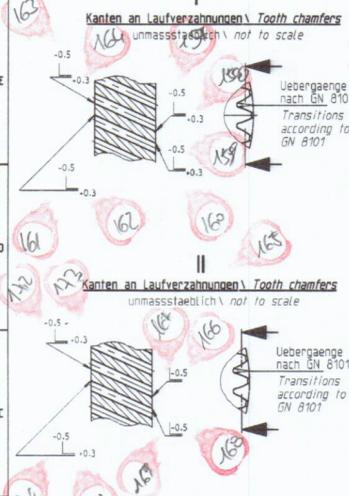
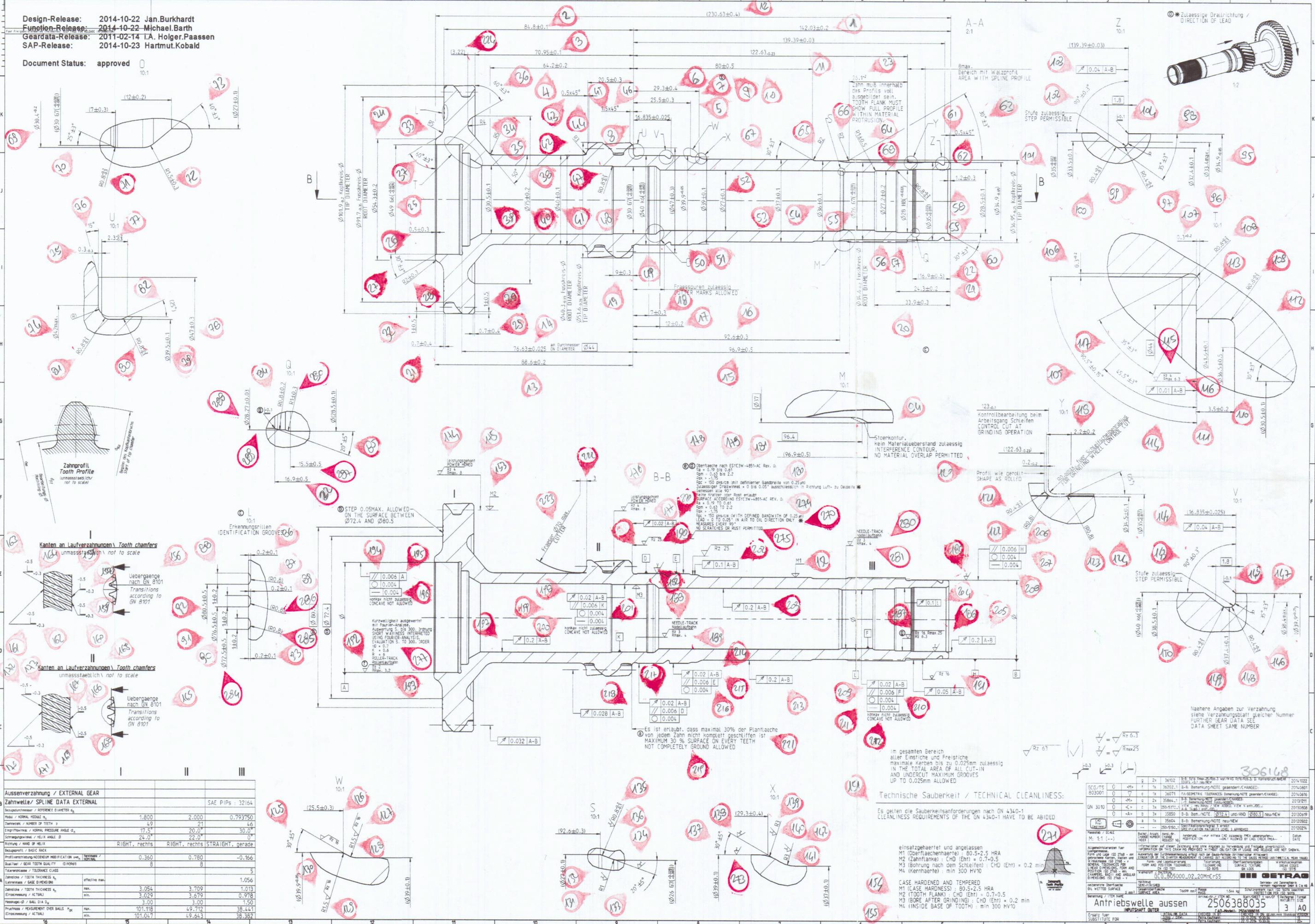
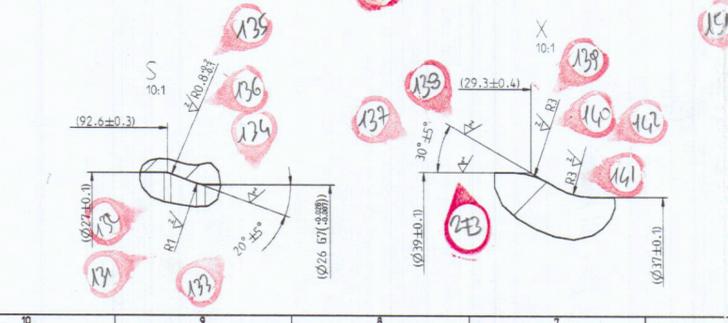
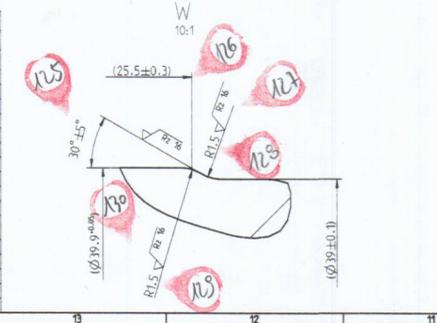


Design-Release: 2014-10-22 Jan.Burkhardt
 Function-Release: 2014-10-22 Michael.Barth
 Geardata-Release: 2011-02-14 T.A. Holger.Paassen
 SAP-Release: 2014-10-23 Hartmut.Kobald

Document Status: approved



| Aussenzahnung / EXTERNAL GEAR | | Zahnwelle / SPLINE DATA EXTERNAL | |
|--|------|----------------------------------|---------------|
| Bezugsdurchmesser / REFERENCE DIAMETER d_g | | 1.800 | 2.000 |
| Modul / NORMAL MODULE m_n | | 0.793750 | |
| Zahnanzahl / NUMBER OF TEETH z | | 49 | 21 |
| Zahnkreis / NORMAL PRESSURE ANGLE α_n | | 17.5° | 20.0° |
| Schraubengewinde / HELIX ANGLE β | | 24.0° | 22.0° |
| Bezugsprofil / BASIC RACK | | RIGHT, rechts | RIGHT, rechts |
| Profilverschiebung / ADDENDUM MODIFICATION x_{add} | | 0.360 | 0.780 |
| Qualität / GEAR TOOTH QUALITY (DIN 3676) | | 8 | 8 |
| Toleranzklasse / TOLERANCE CLASS | | | 5 |
| Zahnstärke / TOOTH THICKNESS s_a | | | 1.056 |
| Leertiefe / GAGE DIMENSION | | | |
| Zahnstärke / TOOTH THICKNESS s_a | max. | 3.054 | 3.709 |
| Leertiefe / GAGE DIMENSION | min. | 3.029 | 3.679 |
| Profilmaß / MEASUREMENT OVER BALLS r_{pk} | max. | 3.000 | 3.978 |
| Profilmaß / MEASUREMENT OVER BALLS r_{pk} | min. | 101.118 | 49.712 |
| Profilmaß / MEASUREMENT OVER BALLS r_{pk} | min. | 101.047 | 49.643 |



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

einzelgehärtet und angelassen
 M1 (Oberflächenhärtung): 80.5-2.5 HRA
 M2 (Zahnflanke): CHD (Ent) = 0.7-0.5
 M3 (Bohrung nach dem Schleifen): CHD (Ent) = 0.7-0.5
 M4 (Kerndicke): min 300 HV10

| EGG/TS | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |
|--------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EGG/TS | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |