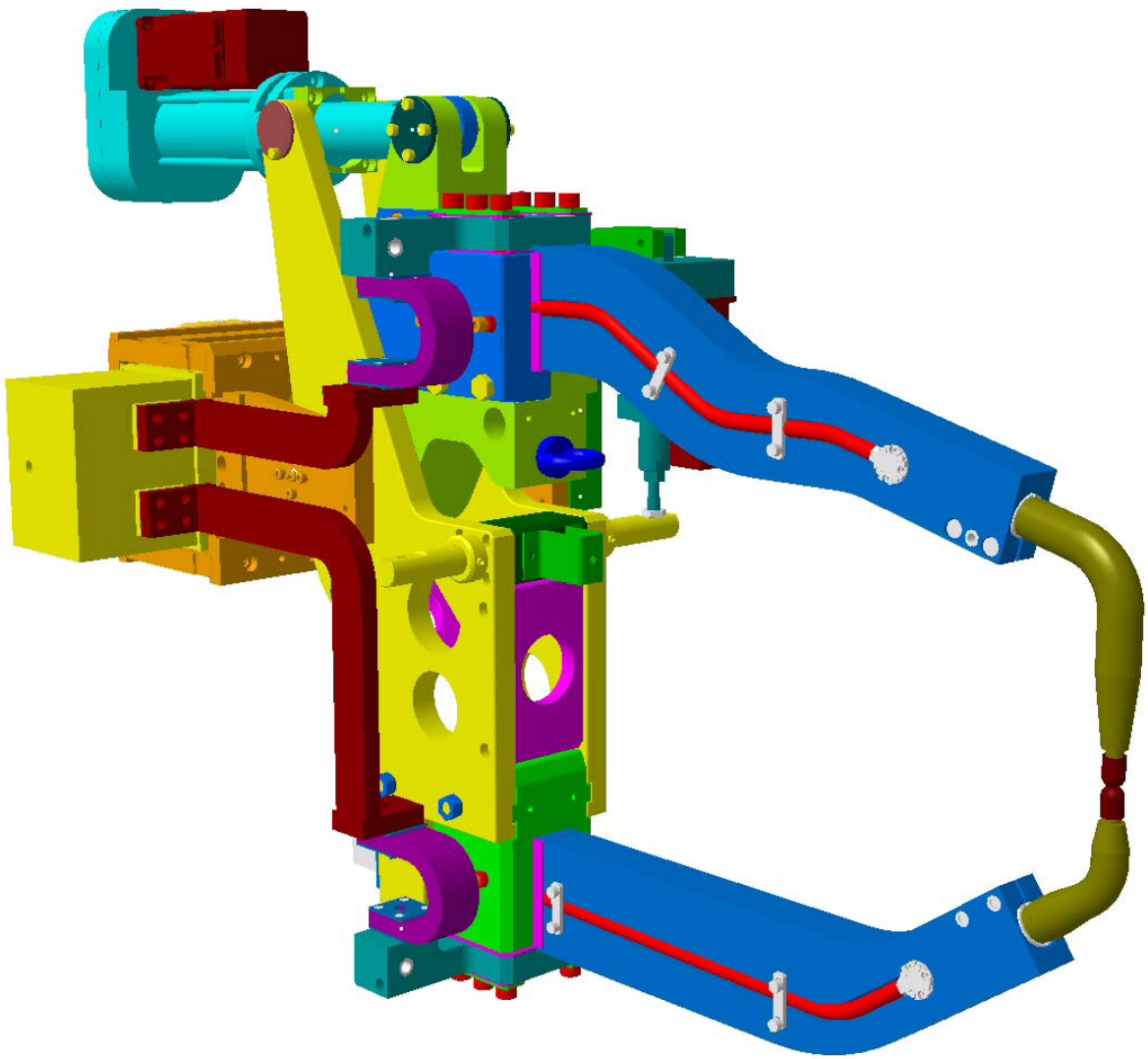
ROBOT GUN

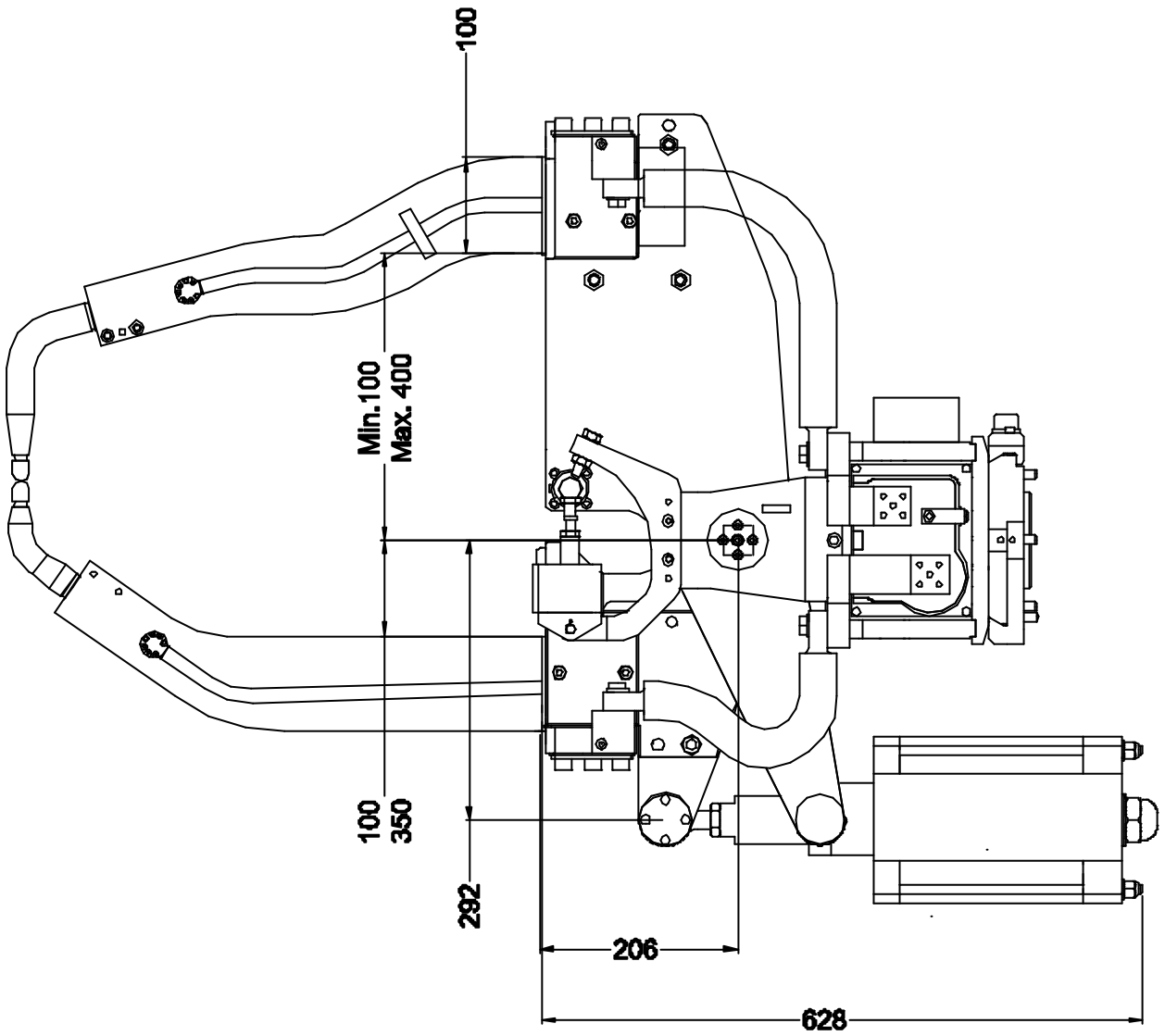
X-120



SERRA

QUALITY MANAGEMENT Certificate

SERRA	ROBOT GUN X-120	70767
		Date: 15/04/01



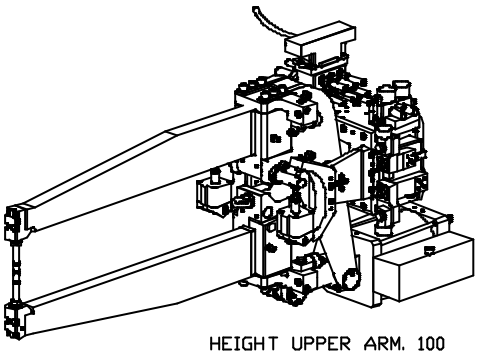
FORMABLE DISTANCE BETWEEN ARMS
TO SEE CONFIGURATIONS DATA SHEET

SERRA

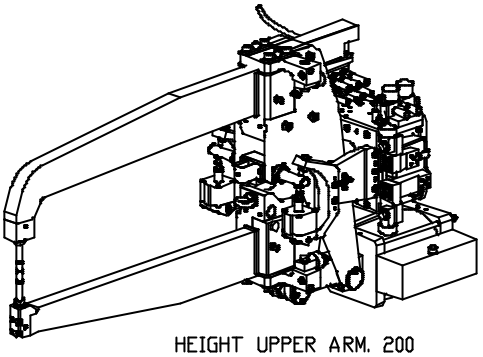
ROBOT GUN X-120 CONFIGURATIONS

70767

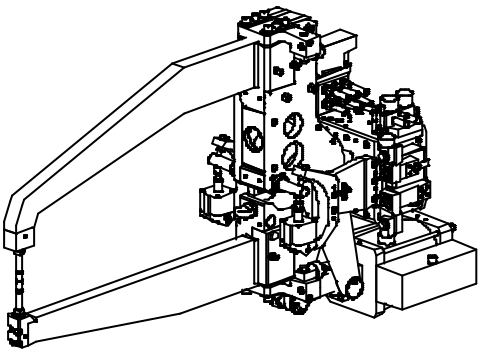
Date: 15/04/01



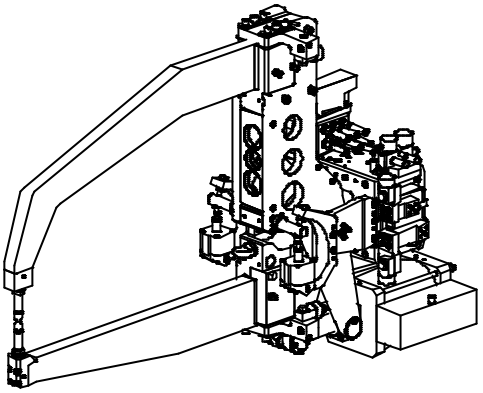
HEIGHT UPPER ARM. 100
HEIGHT DOWN ARM. 100



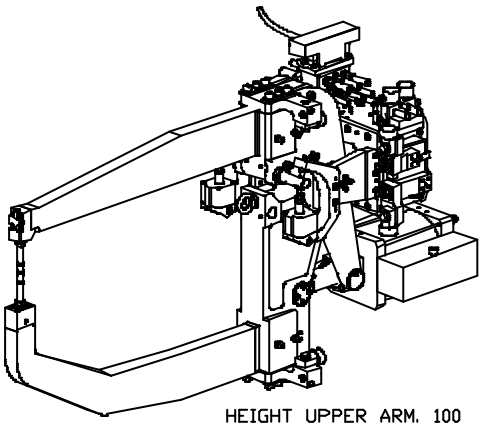
HEIGHT UPPER ARM. 200
HEIGHT DOWN ARM. 100



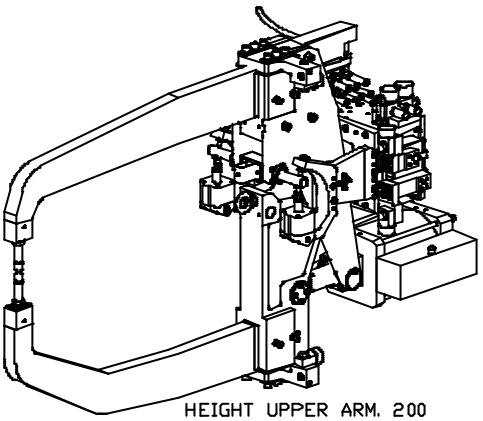
HEIGHT UPPER ARM. 300
HEIGHT DOWN ARM. 100



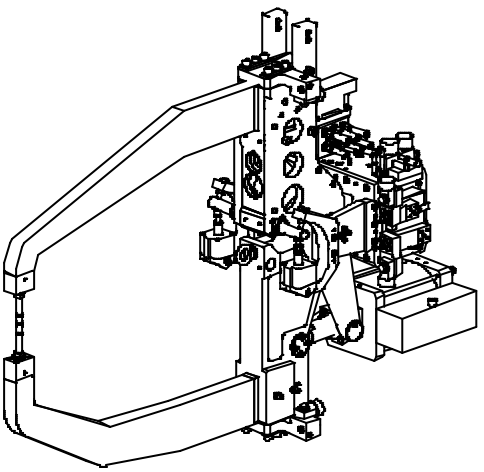
HEIGHT UPPER ARM. 400
HEIGHT DOWN ARM. 100



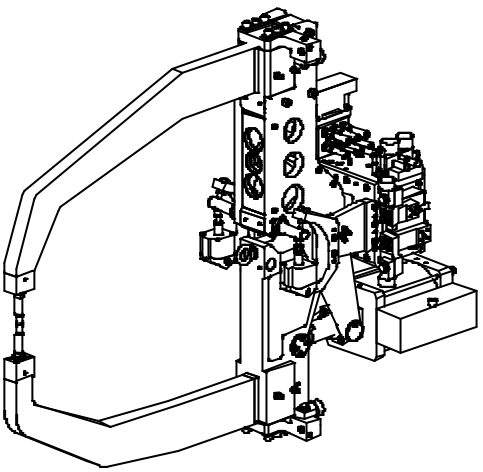
HEIGHT UPPER ARM. 100
HEIGHT DOWN ARM. 350



HEIGHT UPPER ARM. 200
HEIGHT DOWN ARM. 350



HEIGHT UPPER ARM. 300
HEIGHT DOWN ARM. 350



HEIGHT UPPER ARM. 400
HEIGHT DOWN ARM. 350

X120. Force at electrodes. Cylinder ø125

Pressure (bar) / Length (mm)	2	3	4	5	6	7	8	9	10
500	103	154	205	256	308	359	410	461	513
600	90	135	179	224	269	314	359	404	448
700	80	120	159	199	239	279	319	359	399
800	72	108	144	179	215	251	287	323	359
900	65	98	130	163	196	228	261	294	326
1000	60	90	120	149	179	209	239	269	299

X120. Force at electrodes. Cylinder ø140

Pressure (bar) / Length (mm)	2	3	4	5	6	7	8	9	10
500	129	193	257	321	386	450	514	579	643
600	113	169	225	281	338	394	450	506	563
700	100	150	200	250	300	350	400	450	500
800	90	135	180	225	270	315	360	405	450
900	82	123	164	205	245	286	327	368	409
1000	75	113	150	188	225	263	300	338	375

X120. Force at electrodes. Cylinder ø160

Pressure (bar) / Length (mm)	2	3	4	5	6	7	8	9	10
500	168	252	336	420	504	588	672	756	840
600	147	220	294	367	441	514	588	661	735
700	131	196	261	327	392	457	522	588	653
800	118	176	235	294	353	411	470	529	588
900	107	160	214	267	321	374	427	481	534
1000	98	147	196	245	294	343	392	441	490

It is surpassed limits resistant of the body (750 daN).

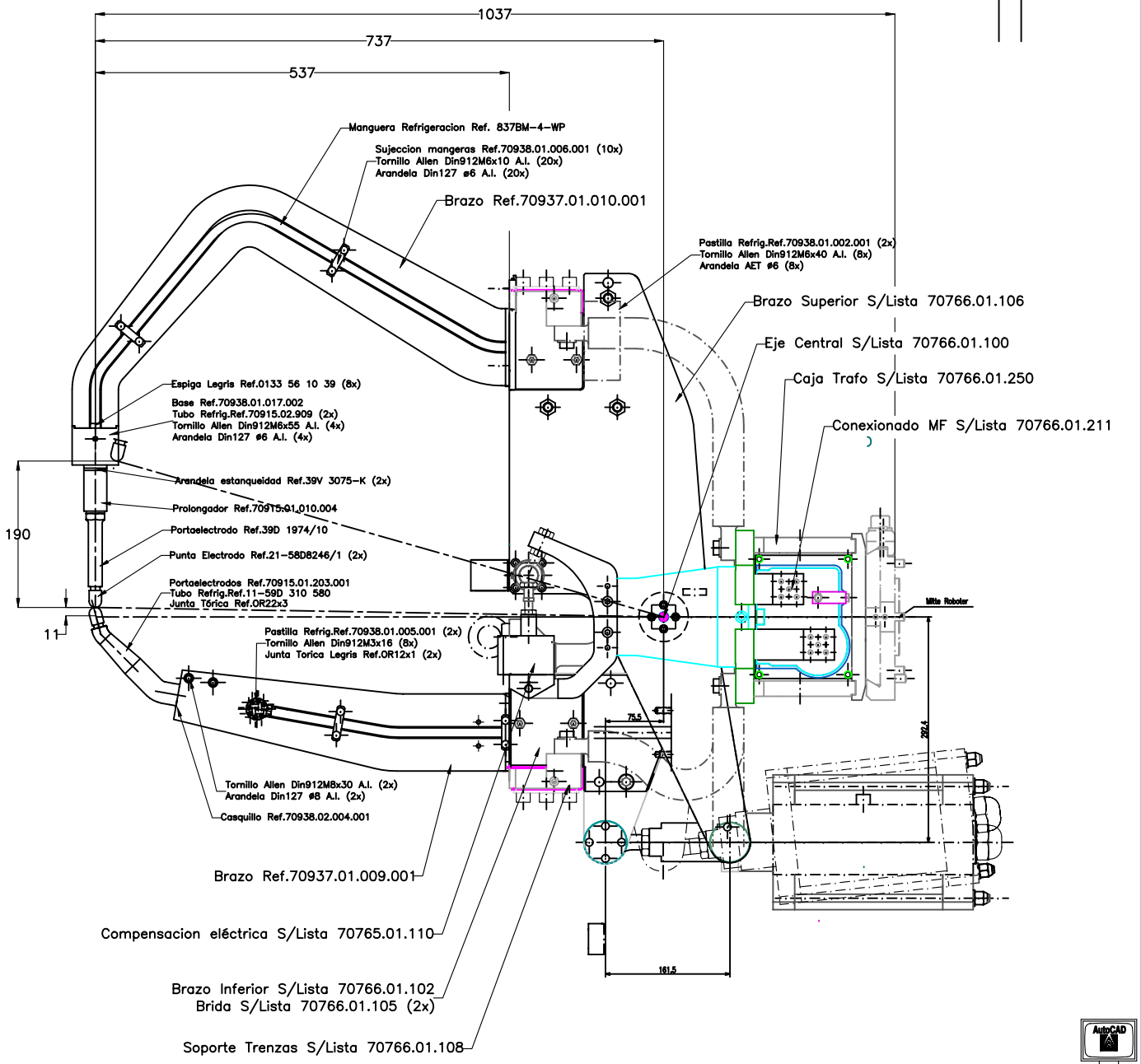
	MODEL	Units	X120
General data	Arm diameter	mm	40x100
	Gun body maximum resistance	daN	750
	Distance between arms. mín. / máx. "Z"	mm	200 / 750 s/cuerpo
	Steps wheelbase arms	mm	--
	Maximum arm length	mm	750
	Gun weigth (min-max)	Kg.	135 - 160

Pneumatic version	Cylinder diameter	mm	125/140/160
	Cylinder pre-stroke	mm	60
	Gun rotation angle in pre-stroke	Grados	11.5
	Cylinder stroke	mm	30
	Total gun stroke rotation angle	Grados	5.8
	Maximum air pressure	bar	10
	Cylinder force at 10 bar / Cylinder ø125/140/160	daN	1227/1539/2010

Cooling	Maximum water inlet temperature	ºC	30
	Minimum water inlet temperature	ºC	10
	Minimum water diferential pressure	bar	1.5
	Cooling flow	L/mín.	9

A-0

MODIFICACIONES



DATOS TÉCNICOS	
Esfuerzo Máx. de trabajo en puntas de electrodo	400 daN
Presión Máx. de trabajo	– bar
Abertura total	190 mm
Abertura de aproximación	--- mm
Abertura de soldadura	-- mm
Diámetro del cilindro de soldadura	--- mm
Carrera del cilindro de soldadura	--+-- mm
Potencia del transformador	100 MF kVA
Voltaje / Frecuencia del transformador	500 V / 1000 Hz
Corriente de soldadura	– A
Corrinete Máx. de soldadura	– A
Corriente Máx. de cortocircuito	– A
Peso de la pinza	– Kg
Carrera compensación	5 mm
Config. montaje	----

¡¡¡ ATENCIÓN !!!

El máximo esfuerzo en puntas de electrodos es 400 daN a --- bar, no sobrepasar este valor.

AutoCAD
Dpto. Standard

TOLERANCIA GENERAL
LONGITUDES.....j13
EJES.....h13
AGUJEROS.....H13
ANGULOS .....30'
CALDERERIA
t. .....

SUAVIZAR ARISTAS CON CHAFLANES DE 0.5X45°

MATERIAL –
DIMENSIONES –
TRATAMIENTO –

SERRA

	FECHA	NOMBRE
DIBUJADO	ENE-04	J.REVERTE
VISTO		

ESCALA 1/2

DENOMINACION ESTUDIO PINZA ROBOT X-120

Nº PLANO 70767.01.001.000