

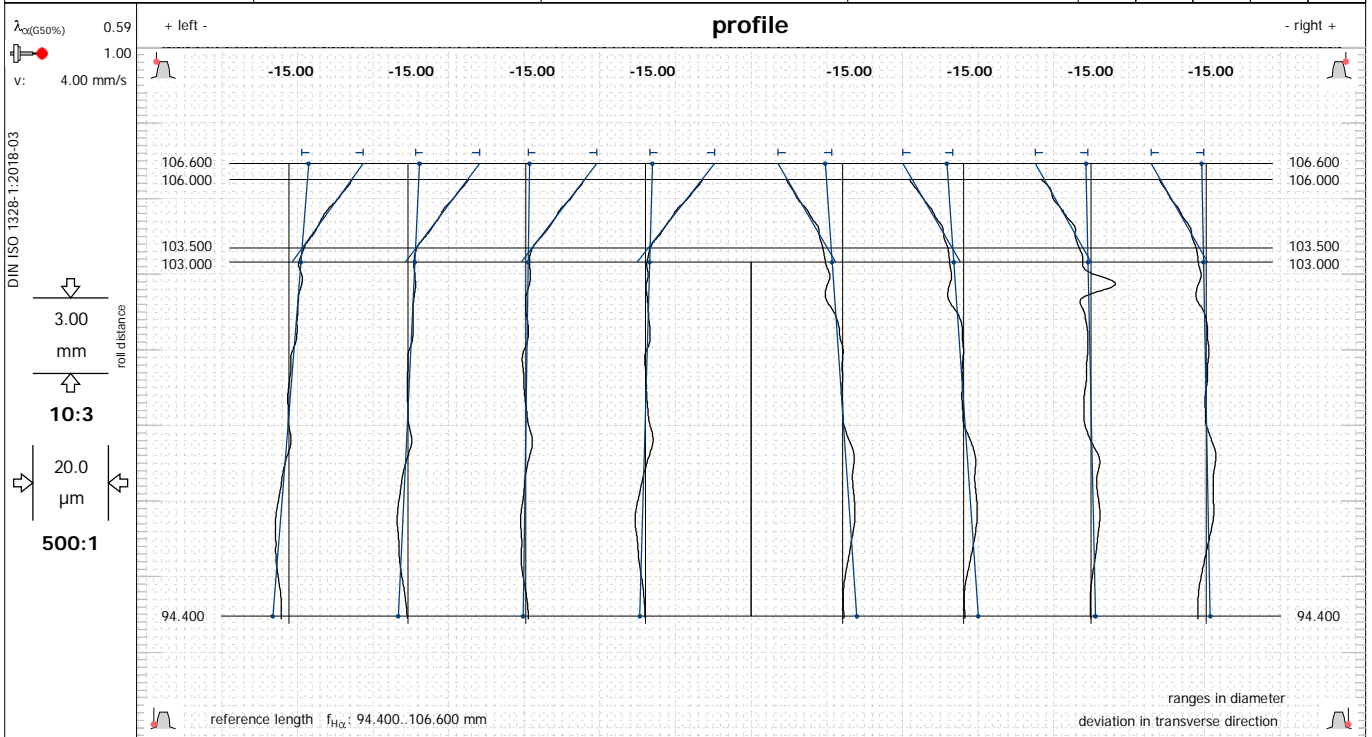
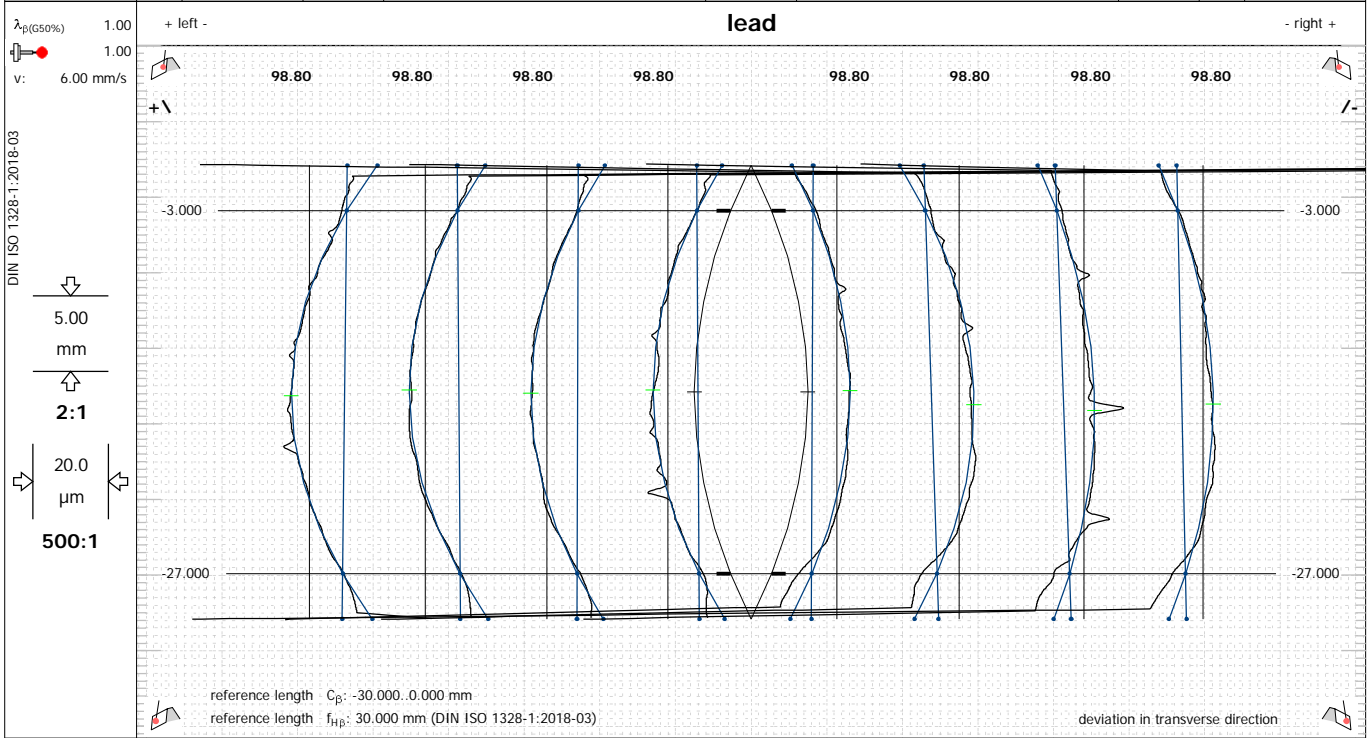


Workpiece number involute_example				CMM		 GEAR® PRO involute	
Drawing number				Operator			
Order number				Company			
Part number incr.				Department			
z	24	α_n	20.000 °	d_f/d_a	88.700/106.600 mm		
m_n	4.000 mm	β	R 15.000 °	d	99.387 mm		
x	-0.100	b	30.000 mm	d_b	93.003 mm		



	Q_n	[...]	\emptyset	19	13	7	1	Q_a	Q_a	1	7	13	19	\emptyset	Q_n	[...]
F_α	8	26.0	5.0	7.2	4.8	3.1	4.8	5	6	7.9	7.8	9.4	5.2	7.6	8	26.0
$f_{f\alpha}$	8	20.0	3.6	3.5	3.8	3.0	4.2	4	6	5.7	5.7	9.5	5.6	6.6	8	20.0
$f_{H\alpha}$	8	± 16.0	-5.0	-9.5	-5.7	-1.6	-3.3	7	7	-8.4	-8.3	-2.5	-2.3	-5.4	8	± 16.0
C_a	8	20.0 ± 10.0	17.1	16.1	17.0	18.2	17.1			14.1	13.3	14.0	13.7	13.8		20.0 ± 10.0





	Q_n	[...]	\emptyset	19	13	7	1	Q_a	Q_a	1	7	13	19	\emptyset	Q_n	[...]
F_β	8	27.0	5.9	7.1	4.5	3.8	8.0	5	6	6.0	6.2	10.5	3.9	6.6	8	27.0
$f_{f\beta}$	8	20.0	3.4	3.8	1.5	1.8	6.5	5	7	5.4	5.7	11.9	4.9	7.0	8	20.0
$f_{H\beta}$	8	± 18.0	-0.1	-1.3	0.8	-0.4	0.7	1	4	-0.4	3.9	4.2	2.7	2.6	8	± 18.0
C_β	8	15.0 ± 10.0	20.2	22.1	20.5	19.4	18.7			15.6	17.7	12.9	13.1	14.8		15.0 ± 10.0

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1.00 ↓ 20.0 μm ↑ 500:1	pitch		left		right																																														
	pos: 99.39 -15.00		deviation in transverse direction		pos: 99.39 -15.00																																														
	pitch without consideration of flank evaluation																																																		
	- single flank -																																																		
	<table border="1"> <tr> <td>f_p</td> <td>Q_a</td> <td>[...]</td> <td>Q_n</td> <td>f_p</td> <td>Q_a</td> <td>[...]</td> <td>Q_n</td> </tr> <tr> <td>3.3</td> <td>4</td> <td></td> <td>±19.0</td> <td>7.0</td> <td>6</td> <td></td> <td>±19.0</td> </tr> <tr> <td>8</td> <td></td> <td></td> <td>8</td> <td>8</td> <td></td> <td></td> <td>8</td> </tr> </table>		f_p	Q_a	[...]	Q_n	f_p	Q_a	[...]	Q_n	3.3	4		±19.0	7.0	6		±19.0	8			8	8			8	<table border="1"> <tr> <td>F_p</td> <td>Q_a</td> <td>[...]</td> <td>Q_n</td> <td>F_p</td> <td>Q_a</td> <td>[...]</td> <td>Q_n</td> </tr> <tr> <td>9.8</td> <td>3</td> <td></td> <td>58.0</td> <td>11.9</td> <td>4</td> <td></td> <td>58.0</td> </tr> <tr> <td>8</td> <td></td> <td></td> <td>8</td> <td>8</td> <td></td> <td></td> <td>8</td> </tr> </table>		F_p	Q_a	[...]	Q_n	F_p	Q_a	[...]	Q_n	9.8	3		58.0	11.9	4		58.0	8			8	8		
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	evaluation diameter d: 99.387 mm (- reference circle -)																										
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