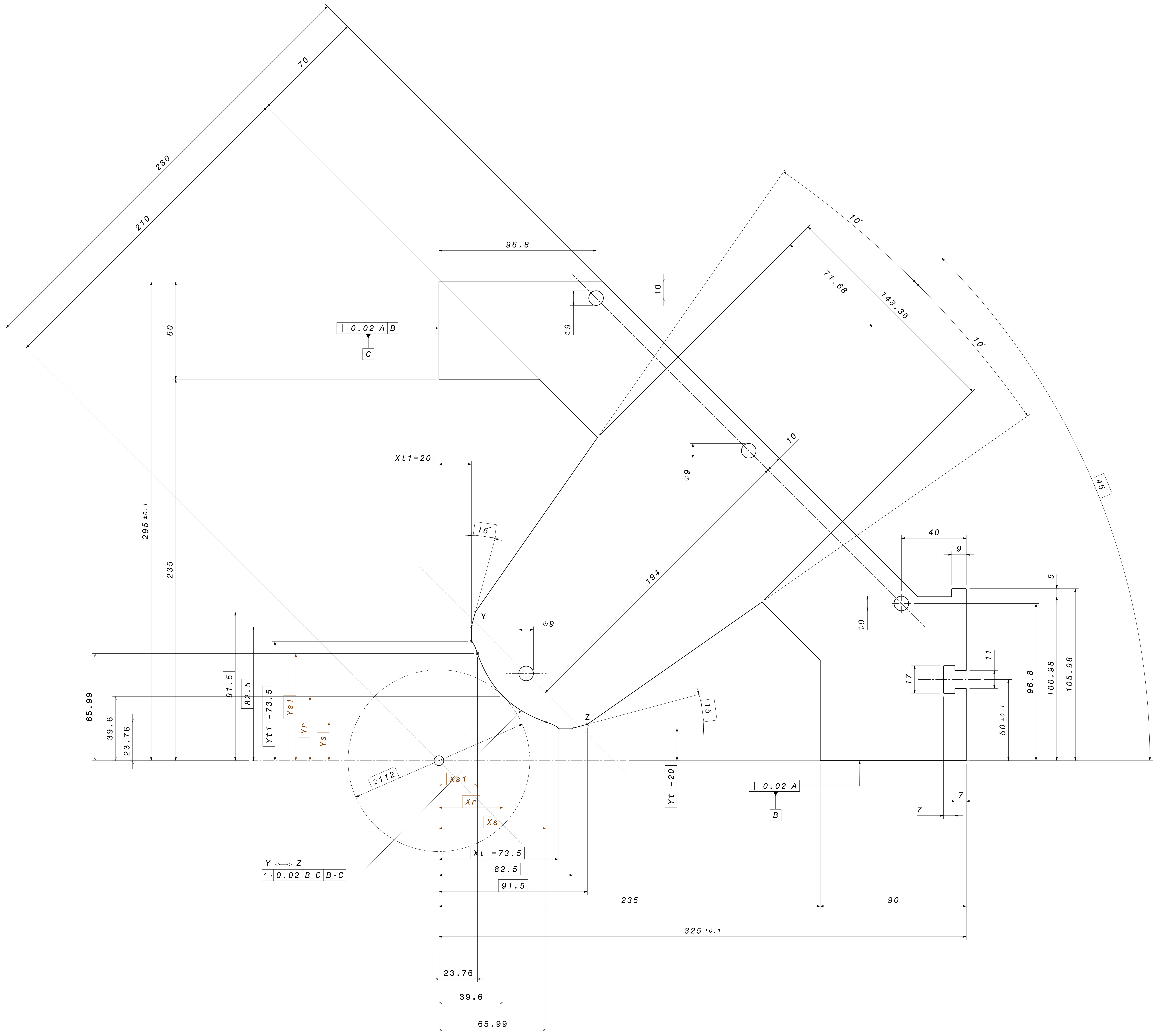
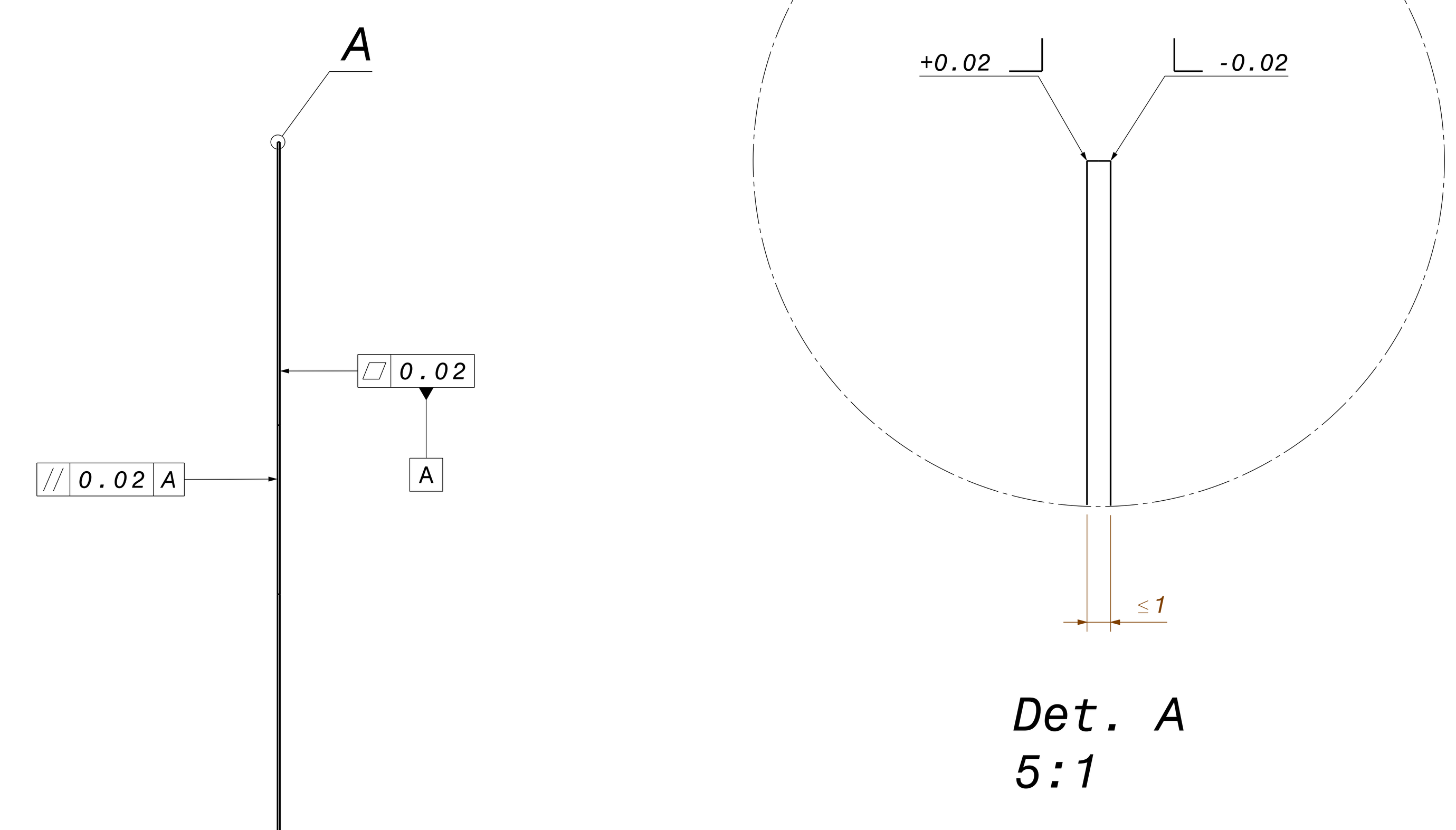
Modifica 1 : Aggiornato disegno. Data 01.12.2016 G.Loda





ESS Q6(7) pole profile nominal functions:

$$y=\frac{R^2}{2x}\ ;\ for\ \frac{R}{\sqrt{2}}\le x\le x_s$$

$$y=\frac{R^2}{2x}-K_y\left(\frac{x-x_s}{x_t-x_s}\right)^N\ ;\ for\ x_s\le x\le x_t$$

where:

$$K_y=\frac{R^2}{2x_t}-y_t$$

$$x_s=x_t+N\frac{K_y}{T+\frac{R^2}{2x_t^2}}$$

$$T=\tan\left(\alpha-\pi/4\right)$$

With the parameters:

$$R=56\,mm$$
$$x_t=73.5\,mm$$
$$y_t=20\,mm$$
$$N=4$$
$$\alpha=0$$

the numerical functions are:

$$y=1568/x\ ;\ for\ 39.5980\le x\le 65.9856$$

$$y=1568/x-1.\dot{3}\left(\frac{x-65.9856}{7.5144}\right)^4\ ;\ for\ 65.9856\le x\le 73.5$$

Sheet plate thickness ≤ 1 mm

Origine / Main Assembly	Rugosità / Roughness					Tolleranze Generali (mm) - Grado Medio / General Tolerances (mm)							Togliere tutte le bave / Remove all burrs
___	Nuovo / New	N10	N8	N5	N2	Da/From: A/To:	0 6	>6 50	>50 120	>120 315	>315 1000	>1000	Smussi NON Quotati: 0.5x45 / NON dim. chamfers: 0.5x45
Posizione / Number ___	Ra(µm)	12.5	3.2	0.4	0.05	(mm)	± 0.1	±0.2	± 0.3	±0.5	±0.8	±1.2	Materiale / Material FeSi

Elettra Sincrotrone Trieste

Titolo Disegno / Drawing Title: YOKE Q6

Modifica/Revision	1	Formato/Size	A0	Foglio/Sheet	1/1
Prg/Dsg	G.Loda	Data/Date	08/01/2016	Scala/Scale	1:1
Appr/Chk	___	Data/Date	___	Peso/Wgt	-- Kg

Disegno/Drawing N. Q6P100