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ZMX EL-3.1-10.8

Model descriptions

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Nominal model

File name: **ZMX EL-3.1-10.8 OL1224 (184-108-XX_Frey_P2.3.3 v260902) (nominal).zmx**

Variable surface modelled as Standard Surface

The nominal model includes a Tolerance Data Editor list with all relevant tolerance values for Sensitivity and Monte Carlo analysis. Please note: The surface irregularity values of the TEZI operand are higher than the ones in the single ZMX files for specific aberrations since the normalization takes place over the full semi-diameter here!

Surface Properties

	Surface Type	Comment	Radius	Thickness	Material	Coating	Clear Semi-Dia	Chip Zone	Mech Semi-Dia	Conic	TCE x 1E-6	Par 0(used)	Par 1(used)	Par 2(used)
0	OBJECT	Standard	Infinity	Infinity			0.000	0.000	0.000	0.000	0.000			
1	(aper)	Standard	Infinity	0.060			4.750 U	0.000	4.750 U	0.000	0.000			
2		Standard	Infinity	0.000			1.960 U	0.000	4.350 U	0.000	0.000			
3	(aper)	Standard	Infinity	0.420	1.52,54.5 M		4.350 U	0.000	4.350 U	0.000	0.000			
4	(aper)	Standard	Infinity	0.360			4.350 U	0.000	4.350 U	0.000	0.000			
5	(aper)	Standard	Variable (Radius -29.14 to 29.14)	0.380 E	OL1224		1.700 U	0.000	2.950 U	0.000	-			
6	(aper)	Standard	Container glass	0.300	1.52,54.5 M		1.900 U	0.000	1.900 U	0.000	0.000			
7	STOP (aper)	Standard	Container glass	0.420			1.550 U	0.000	1.900 U	0.000	0.000			
8	(aper)	Standard	Housing	Infinity	M		1.650 U	0.000	4.600 U	0.000	0.000			
9	IMAGE	Standard		-			1.550	0.000	1.550	0.000	0.000			

Operand Properties

	Active : 2/3	Config 1	Config 2*	Config 3
1	MOFF	-	Min. focal power:	Max. focal power:
2	MOFF	-	-10.0 dpt	+10.0 dpt
3	CRVT	5	-0.034 V	0.034 V

Tolerance Data Editor

Type	Surf		Nominal	Min	Max	Comment
1	STAT	0	2			Type 0 = Normal distribution
2	TTHI	2	2	0.210	-0.020	Tol on Thickness
3	TTHI	4	4	0.460	-0.015	Tol on Thickness
4	TTHI	5	5	0.300	-0.020	Tol on Thickness
5	TSDX	4		0.000	-0.030	Tol on Surface Decenter
6	TSDY	4		0.000	-0.030	
7	TSTX	4		0.000	0.286	Tol on Surface Tilt
8	TSTY	4		0.000	0.286	
9	TIND	4		1.290	-5.000E-04	Tol on Refractive Index
10	TABB	4		101.808	-0.475	Tol on Abbe Number
11	STAT	1	2			Type 1 = Uniform distribution
12	TEZI	4	6	5	0.000	Tol on Surface Irregularity over total SD in terms of Zernike Standard Sag
13	TEZI	4	7	7	0.000	Tol on Surface Irregularity over total SD in terms of Zernike Standard Sag