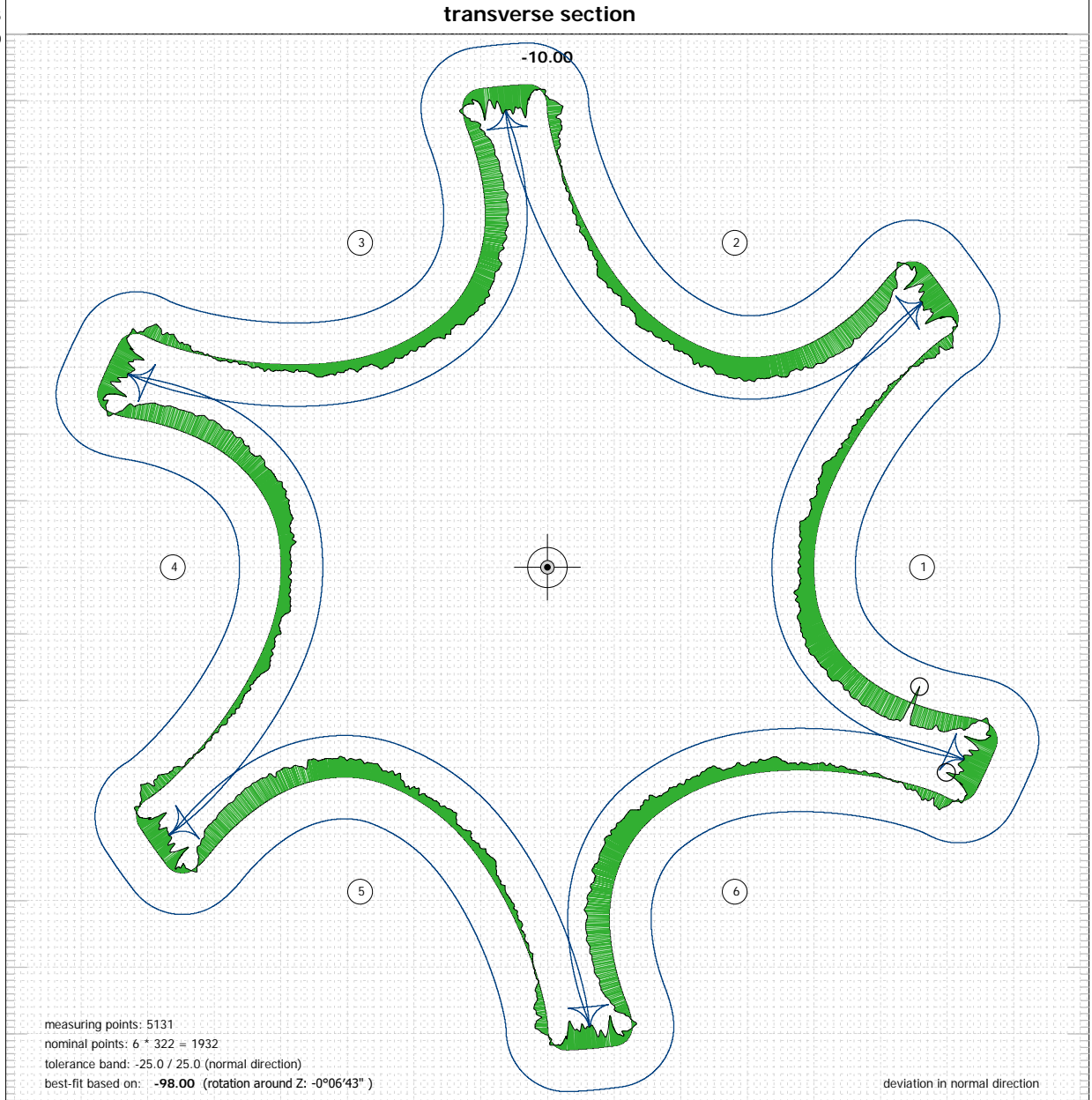


Workpiece number rotor_example		CMM		 GEAR® PRO rotor		
Drawing number		Operator				
Order number		Company				
Part number incr.		Department				
type of rotor	female	lead direction	right	d_f/d_a	72.660/131.800 mm	OK
number of threads	6	lead height	264.000 mm	b_u/b_o	-176.400/-19.600 mm	
face width	196.000 mm	wrap angle	267°16'21"	external/gap		

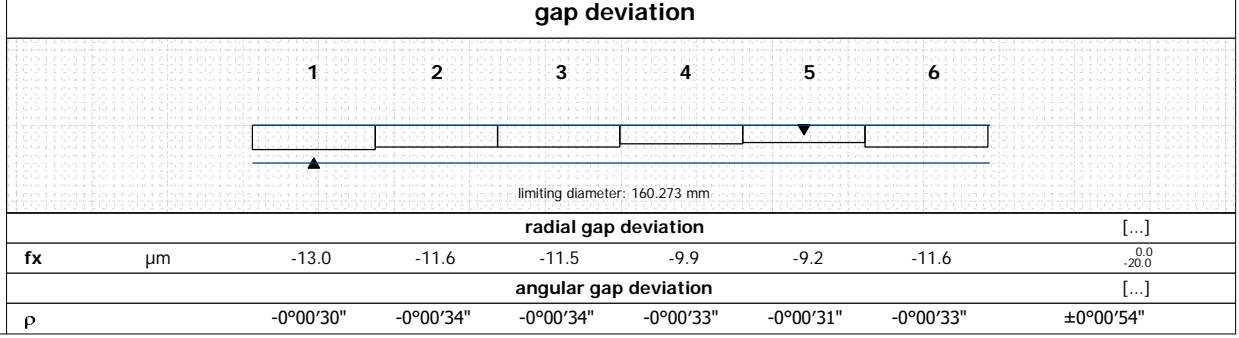
λ_c 0.75
 5.00
 v: 8.00 mm/s



\Downarrow 9.09 mm \Uparrow
1.1:1
 \Downarrow 40.0 \Uparrow
 μm
250:1

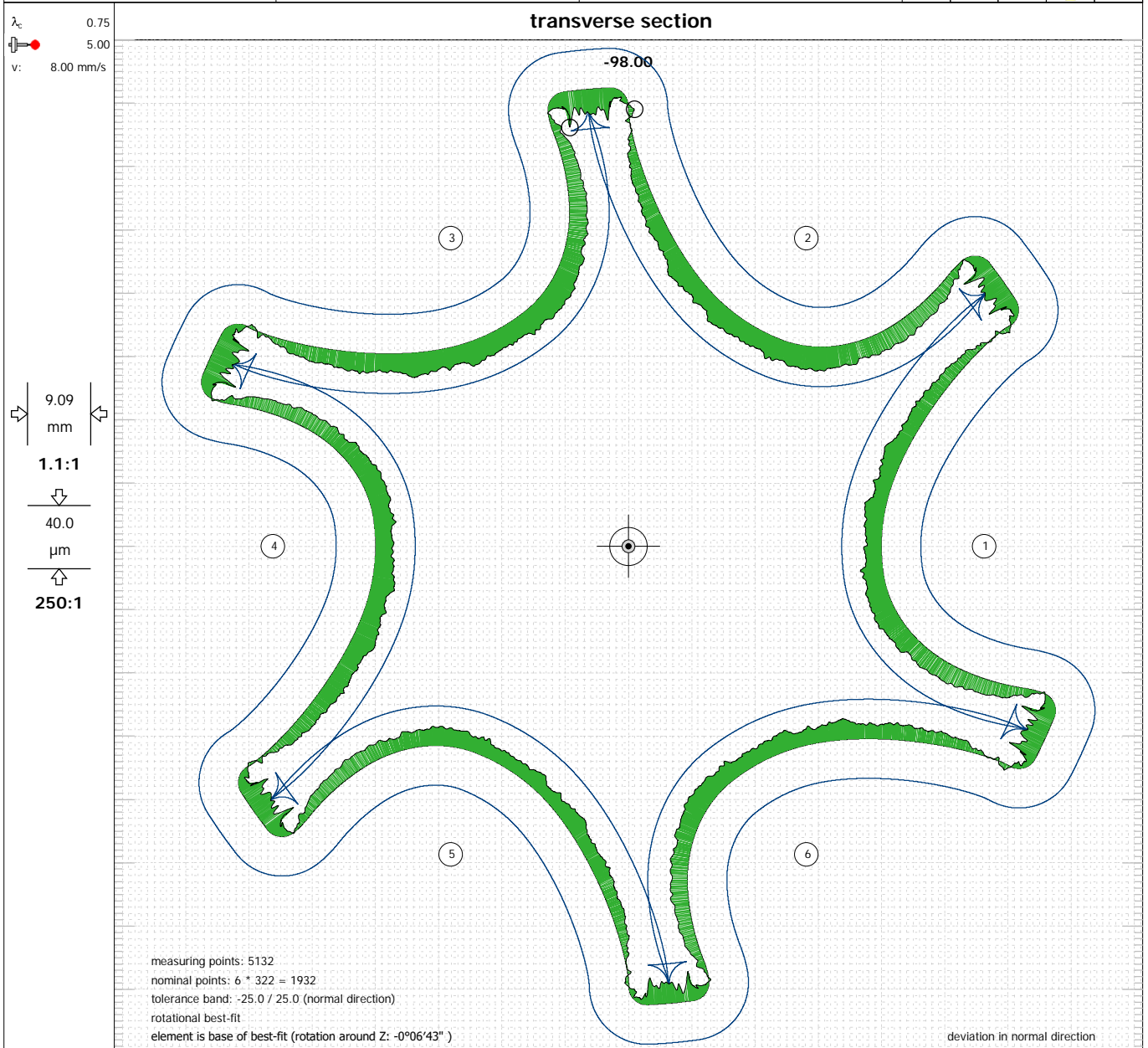


		[...]	
ff_{mean}	-6.9	±25.0	
ff_{max}	10.9	±25.0	
ff_{min}	-20.7	±25.0	
R_{ff}	31.6	$\frac{40.0}{0.0}$	
k			

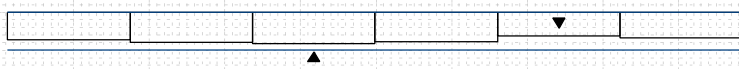
\Downarrow 40.0 \Uparrow
 μm
250:1





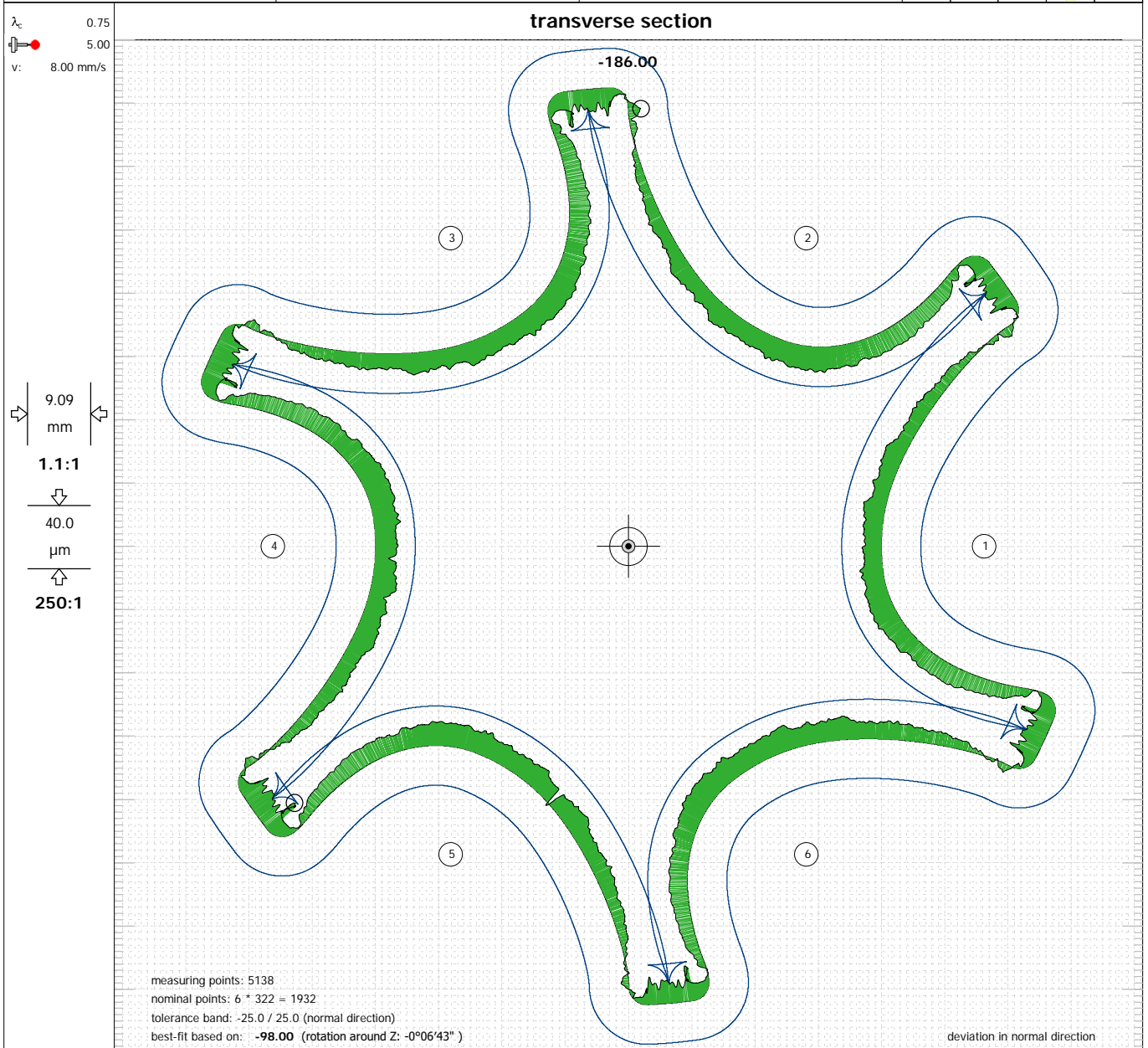
Workpiece number		rotor_example		CMM		 GEAR® PRO rotor	
Drawing number				Operator			
Order number				Company			
Part number incr.				Department			
type of rotor	female	lead direction	right	d_f/d_a	72.660/131.800	mm	OK 
number of threads	6	lead height	264.000	b_u/b_o	-176.400/-19.600	mm	
face width	196.000	wrap angle	267°16'21"	external/gap			



		[...]
ff_{mean}	-9.8	± 25.0
ff_{max}	4.0	± 25.0
ff_{min}	-22.7	± 25.0
R_{ff}	26.7	$\frac{40.0}{0.0}$
k		

gap deviation								
	1	2	3	4	5	6		
								
	limiting diameter: 160.273 mm							
radial gap deviation								
fx	μm	-14.7	-15.8	-16.7	-15.5	-12.5	-13.6	[...]
								$\frac{0.0}{-20.0}$
angular gap deviation								
p		-0°00'14"	-0°00'13"	-0°00'09"	-0°00'04"	-0°00'11"	-0°00'10"	$\pm 0°00'54"$


Workpiece number		rotor_example		CMM		 GEAR® PRO rotor	
Drawing number				Operator			
Order number				Company			
Part number incr.				Department			
type of rotor	female	lead direction	right	d_f/d_a	72.660/131.800 mm	OK	
number of threads	6	lead height	264.000 mm	b_u/b_o	-176.400/-19.600 mm		
face width	196.000 mm	wrap angle	267°16'21"	external/gap			









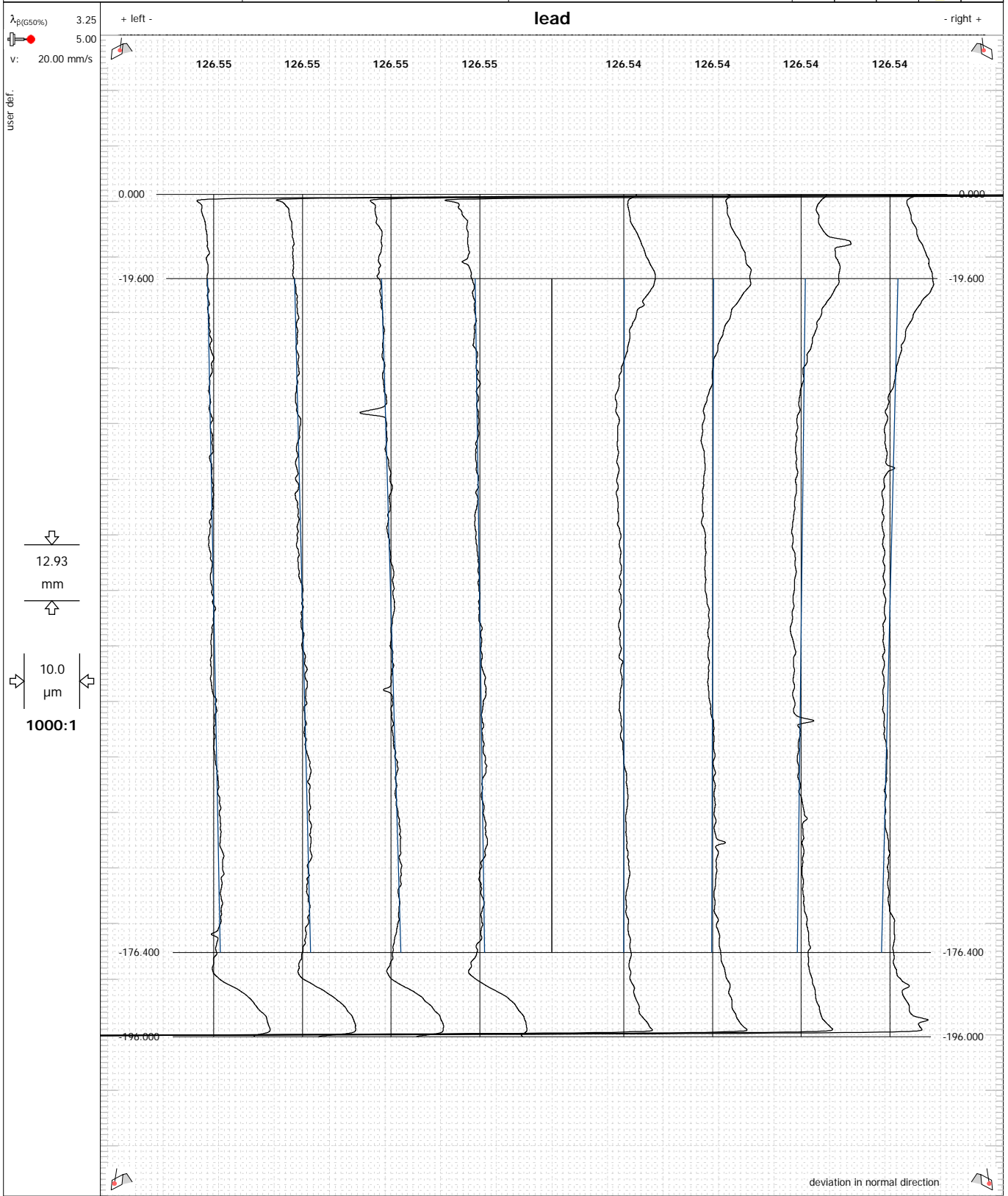
measuring points: 5138
 nominal points: 6 * 322 = 1932
 tolerance band: -25.0 / 25.0 (normal direction)
 best-fit based on: **-98.00** (rotation around Z: -0°06'43")

deviation in normal direction



	[...]	
ff_{mean}	-10.5	±25.0
ff_{max}	8.0	±25.0
ff_{min}	-24.1	±25.0
R_{ff}	32.1	$\frac{40.0}{0.0}$
k		

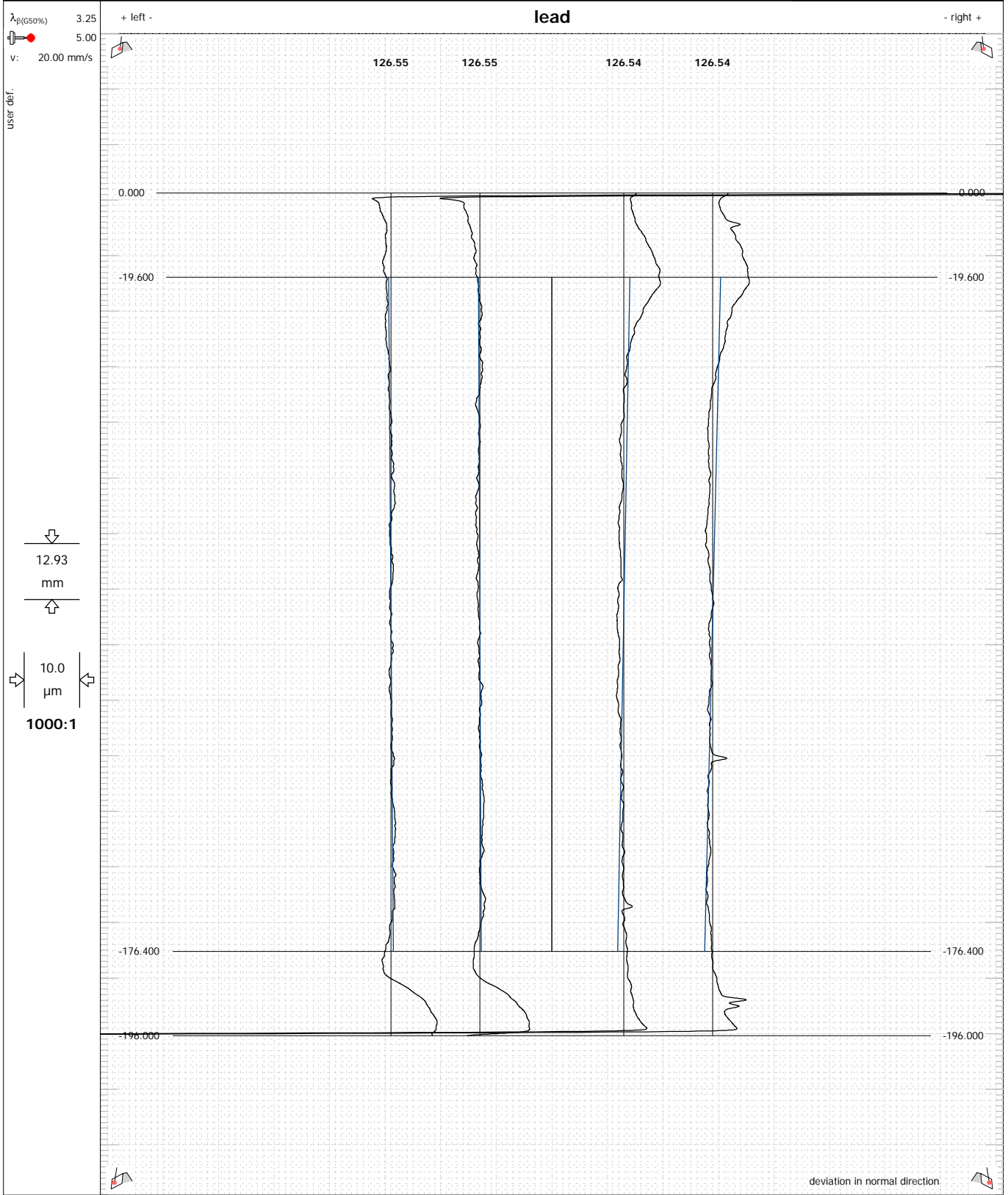
gap deviation								
	1	2	3	4	5	6		
								
	limiting diameter: 160.273 mm							
radial gap deviation								
	[...]							
fx	μm	-15.5	-15.8	-16.7	-17.7	-16.7	-17.1	
							$\frac{0.0}{-20.0}$	
angular gap deviation								
	[...]							
p		-0°00'23"	-0°00'28"	-0°00'23"	-0°00'21"	-0°00'20"	-0°00'15"	±0°00'54"

Workpiece number		rotor_example		CMM		 GEAR® PRO rotor	
Drawing number				Operator			
Order number				Company			
Part number incr.				Department			
type of rotor	female	lead direction	right	d_f/d_a	72.660/131.800 mm	OK	
number of threads	6	lead height	264.000 mm	b_u/b_o	-176.400/-19.600 mm	    	
face width	196.000 mm	wrap angle	267°16'21"	external/gap			





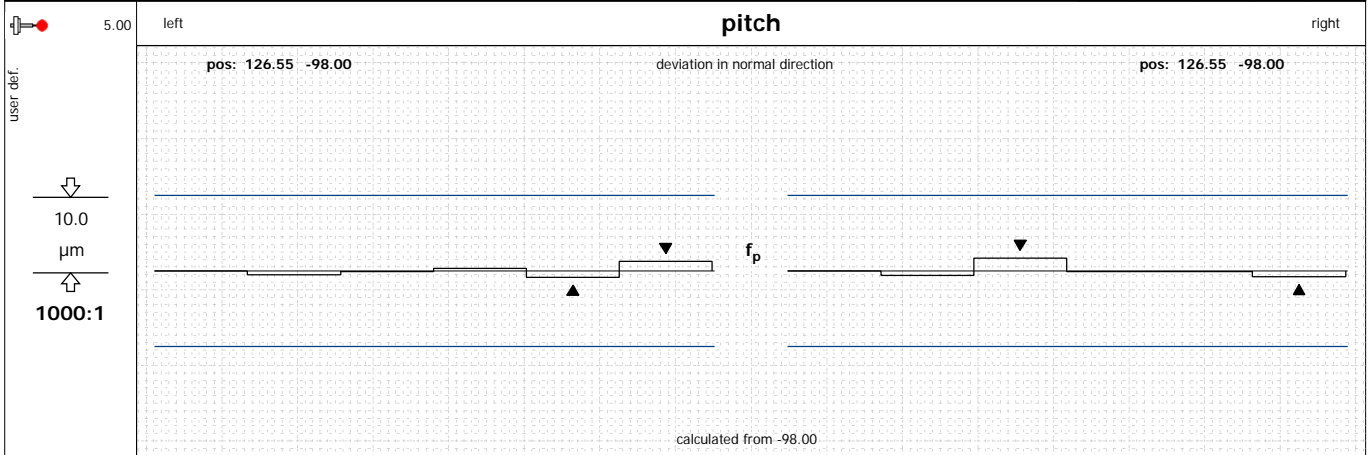
		[...]	Ø	4	3	2	1	1	2	3	4	Ø	[...]
F_β	μm	30.0	3.4	3.0	3.2	7.5	2.8	7.2	8.9	8.8	9.3	8.4	30.0
$f_{f\beta}$	μm	20.0	2.9	2.5	2.3	5.5	2.5	7.2	8.9	8.0	8.4	7.7	20.0
f_{pz}	μm	±15.0	-3.9	-4.6	-5.7	-6.9	-3.5	0.2	0.7	2.9	6.0	3.4	±15.0
P_z	mm	264.015 263.985	263.996	263.995	263.994	263.993	263.996	264.000	264.001	264.003	264.006	264.003	264.015 263.985

Workpiece number		rotor_example		CMM		 GEAR® PRO rotor	
Drawing number				Operator			
Order number				Company			
Part number incr.				Department			
type of rotor	female	lead direction	right	d_f/d_a	72.660/131.800 mm		
number of threads	6	lead height	264.000 mm	b_u/b_o	-176.400/-19.600 mm		
face width	196.000 mm	wrap angle	267°16'21"	external/gap			

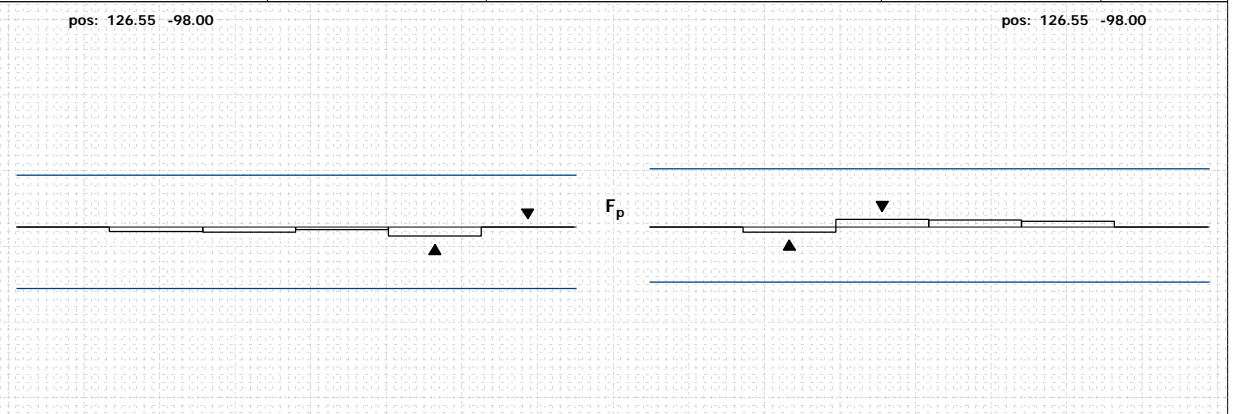


		[...]	∅	6	5	5	6	∅	[...]
F_β	μm	30.0	3.4	2.0	2.1	7.9	7.9	8.4	30.0
$f_{f\beta}$	μm	20.0	2.9	2.4	2.1	6.9	6.9	7.7	20.0
f_{pz}	μm	±15.0	-3.9	-1.8	-1.0	4.5	5.8	3.4	±15.0
P_z	mm	264.015 263.985	263.996	263.998	263.999	264.004	264.006	264.003	264.015 263.985

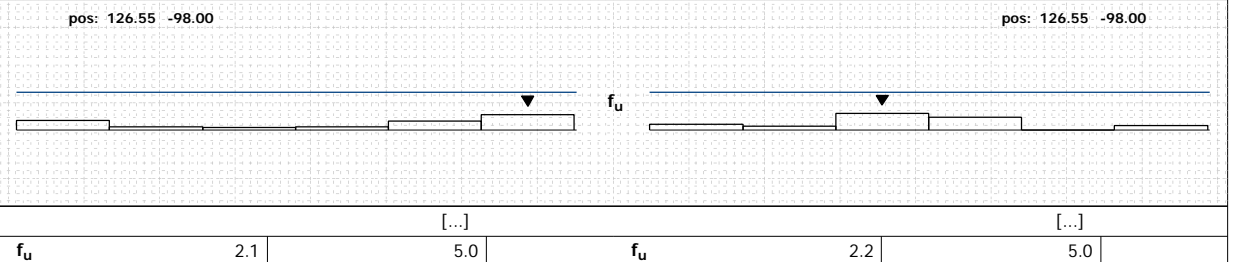
Workpiece number		rotor_example		CMM		 GEAR® PRO rotor	
Drawing number				Operator			
Order number				Company			
Part number incr.				Department			
type of rotor		female	lead direction	right	d_f/d_a	72.660/131.800 mm	
number of threads		6	lead height	264.000 mm	b_u/b_o	-176.400/-19.600 mm	
face width		196.000 mm	wrap angle	267°16'21"	external/gap		



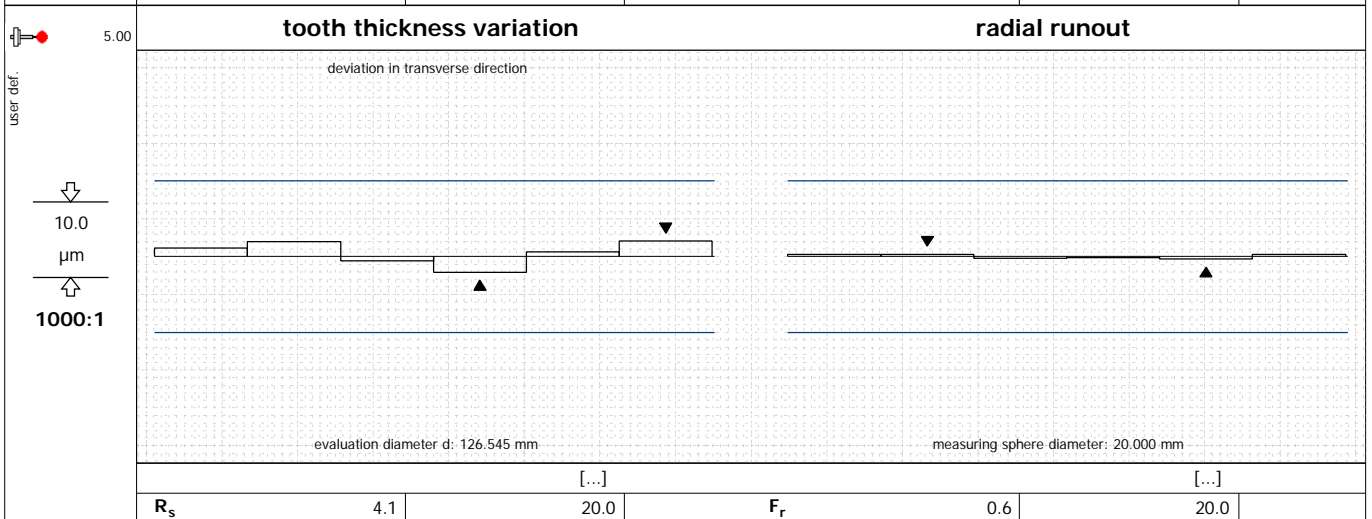
f_p	1.2	± 10.0	f_p	1.6	± 10.0
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F_p	1.2	15.0	F_p	1.6	15.0
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f_u	2.1	5.0	f_u	2.2	5.0
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R_s	4.1	20.0	F_r	0.6	20.0
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Workpiece number		rotor_example		CMM		 GEAR® PRO rotor	
Drawing number				Operator			
Order number				Company			
Part number incr.				Department			
type of rotor		female	lead direction	right	d_f/d_a	72.660/131.800 mm	
number of threads		6	lead height	264.000 mm	b_u/b_o	-176.400/-19.600 mm	
face width		196.000 mm	wrap angle	267°16'21"	external/gap		

