



$$z(x, y) = C_{x0y1} \frac{y}{R} + C_{x2y0} \left(\frac{x}{R}\right)^2 + C_{x0y2} \left(\frac{y}{R}\right)^2 + C_{x2y1} \left(\frac{x}{R}\right)^2 y + C_{x0y3} \left(\frac{y}{R}\right)^3 + C_{x4y0} \left(\frac{x}{R}\right)^4 + C_{x2y2} \left(\frac{x}{R}\right)^2 \left(\frac{y}{R}\right)^2 + C_{x0y4} \left(\frac{y}{R}\right)^4$$

		Table 1: Geometric parameters of the 10th order Chebyshev polynomial										
		Norm Radius		X0Y1	X2Y0	X0Y2	X2Y1	X0Y3	X4Y0	X2Y2	X0Y4	
		Value	2500.0	-16.745827	-388.257509	-221.025344	56.321201	23.523376	12.245981	-0.873452	-3.081522	
		r=-2500 mm	r=-2000 mm	r=-1500 mm	r=-1000 mm	r=-500 mm	r=0 mm	r=500 mm	r=1000 mm	r=1500 mm	r=2000 mm	r=2500 mm
(r, 0)		-376.012	-243.469	-138.186	-61.808	-15.511	0.000	-15.511	-61.808	-138.186	-243.469	-376.012
(0, r)		-230.884	-141.366	-75.002	-30.250	-5.685	0.000	-12.007	-40.636	-84.935	-144.071	-217.329

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
	NAME	SIGNATURE	DATE			TITLE:					
DRAWN	P. GALLARDO										
CHK'D											
APPV'D											
MFG											
Q.A				MATERIAL:		DWG NO.  TMP_Mech_Var8A_M2				A4	
				WEIGHT:		SCALE:1:48				SHEET 1 OF 1	