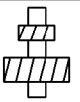
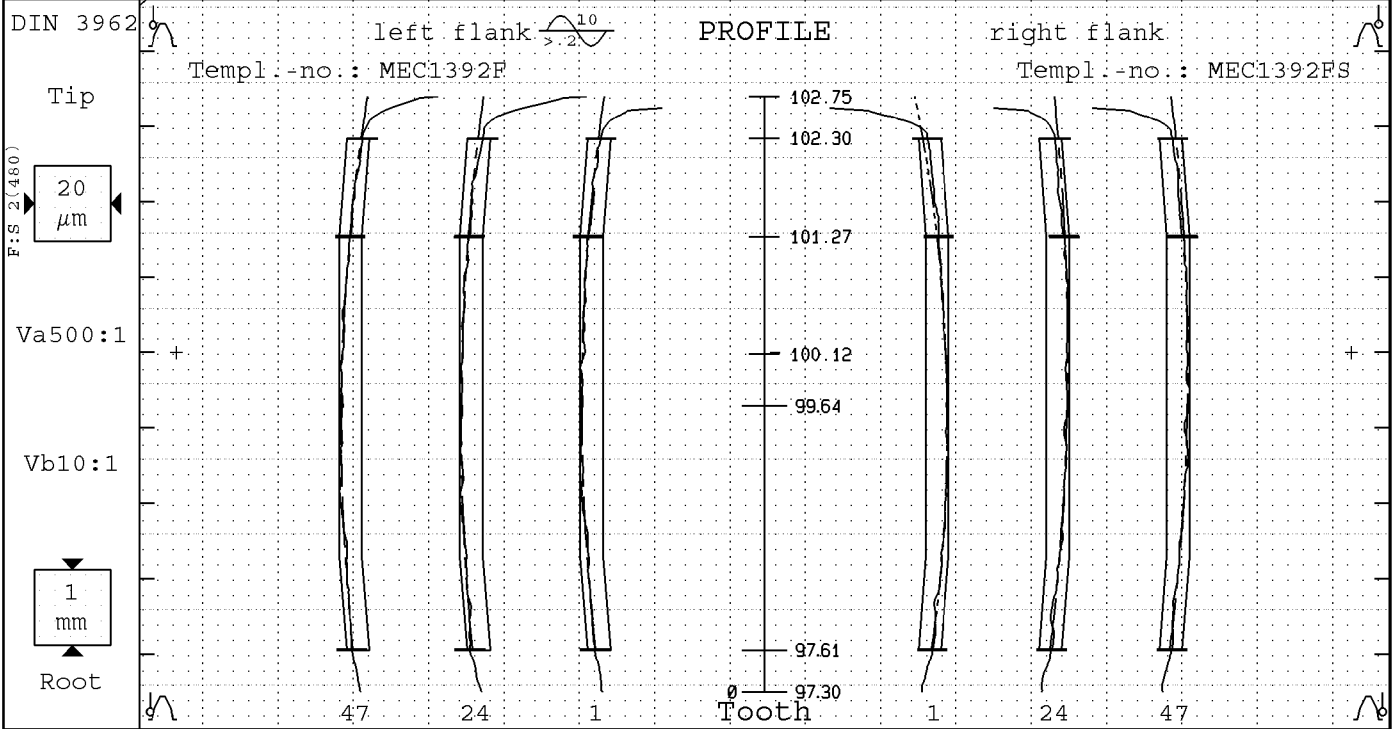


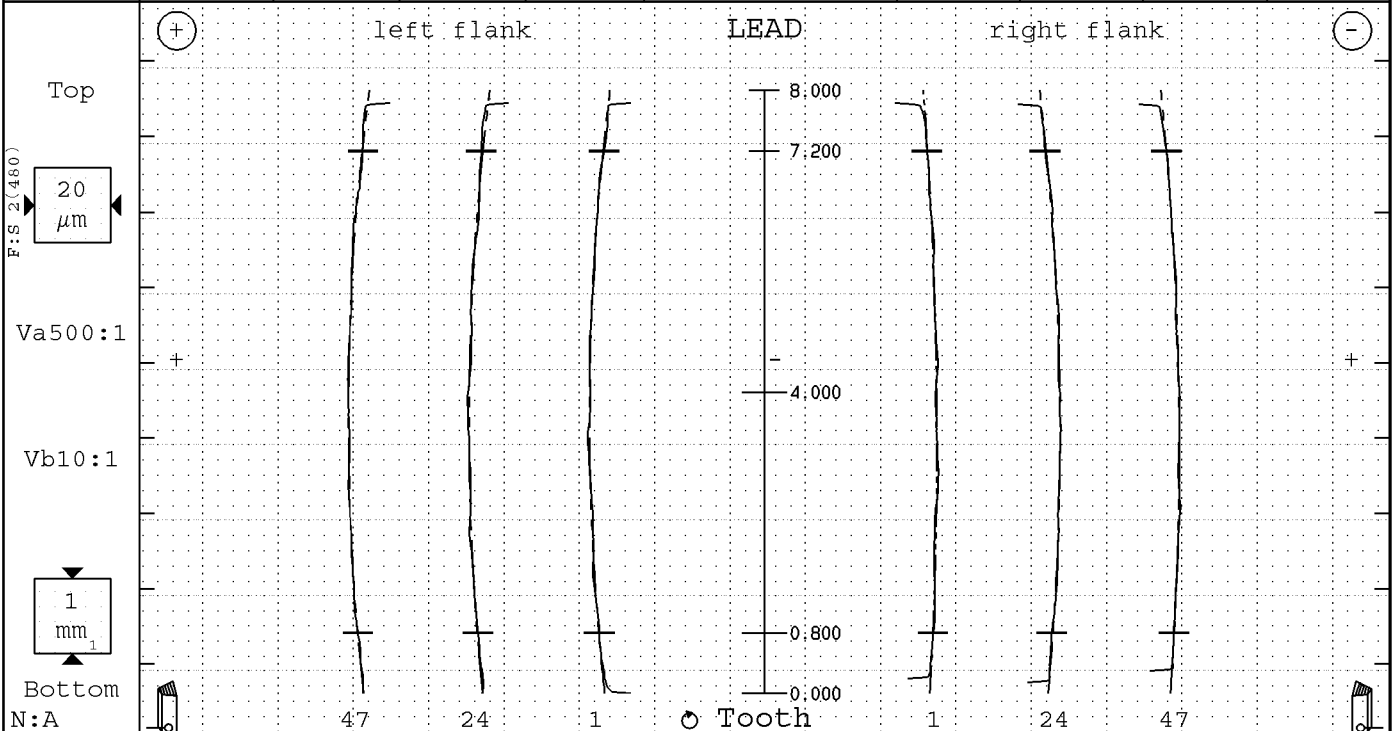
Gear Profile/Lead



| | | | | | |
|-----------------------------------------|--|---------------------------|--|--------------------------|--|
| Prog.No.: GST0417_16 4.1.0 0 P40 602050 | | Operator: | | Date: 11.12.2021 08:57 | |
| Type: OIL DISTRIBUTOR | | No. of teeth: 69 | | Face Width: 8mm | |
| Drawing No.: MEC1392F z69 GRINDED | | Module m: 1.25mm | | Length Ev. La: 5.49mm | |
| Order No.: | | Pressure angle: 17.5° | | Length Ev. Lß: 6.4mm | |
| Cust./Mach. No.: | | Helix angle: 30° | | Appr. Length M1: 13.87mm | |
| Loc. of check: KLINGELNBERG | | Base Cir.-Ø db: 93.5836mm | | Stylus-Ø (#1) 1mm | |
| Condition: GRINDED | | Base Helix angle: 28.48° | | Add.Mod.Coeff x: .019 | |



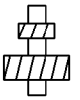
| | Act.value[μ m] | | | Quality | Lim.value | | | Qual | Act.value[μ m] | | | Quality |
|---------------|---------------------|------|------|---------|-----------|--|--|------|---------------------|------|------|---------|
| fH α m | | | | | | | | | | | | |
| C α | | 2.8 | 2.4 | 2.6 | | | | | 3.5 | 2.2 | 2.5 | |
| fK α | | -3.6 | -3.6 | -3.4 | | | | | -2.8 | -3.6 | -3.6 | |



| | | | | | | | | | | | | |
|--------------|------|-------|-----|------|-----------|---|-----------|-----|-------|-----|-----|-----|
| fH β m | -1.3 | V 0.4 | | | | | | 1.7 | V 0.6 | | | |
| fH β | -1.3 | -1.5 | 1 | -1.1 | ± 6 | 5 | ± 6 | 5 | 1.4 | 1.8 | 2.0 | 1 |
| F β | 2.3 | 2.1 | 2.5 | 1 | 7 | 5 | 7 | 5 | 1.9 | 2.4 | 1 | 2.3 |
| ff β | 0.8 | 1.0 | 1 | 0.9 | 4.5 | 5 | 4.5 | 5 | 0.8 | 1 | 0.7 | 0.8 |
| C β | 3.2 | 2.9 | 3.0 | | 2 \pm 2 | | 2 \pm 2 | | 1.7 | 2.7 | | 2.3 |



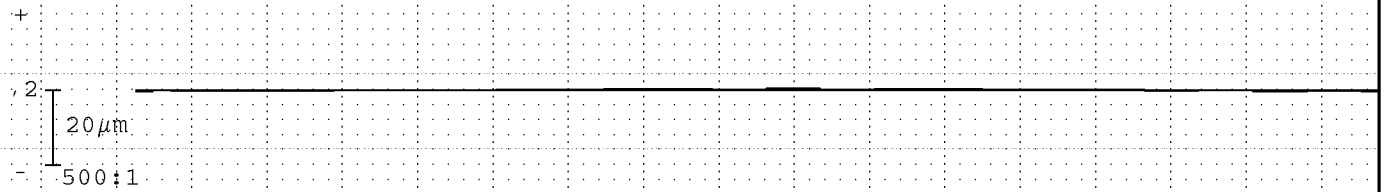
Gear Spacing



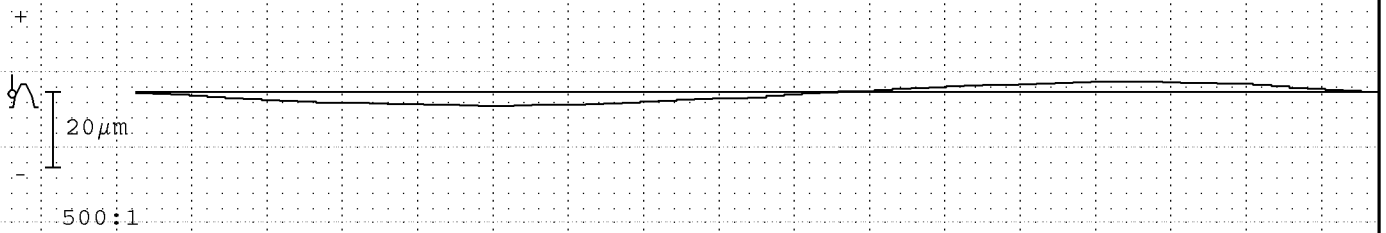
| | | |
|-----------------------------------------|-----------------------------|------------------------|
| Prog.No.: GST0417 16 4.1.0 0 P40 602050 | Operator: | Date: 11.12.2021 08:57 |
| Type: OIL DISTRIBUTOR | No. of teeth: 69 | Pressure angle: 17.5° |
| Drawing No.: MEC1392F z69 GRINDED | Module m: 1.25mm | Helix angle: 30° |
| Order No.: | Loc. of check: KLINGELNBERG | |
| Cust./Mach. No.: | Condition: GRINDED | |

DIN 3962

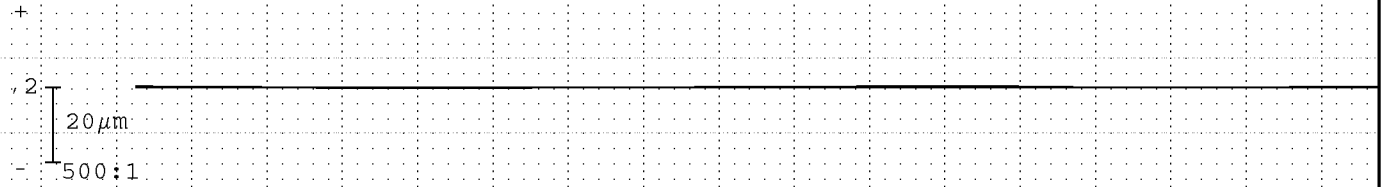
Tooth to tooth spacing fp left flank



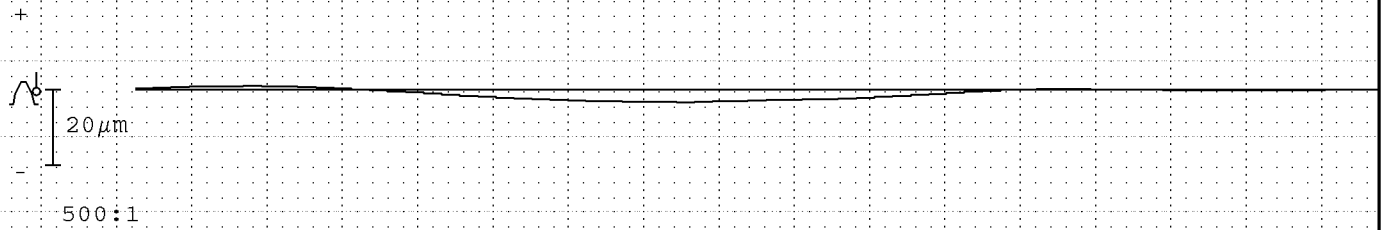
Index Fp left flank



Tooth to tooth spacing fp right flank



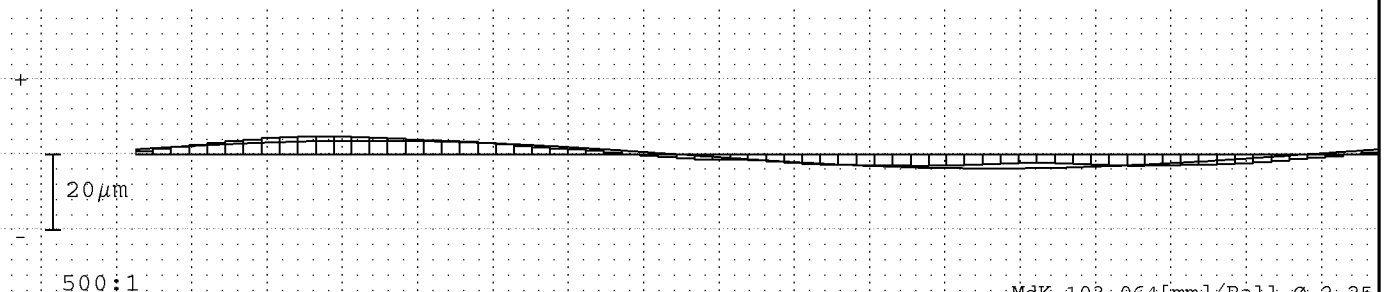
Index Fp right flank



| | | left flank | | | | right flank | | | |
|-------------------------------|---------|------------|-------|-----------|-------|-------------|-------|-----------|-------|
| | | Act.value | Qual. | Lim.value | Qual. | Act.value | Qual. | Lim.value | Qual. |
| Worst pitch variation | fp Smax | 0.4 | 1 | 5.0 | 5 | 0.3 | 1 | 5.0 | 5 |
| Worst spacing variation | fu Smax | 0.3 | 1 | 6.0 | 5 | 0.3 | 1 | 6.0 | 5 |
| Range of Pitch Error | RpS | 0.8 | | | | 0.6 | | | |
| Total index variation | FpS | 6.5 | 3 | 18.0 | 5 | 4.3 | 1 | 18.0 | 5 |
| Total index var.within sector | Fpz/8S | 2.6 | 1 | 11.0 | 5 | 2.4 | 1 | 11.0 | 5 |

Runout Fr (Ball-Ø =2.25mm)

⊙ : 7.3µm / 24.6°



MdK 103.064[mm]/Ball-Ø 2.25

| | | | | | | |
|------------------------------|----|-----|------|-----------|---------|-----------------|
| Pitch Line Runout | Fr | 7.9 | 25.0 | Lim.value | 103.151 | 103.064 |
| Variation of tooth thickness | Rs | | | Act. | 103.071 | 103.073 103.069 |

