

		1		2			3 4			
A	37	27 A ISO 7040 MA2 M				hovas	con put with clamping part			
		4	ISO 7040-M3-N			_	hexagon nut with clamping part			
	36	4	-			hexagon nut (2 of them printer specific)				
	35	9	DIN 912 M3 x 8 8N			hexagon socked head cap screw				
	34	1	DIN 912 M3 x 10 10N			hexagon socked head cap screw (printer specific)				
	33	2	DIN 912 M3 x 12 12N			hexagon socked head cap screw				
	32	2	DIN 912 M3 x 16 16N			hexagon socked head cap screw (printer specific)				
В	31	3	DIN 912 M4 x 25 25N			hexagon socked head cap screw				
	30	1	DIN 912 M4 x 16 16N			hexagon socked head cap screw				
	29	6	DIN 912 M4 x 12 12N			hexagon socked head cap screw				
	28	4	DIN 912 M4 x 8 8N			hexagon socked head cap screw				
	27	1	Lower_Syringe_Holder_Part-3			AM part				
	26	1	Lower_Syringe_Holder_Part-2			AM part AM part				
	25	2	Lower_Syringe_Holder_Part-1							
	24		DIN EN 24014 - M5 x 40 x 16-N			hexagonal bolt with shank				
	23	2	Parallel Pin ISO 2338 - 4 h6 x 24 - St			cylindrical pin				
	22	1	Upper_Syringe_Holder_Part-3			AM part				
	21	1	Upper_Syringe_Holder_Part-2			AM part				
	20 19	1	Upper_Syringe_Holder_Part-1			AM part				
С		1	Nozzle_4mm			AM part B. Braun 50 ml Perfusor syringe without cannula, Art. No.				
	18	1	Rubber_Piston			131246				
	17	1	Syringe			B. Braun 50 ml Perfusor syringe without cannula, Art. No. 131246				
	16	2	Knurled_Nut_GN-6303.1-M5-NI			with quick-release function, M5				
	(15)	1	Cable_Mount			AM part, printer specific				
	(14)	1	Spacer_Printer_Linear_x-Axis			AM part, printer specific				
	13	1	Piston_Adapter			AM part				
	(12)	1	Touch_Sensor_Mount			AM part, printer specific				
	11	1	Linear_Guide_Mount			AM part				
D	10	1	Frame_60x60			aluminium angle 60mm x 60mm x 2mm, I = 173 mm, anodised				
	9	1	Stepper_Motor_Mount			AM part				
	8	1	Linear_Guide_Cover			AM part				
	7	1	Linear_Guide			aluminium square profile, 25mm x 25mm x 1.5mm, I = 173mm, anodised				
	6	1	Linear_Guide_Glider			AM part				
E .	5	1	Shaft_Coupling			rigrid, 10mm x 10mm (outside: d=16 mm, l=23 mm)				
	4	1	Shaft_Coupling			rigrid, 5mm x 10mm (outside: d=16 mm, l=23 mm)				
	3	1	Motor_Cable			ZK-VHR-6-300-4, SCA56, 0.3 m				
	2	1	Lead_Screw_Tr10x2_200			SCREW-ABA_TSCA-200, stainless steel				
	1	1	Stepper_Motor_Nema_23			LA561S20-A-TSCA - non captive linear actuator, Nema 23				
	ITEM	QTY	Name		Description					
				Permitted deviation: S		urface:	Scale: Weight:			
							Material:			
$\mid \mid \mid$		7	Ψ							
					Date	Name	Title:			
				drawn checked			Extruder 3D-PEDT			
				Norm			Parts list			
			TU Bergakademie F Institut für Maschine			ielement	Drawing number:	A4		
				Konstruktion und Fertigung			2			
Ш	Change Date Name						SHEET 2 OF 5			





