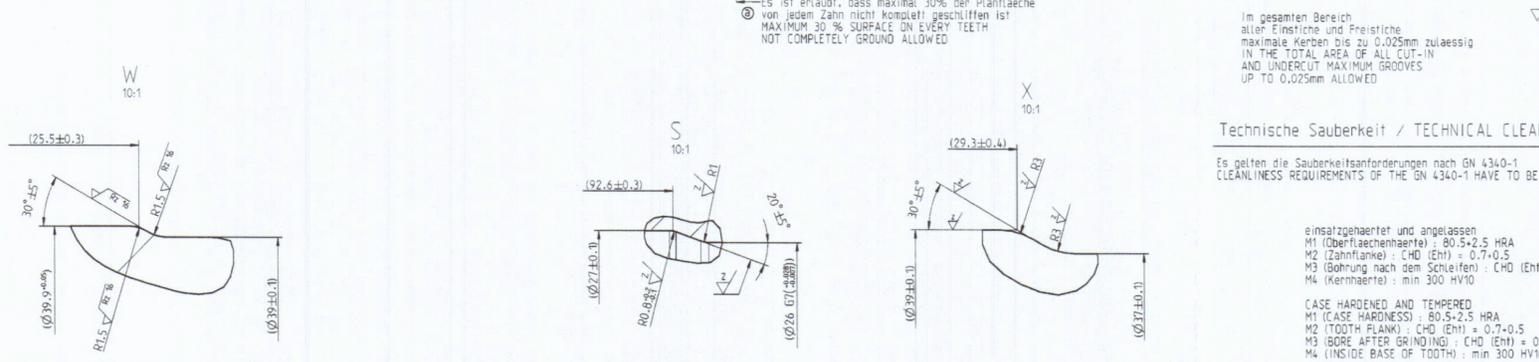
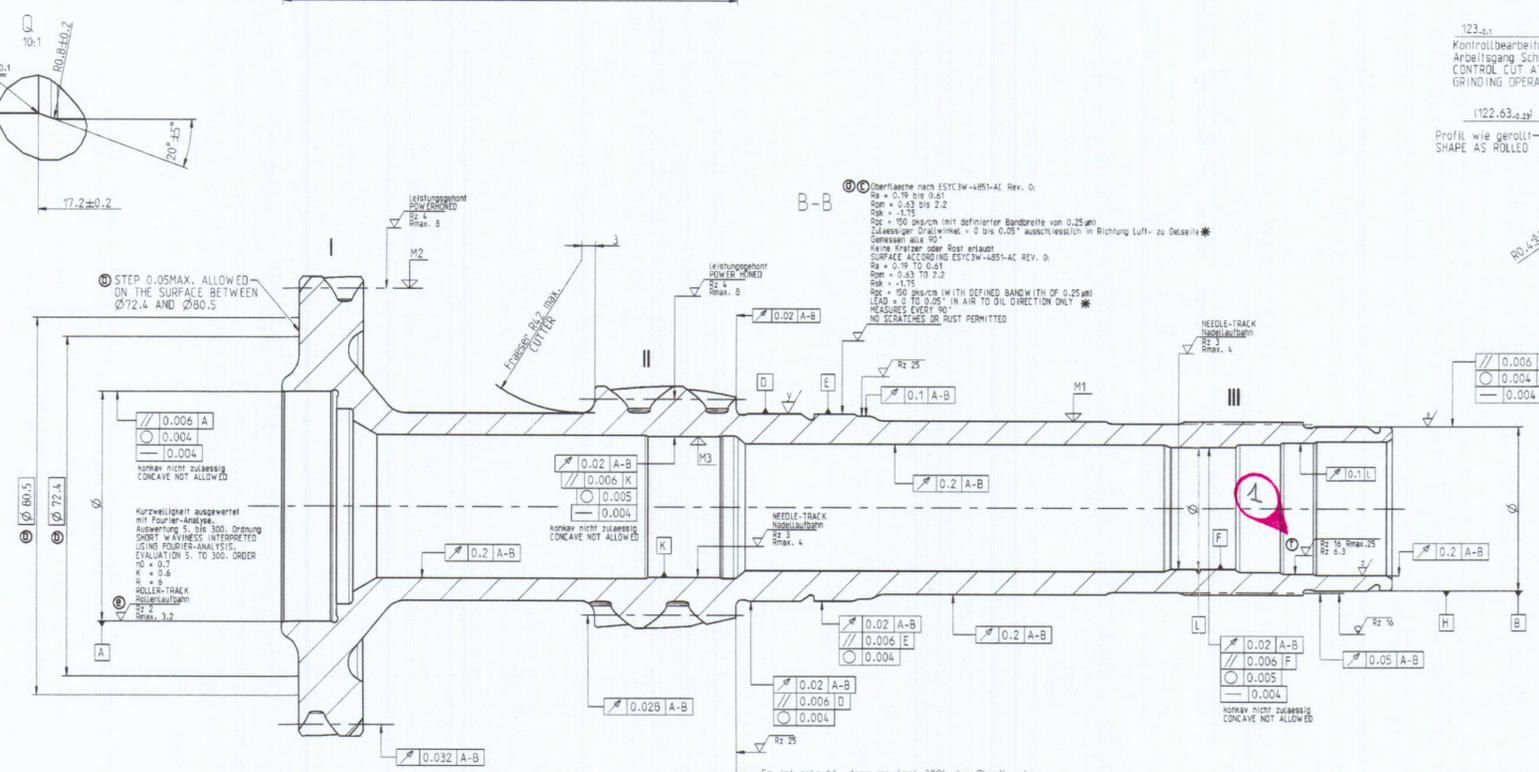
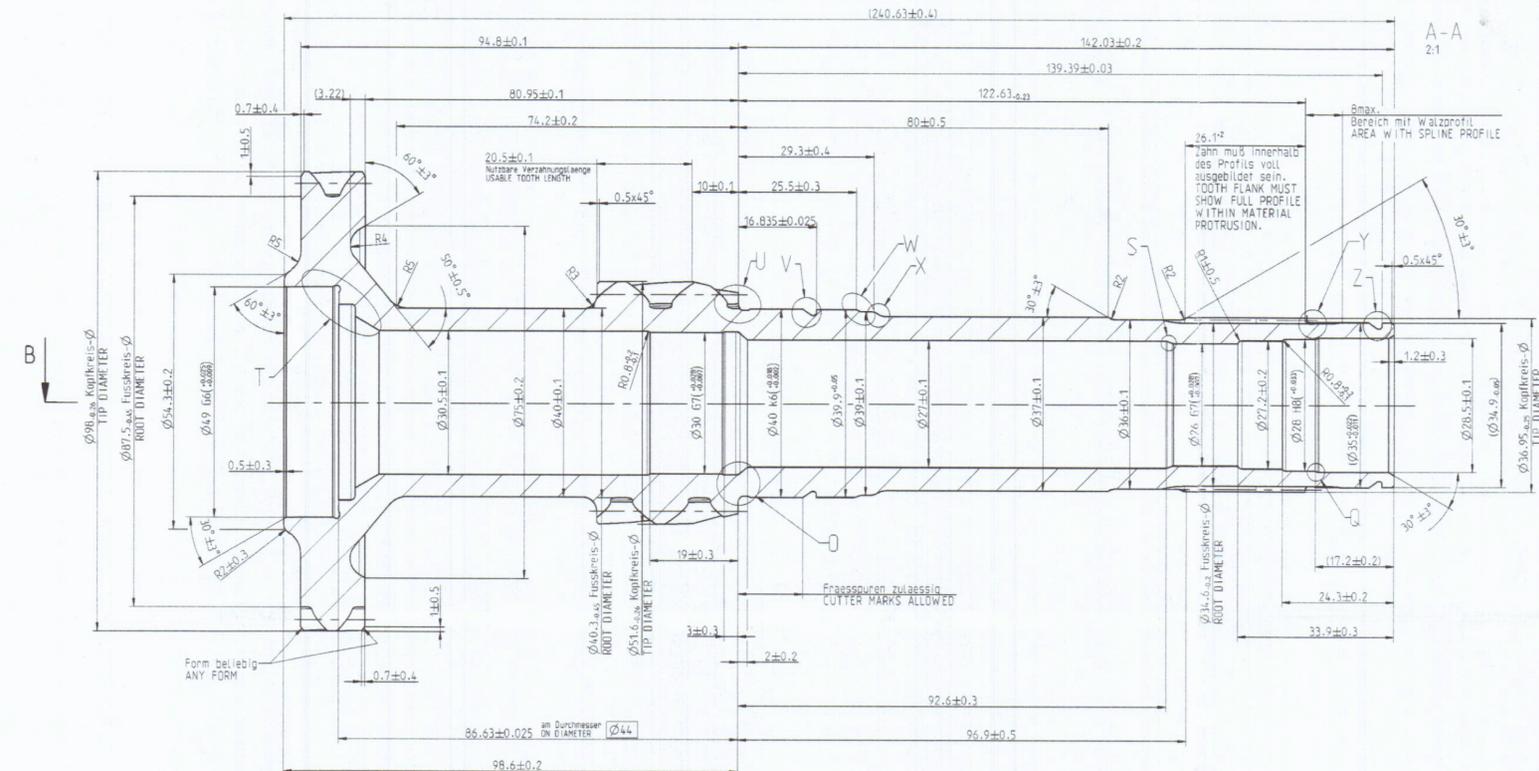
Kanten an Laufverzahnungen / Tooth chamfers
 unmassstäblich / not to scale



Kanten an Laufverzahnungen / Tooth chamfers
 unmassstäblich / not to scale



Aussenverzahnung / EXTERNAL GEAR			
Zahnwelle / SPLINE DATA EXTERNAL		SAE PIPS : 32164	
Bezugsdurchmesser / REFERENCE DIAMETER d_g			
Modul / MODUL m_g	1.750	2.000	0.793750
Zahnanzahl / NUMBER OF TEETH Z	47	21	46
Drückwinkel / NORMAL PRESSURE ANGLE α_n	17.5°	20.0°	30.0°
Schraubengewinde / HELIX ANGLE β	27.3°		0°
Richtung / HAND OF HELIX	RIGHT, rechts	RIGHT, rechts	STRAIGHT, gerade
Bezugsprofil / BASIC BACK			
Profilverzahnung/ADDENDUM MODIFICATION a_{am}	0.350	0.780	-0.166
Qualität / GEAR TOOTH QUALITY (DIN399)	B	B	
Toleranzklasse / TOLERANCE CLASS			5
Wirksamkeit / EFFECTIVE MAX.			1.056
Zahnstärke / TOOTH THICKNESS s_g	min. 2.970	3.709	1.073
Einbaumaß / ACTUAL	min. 2.940	3.679	0.978
Wälzmaß / BALL DIA d_w	min. 3.00	3.00	1.50
Wälzmaß / MEASUREMENT OVER BALLS d_w	min. 97.331	49.712	38.441
Einbaumaß / ACTUAL	min. 97.248	49.643	38.382



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 Einstiche und Freistriche maximale Kerben bis zu 0.025mm zulässig IN THE TOTAL AREA OF ALL CUT-IN AND UNDERCUT MAXIMUM GROOVES UP TO 0.025mm ALLOWED																																																																																
einsetztauglichkeit und angepasst M1 (Oberflächenhärte) : 80.5-2.5 HRA M2 (Zahnflanke) : CHD (Eh) = 0.7-0.5 M3 (Bohrung nach dem Schleifen) : CHD (Eh) = 0.2 min M4 (Kernhärte) : min 300 HV10																																																																																
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