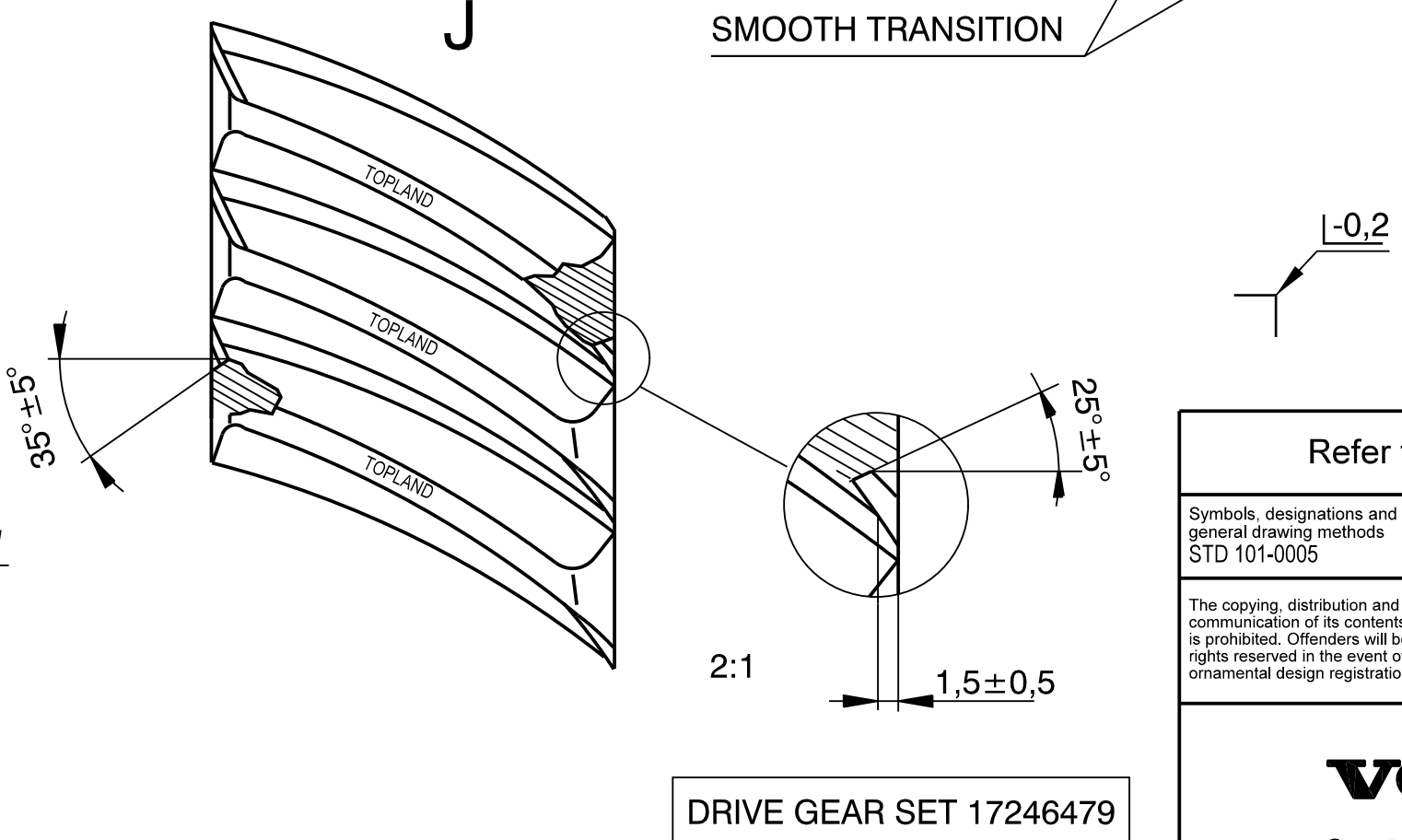
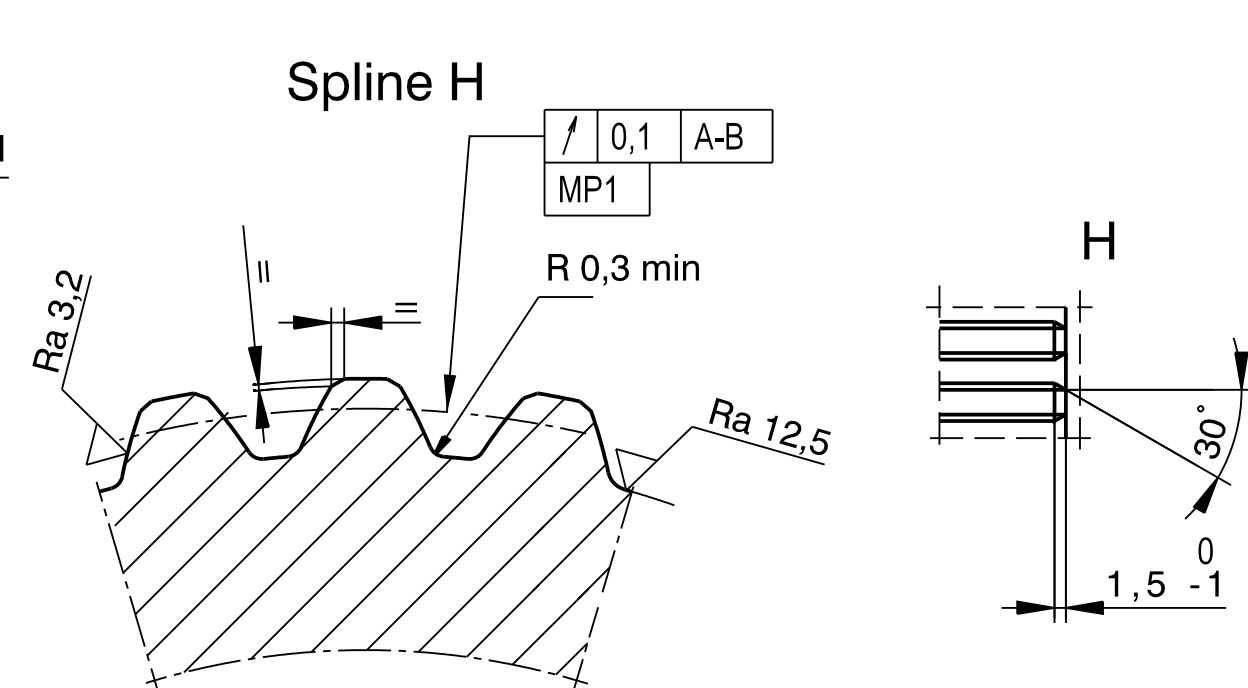
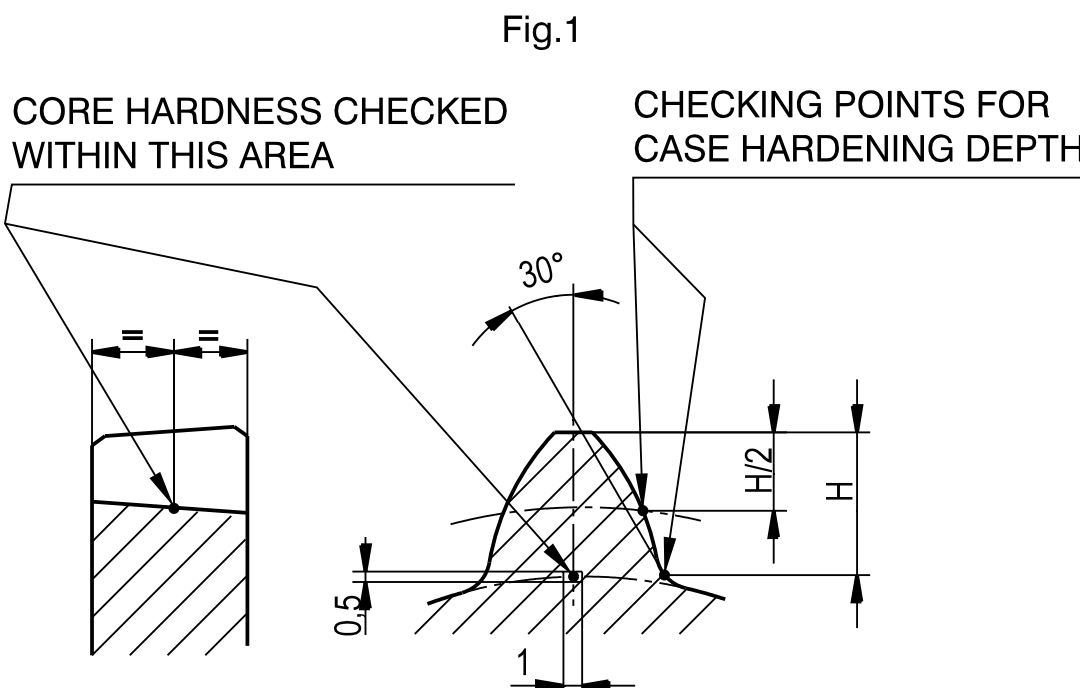
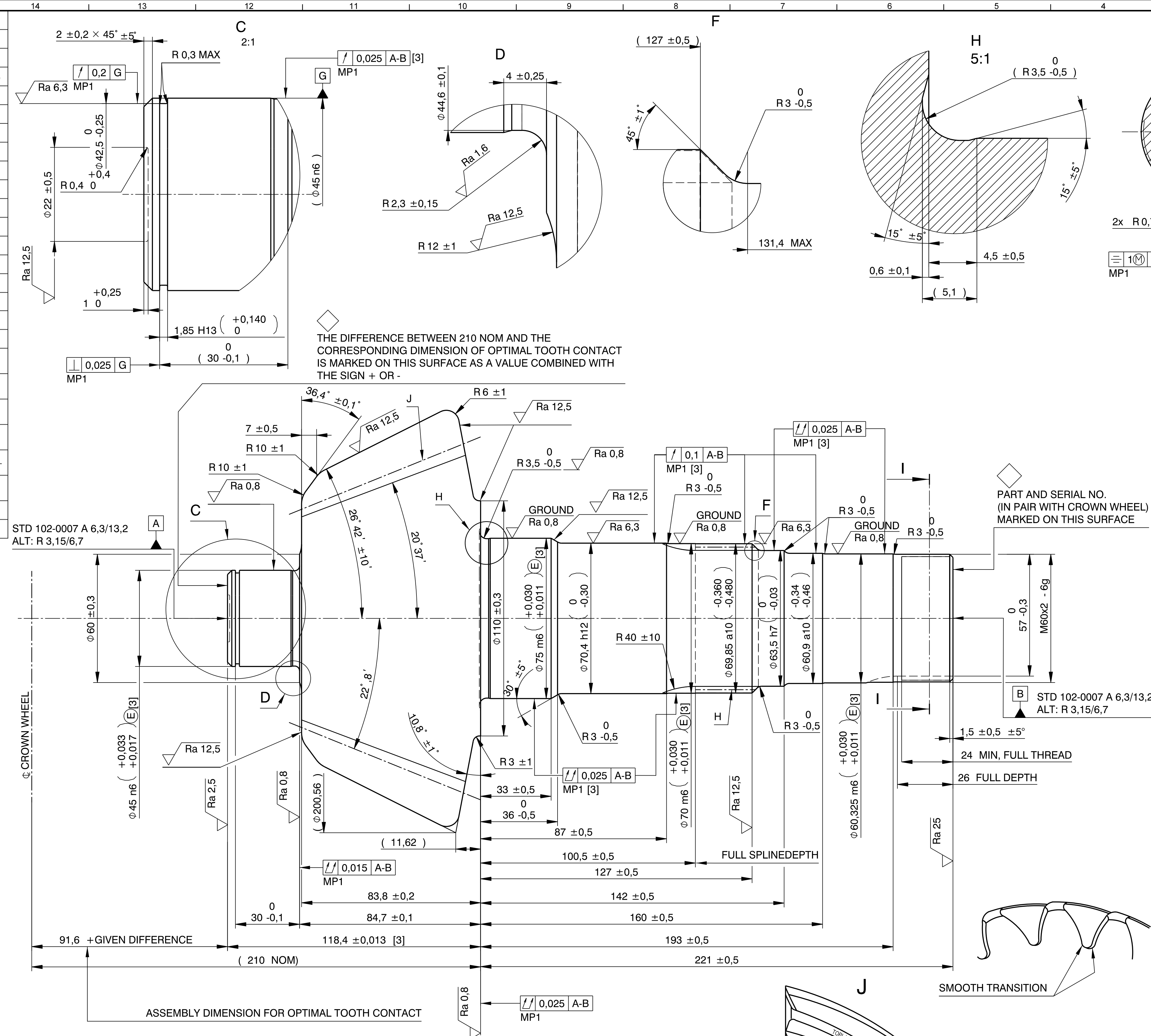


| | | |
|--------------------------------------|---------------|--|
| Set of teeth | | H |
| Standard or Basic rack tooth profile | | STD 5083,01 |
| Number of teeth | z | 21 |
| Normal module | m_n | 3,175 / 1,5875 |
| Normal diametral pitch | P_n | (8 / 16) |
| Nominal pressure angle | α_{0n} | 30 ° |
| Helix angle | β | 0° |
| Hand of helix | | - |
| Normal profile shift coefficient | x_n | (0) |
| Tool addendum / radius | h_{a0}/r_0 | - / - |
| Tip chamfer diameter | d_{aY} | 68,7±0,15 |
| Reference diameter | d | (66,6750) |
| Form diameter | D_F | 64,4 MAX |
| Root diameter | d_f | 63,65±0,15 |
| Base diameter | d_b | (57,7422) |
| Base helix angle | β_b | 0° |
| Controlled profile (roll distance) | SCP - ECP | - |
| Tolerance class / type of fit | | SP / Side fit |
| Cirkular space width actual | E | - |
| Cirkular space width effective | E_v | - |
| Circular tooth thickness effective | S_v | 4,987 ^{+0,048[3]} (+0,012) |
| Circular tooth thickness actual | S | 4,987 ^(0) -0,036[3] |
| Span measurement w over k teeth | W / k | - |
| Measurement over balls | M | (75,902) 75,847[3] |
| Ball diameter | d_M | 6.096 ±0,001 |
| Mating part no | | 17239556 |

| | | |
|---|-----------------|-------------------|
| Gear data | GLEASON HYPOID | J |
| Summary no. | | 17266209 |
| Shaft angle | | 90° |
| No. of teeth | | 13 |
| Module | | 11,081 |
| Pinion offset | | 38,1 |
| Pressure angle concave/convex | | 21° 44' / 23° 16' |
| Mean spiral angle/direction | | 43°13'/RH |
| Pitch diameter | | - |
| Normal chordal thickness | | - |
| Working depth | | 20,19 |
| Addendum | | 15,83 |
| Dedendum | | 6,79 |
| Chordal addendum | | - |
| Tooth tolerances [μ m] | | |
| Datum | | A - B |
| Transverse pitch deviation | f_{pt} | 45 [3] |
| Transverse tooth-to-tooth pitch deviation | Δf_{pt} | 50 [3] |
| Total cumulative pitch deviation | F_p | 110 [3] |
| Radial run-out | F_r | 80 [3] |
| Circumferential backlash | | 0,30 - 0,46 |
| Mating part no./No. of teeth | | 17240330 / 37 |

| | | | | |
|-------------------------------------|---------|---------------|--------------|---------------|
| Cleanliness requirment STD 107-0002 | | | | |
| Max number of particles/cm2 | | 1500 | 192 | 12 |
| Particle size ranges | μ m | 5 ≤ x < 15 | 15 ≤ x < 100 | 100 ≤ x < 200 |
| Max number of particles/cm2 | | 1 | 0,01 1) | |
| Particle size ranges | μ m | 200 ≤ x < 500 | 500 ≤ x | |
| Wetted surface | cm² | 1332 | | Ac |

1) Non metallic particles allowed [3]



| | | | |
|--|---|--|--|
| 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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