ZEISS

GEAR® PRO involute

3032 — Not OK

Operator	[redacted]			Customer	
Workpiece number	[redacted]			Drawing number	
z	20	α_n	14.50000°		
P	20.00000 "	β	26.91650° R		
b	0.43800 "	x	-0.04402	d_f/d_a	0.99050/ 1.22000 "
External/Tooth		d_b	1.07711 "	b_u/b_o	-0.39420/ -0.06570 "

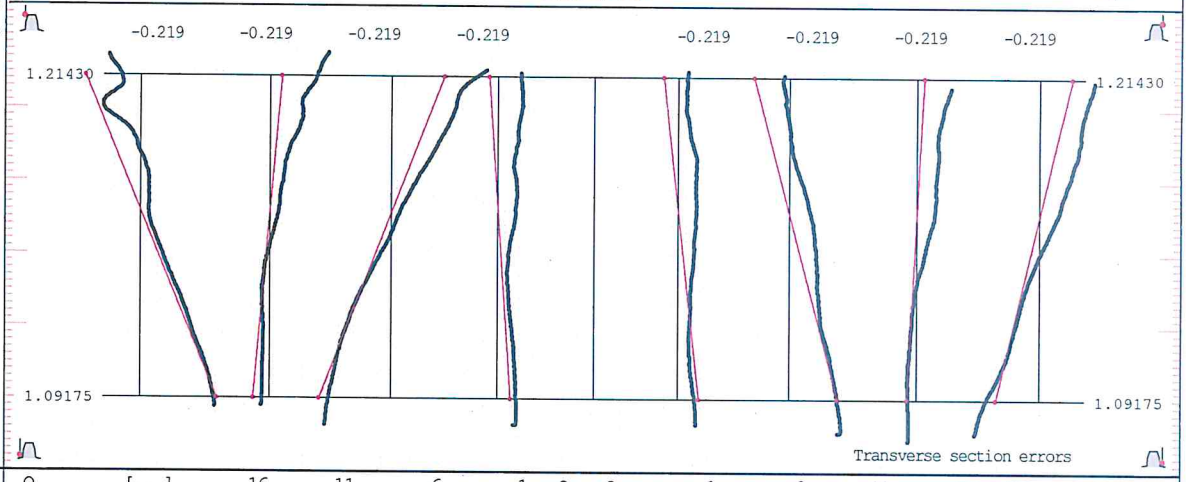
Profile

λ_α (G50%): 0.01 / 0.03 v:0.039"/s

User-defined 0.04 " scaling: Roll distance

1.6 x.001 250:1

+ Left − — − Right +



	Q_n	[...]	16	11	6	1	Q_a	Q_a	1	6	11	16	Q_n	[...]
F_α	x.001	0.800	2.891	0.650	2.629	0.602			0.834	1.785	0.367	1.650		0.800
Ø		F_α 1.693	$f_{H\alpha}$ 0.001		$f_{f\alpha}$ 0.327				F_α 1.159	$f_{H\alpha}$ -0.146		$f_{f\alpha}$ 0.293		

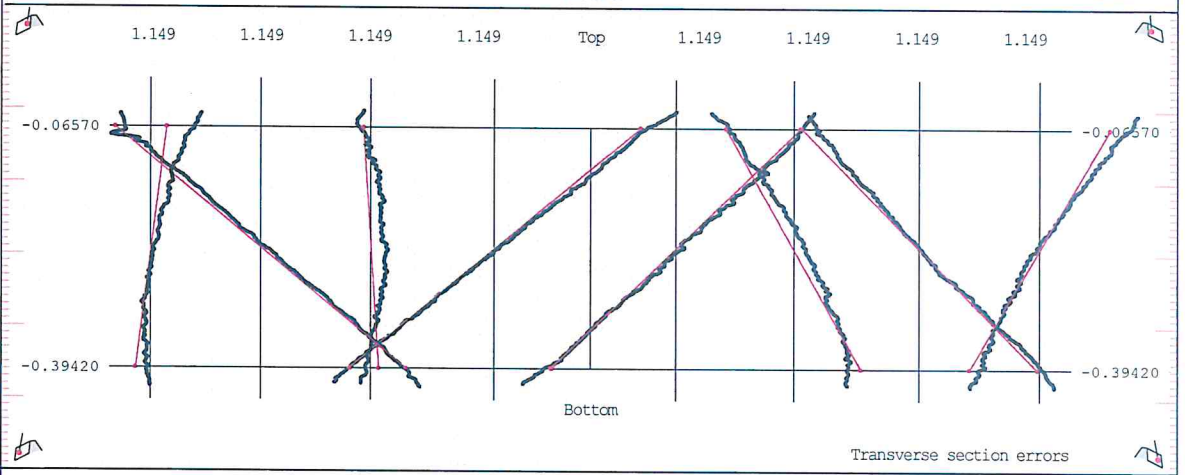
Lead

λ_β (G50%): 0.01 / 0.03 v:0.236"/s

User-defined 0.10 "

1.6 x.001 250:1

+ Left − — − Right +



	Q_n	[...]	16	11	6	1	Q_a	Q_a	1	6	11	16	Q_n	[...]
F_β	x.001	0.600	0.915	6.502	0.773	6.287			5.378	2.893	5.051	3.051		0.600
Ø		F_β 3.619	$f_{H\beta}$ -0.085		$f_{f\beta}$ 0.428				F_β 4.093	$f_{H\beta}$ -0.101		$f_{f\beta}$ 0.415		

Date: 7/7/2020 12:25:43 PM

file: 1594142743

GEAR® PRO 2019 (6.2.0.0 From 26.07.2019)

letter_std2.frm

Normal module 6.2.0.1521

evaluation module 6.2.0.2117(involute)

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External/Tooth		d_b	1.07711 "	b_u/b_o	-0.39420/ -0.06570 "

0.03

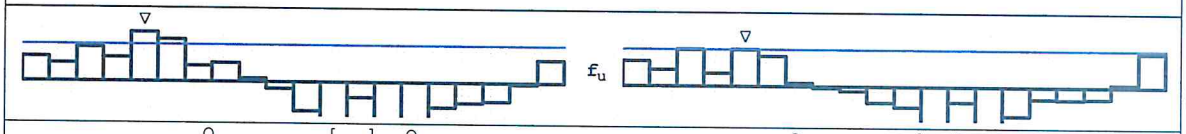
Pitch

Left — pos: 1.121 -0.219

Right — pos: 1.121 -0.219

User-defined

1.6
x.001
250:1

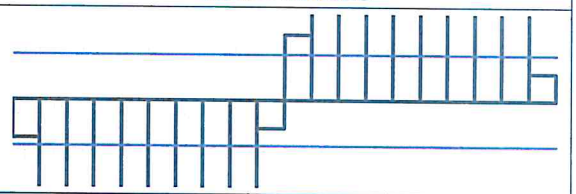


	Q_a	[...]	Q_n
f_u	1.270	0.800	

	Q_a	[...]	Q_n
f_u	0.907	0.800	

Axial runout

1.6
x.001
250:1



	Q_a	[...]	Q_n	Ø
F_r	11.824	2.000		0.08400

A_s [...]	$!AE_s$ [...]	M_{rK} Ø [...]
A_s	$!AE_s$	M_{rK}
Max.	Max.	Max.
Min.	Min.	Min.

S_s	E_s	M_{dK} Ø [...]
S_s	E_s	M_{dK}
Max.	Max.	Max.
Min.	Min.	Min.

W_k [...]	Diameter [...]	M_{dR} Ø 0.08400 [...]
w_k	$D_{a,max}$ 1.23293 1.22500	M_{dR} 1.23069 1.23000
Max.	$D_{a,min}$ 1.20834 1.21500	Max. 1.23129 1.23100
Min.	$D_{f,max}$ 1.00141 0.99300	Min. 1.23036 1.22800
R_w	$D_{f,min}$ 0.97641 0.98700	

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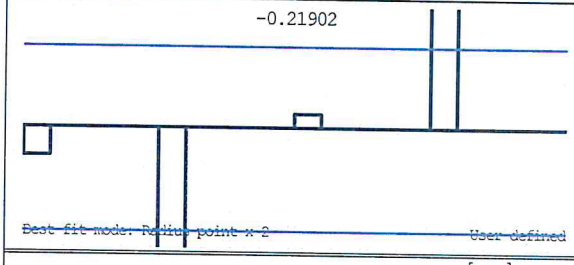
b	0.43800 "	x	-0.04402	d_f/d_a	0.99050/ 1.22000 "
External/Tooth		d_b	1.07711 "	b_u/b_o	-0.39420/ -0.06570 "

0.03

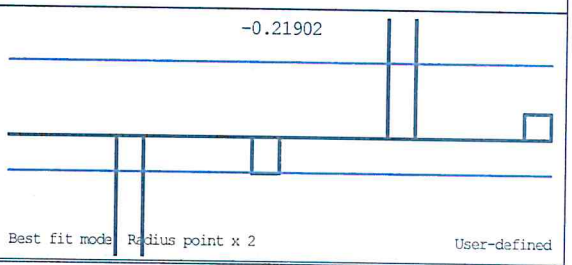
3.9
x.001
100:1

Diameter

Tip



Root



		[...]			[...]
$D_{a,max}$	1.23293	1.21500/1.22500	$D_{f,max}$	1.00141	0.98700/0.99300
$D_{a,min}$	1.20834	1.21500/1.22500	$D_{f,min}$	0.97641	0.98700/0.99300
$D_{a,mean}$	1.22044	1.21500/1.22500	$D_{f,mean}$	0.98877	0.98700/0.99300
R_{Da}	0.02459		R_{Df}	0.02500	