



GEAR® PRO bevel

Workpiece No.
bevel_example
Part No.

No. of Teeth
16
Measured Teeth
1, 6, 12
Summary No.

Mounting Distance
113.000
Meas. Point Pitch
Radius = 44.681
Height = 25.368

Md.-Diff.
Comment
Meas. Direction
Counter-clockwise

Deviation Pitch
Normal

Pinion



λ_C : --- mm

λ : 2.00 mm

v: 8.0 mm/s

Toe

-0.6

10 μ m

Tooth thickness

Root angle

-1

-0 | 30

-0

Toe

Heel

1

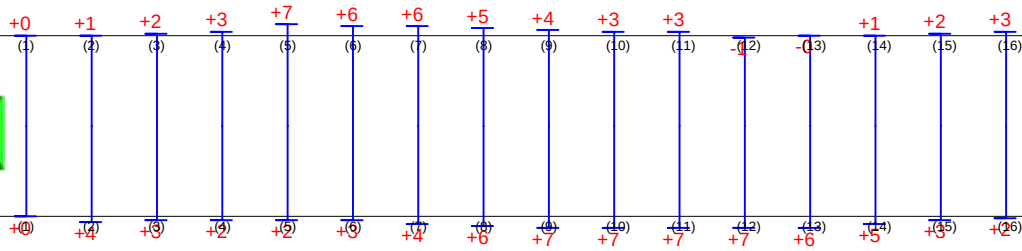
Tooth thickness angle -11.2997 °

Pitch flank 1
konkav

40 μ m

Pitch flank 2
konvex

λ : 2.00 mm



Warp factor
-0.15' | 3.00'

fb = 0.03' | 1.00' 2(max)
3(diff)
-1(min)

Flank 1
konkav

fa = -0.67' | 1.00' FI 1 0.00000008
Sum of Errors Squared 0.00000014
FI 2 0.00000005

Flank 2
konvex

fb = 0.01' | 1.00' -2(min)
3(diff)
2(max)

Warp factor
0.21' | 3.00'

DIN 3965:1986-08

Fp = 7.7 (2 | 6)

+ fp = 3.9 (3 | 6)

fu = 4.3 (3 | 6)

- Frsn = 5.4 (1 | 6)

Fr = 10.9 (3 | 6)

- Fp = 7.4 (1 | 6)

+ fp = 4.0 (3 | 6)

fu = 6.0 (4 | 6)

- Frsn = 5.4 (1 | 6)

Data Path

bevel_example

C:\TFS\30_Qualitätssicherung\80_Test_examples\20_Printout_examples

CMM



Date

08.12.2018

Time

11:25:53

Operator

Omar Koryakin

Order number

Sign

Quality acceptance





GEAR® PRO bevel

Workpiece No.
bevel_example

No. of Teeth
16

Mounting Distance Md.-Diff. Comment
113.000

Part No.

Summary No.

Meas. Point Pitch

Radius = 44.681 Height = 25.368

Meas. Direction

Counter-clockwise

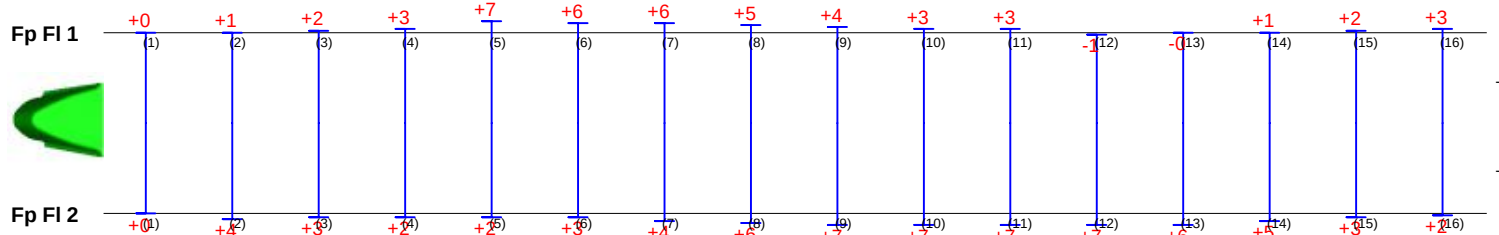
Deviations

Normal

Pinion



40 µm

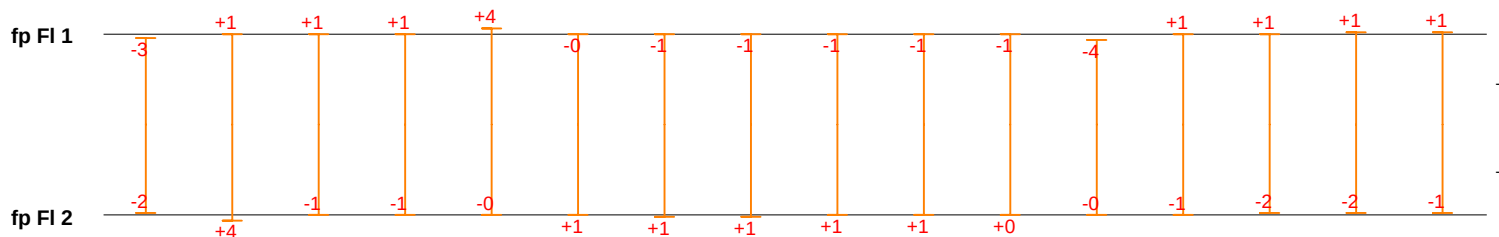


DIN 3965:1986-08

Flank 1

konkav

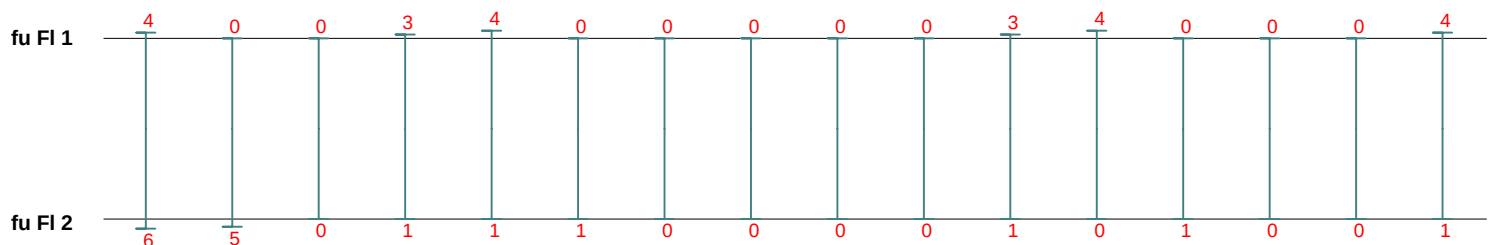
Fp = 7.7 (2 | 6)
fp = 3.9 (3 | 6)
fu = 4.3 (3 | 6)
FrSn = 5.4 (1 | 6)



Flank 2

konvex

Fp = 7.4 (1 | 6)
fp = 4.0 (3 | 6)
fu = 6.0 (4 | 6)
FrSn = 5.4 (1 | 6)
Fr = 10.9 (3 | 6)



2.00 mm

Data Path

bevel_example

C:\TFS\30_Qualitätssicherung\80_Test_examples\20_Printout_examples

CMM



Date

08.12.2018

Time

11:25:53

Operator

Omar Koryakin

Order number

Sign