

SECTION A-A

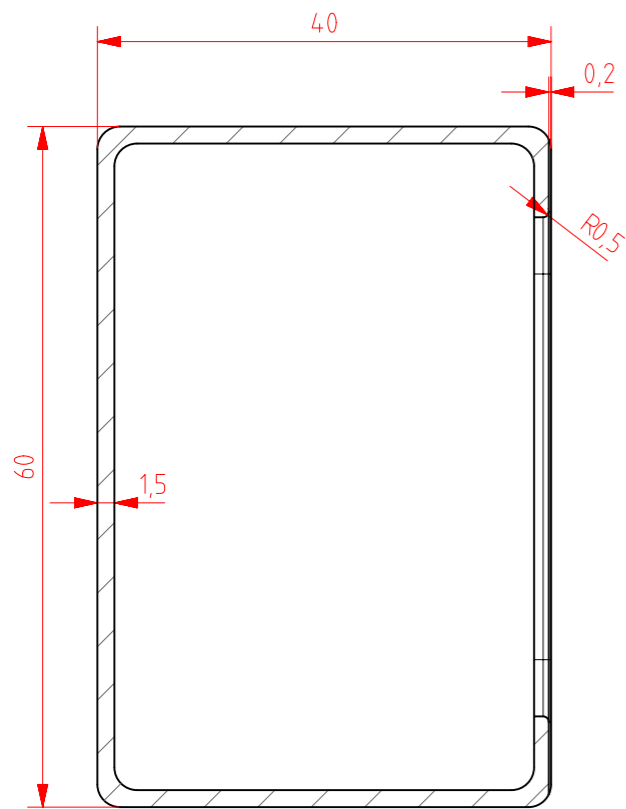
Ra 1,6

Projectcode: 623001
 Werkorder: G1003
 Dimensions: LxBxH
 Material: AISI 316L (14404)
 Mass [kg]: 2,3

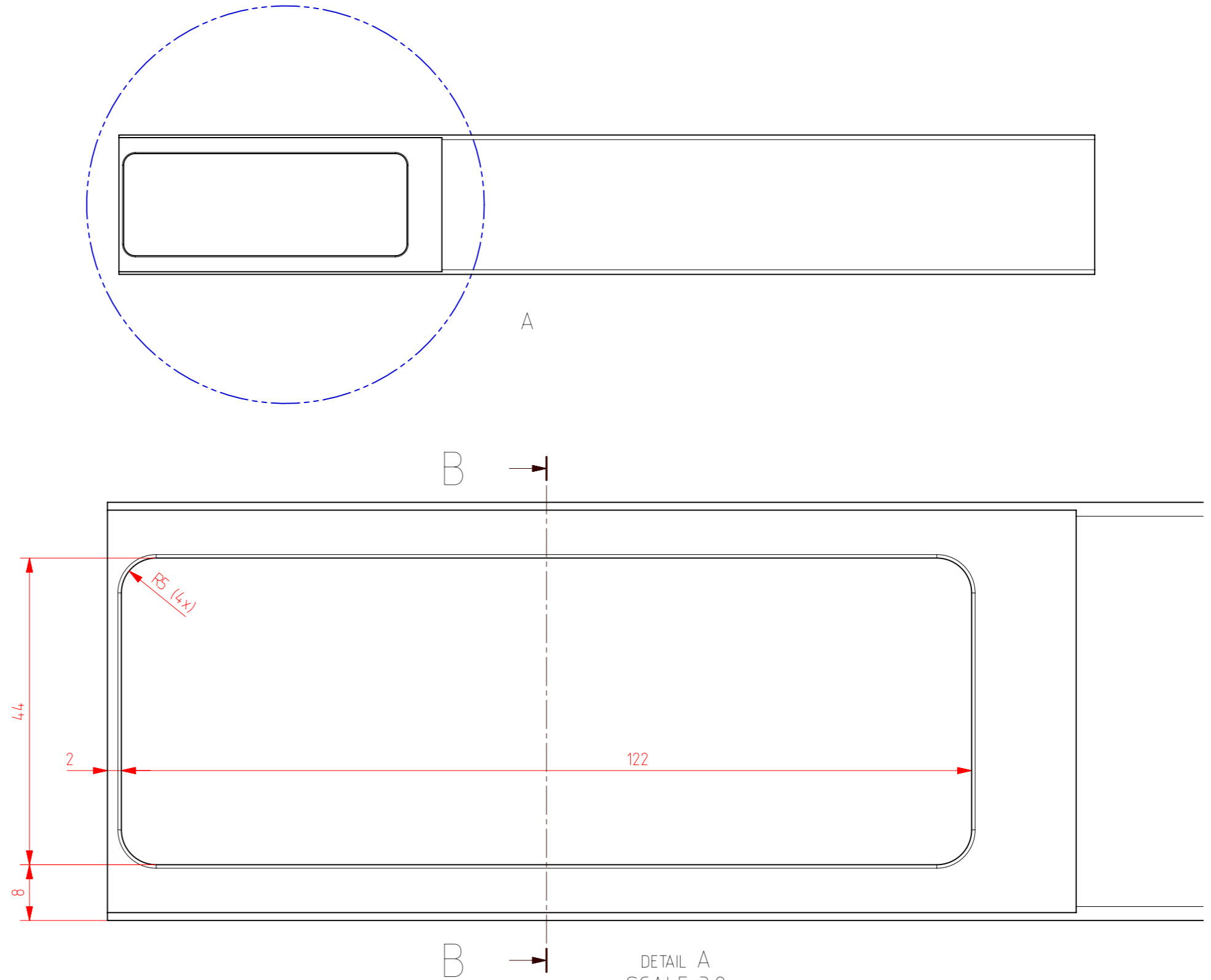
Shape- and dest.fol. acc. NEN-ISO 1101	Dim. tol. acc. NEN-ISO 406	General Tolerances NEN-ISO 2768-1m / 2768-2K		Roughness acc. NPR 3634	mm		Scale 1:1
		Date:	Name:	Project: EXL Proto		A3	Sheet 1/1
		Drawn:	M.Lindemulder	Group: GSI NUSTAR			
		Checked:	-	Name: CF-NW100			
		Revision		Date	Drawing number: 3,0911,2000-01_dwg		

NEN ISO 2768-2K	Nominal dims. mm	Straightness	—	f/m10	10-30	30-100	100-300	300-1000	1000-3000	Squareness	⊥	f/m100	100-300	300-1000	1000-3000	Symmetry	≡	f/m100	100-300	300-1000	1000-3000	Circular Stroke	↗
Geometrical tolerances	Tolerance mm	& Flatness	□	0,05	0,1	0,2	0,4	0,6	0,8	⊥	0,4	0,6	0,8	1	≡	0,6	0,8	1	↗	0,2			

Linear dimensions	0-1	±0,1	3-6	±0,1	6-30	±0,2	30-120	±0,3	120-400	±0,5	400-1000	±0,8	1000-2000	±1,2	2000-4000	±2	4000-10000	±2	10000-100000	±2	100000-1000000	±2	1000000-10000000	±2	10000000-100000000	±2	100000000-1000000000	±2	1000000000-10000000000	±2	10000000000-100000000000	±2	100000000000-1000000000000	±2	1000000000000-10000000000000	±2
Nominal dims	0-10	±1°	10-50	±0°30'	50-120	±0°20'	120-400	±0°10'	400-1000	±0°10'	1000-10000	±0°10'	10000-100000	±0°10'	100000-1000000	±0°10'	1000000-10000000	±0°10'	10000000-100000000	±0°10'	100000000-1000000000	±0°10'	1000000000-10000000000	±0°10'	10000000000-100000000000	±0°10'	100000000000-1000000000000	±0°10'	1000000000000-10000000000000	±0°10'	10000000000000-100000000000000	±0°10'	100000000000000-1000000000000000	±0°10'	1000000000000000-10000000000000000	±0°10'
CornerRadius	0-10	±1°	10-50	±0°30'	50-120	±0°20'	120-400	±0°10'	400-1000	±0°10'	1000-10000	±0°10'	10000-100000	±0°10'	100000-1000000	±0°10'	1000000-10000000	±0°10'	10000000-100000000	±0°10'	100000000-1000000000	±0°10'	1000000000-10000000000	±0°10'	10000000000-100000000000	±0°10'	100000000000-1000000000000	±0°10'	1000000000000-10000000000000	±0°10'	10000000000000-100000000000000	±0°10'	100000000000000-1000000000000000	±0°10'	1000000000000000-10000000000000000	±0°10'
Tolerance	0-10	±1°	10-50	±0°30'	50-120	±0°20'	120-400	±0°10'	400-1000	±0°10'	1000-10000	±0°10'	10000-100000	±0°10'	100000-1000000	±0°10'	1000000-10000000	±0°10'	10000000-100000000	±0°10'	100000000-1000000000	±0°10'	1000000000-10000000000	±0°10'	10000000000-100000000000	±0°10'	100000000000-1000000000000	±0°10'	1000000000000-10000000000000	±0°10'	10000000000000-100000000000000	±0°10'	100000000000000-1000000000000000	±0°10'	1000000000000000-10000000000000000	±0°10'



SECTION B-B



DETAIL A
SCALE 3:2

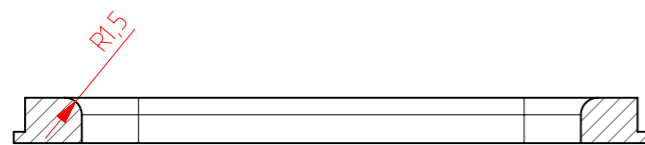
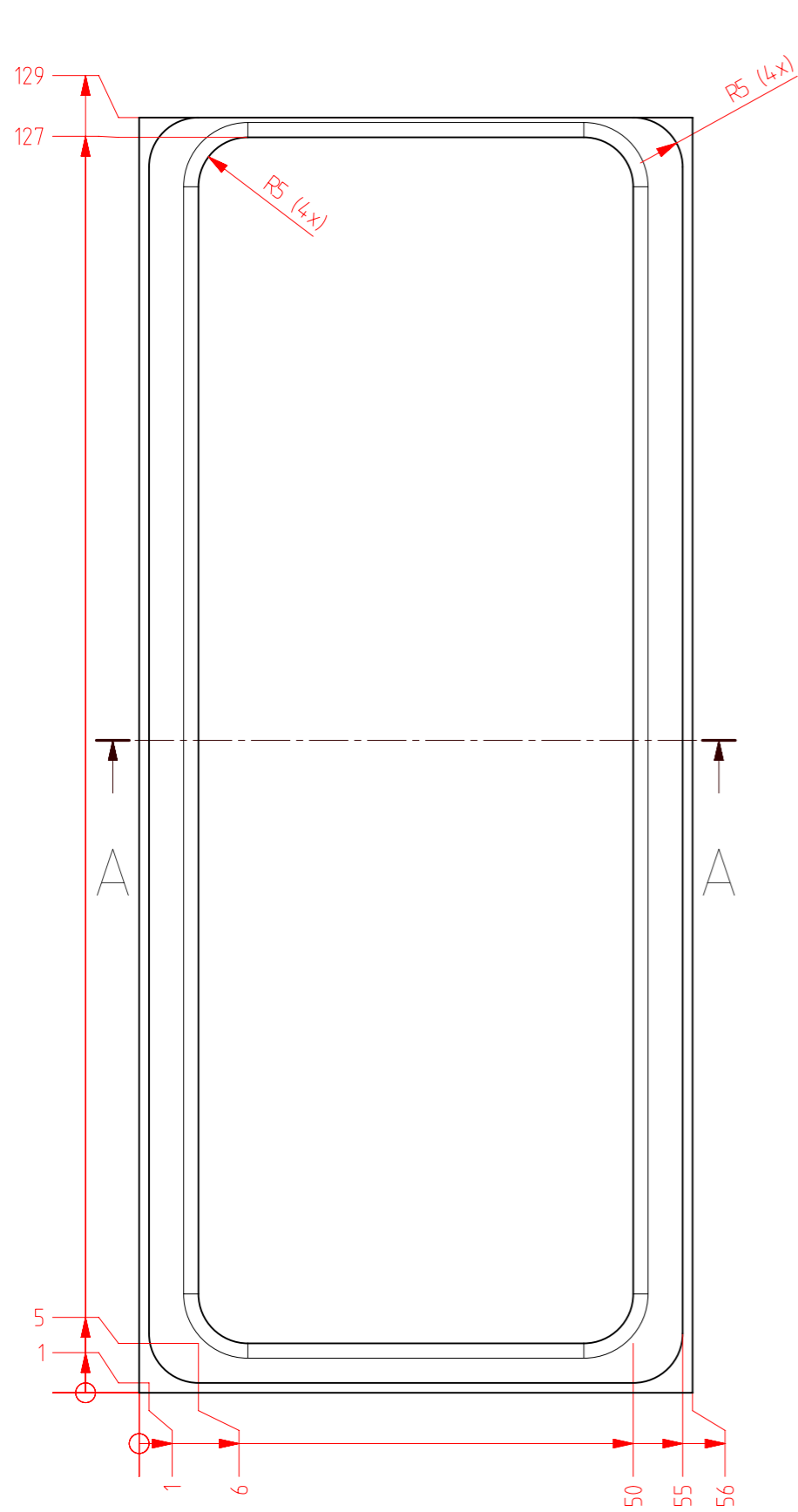
Ra 1,6

Projectcode: 623001
 Werkorder: G1003
 Dimensions: 60x40x1,5
 Material: AISI 304L (14.306)
 Mass [kg]: 0,9

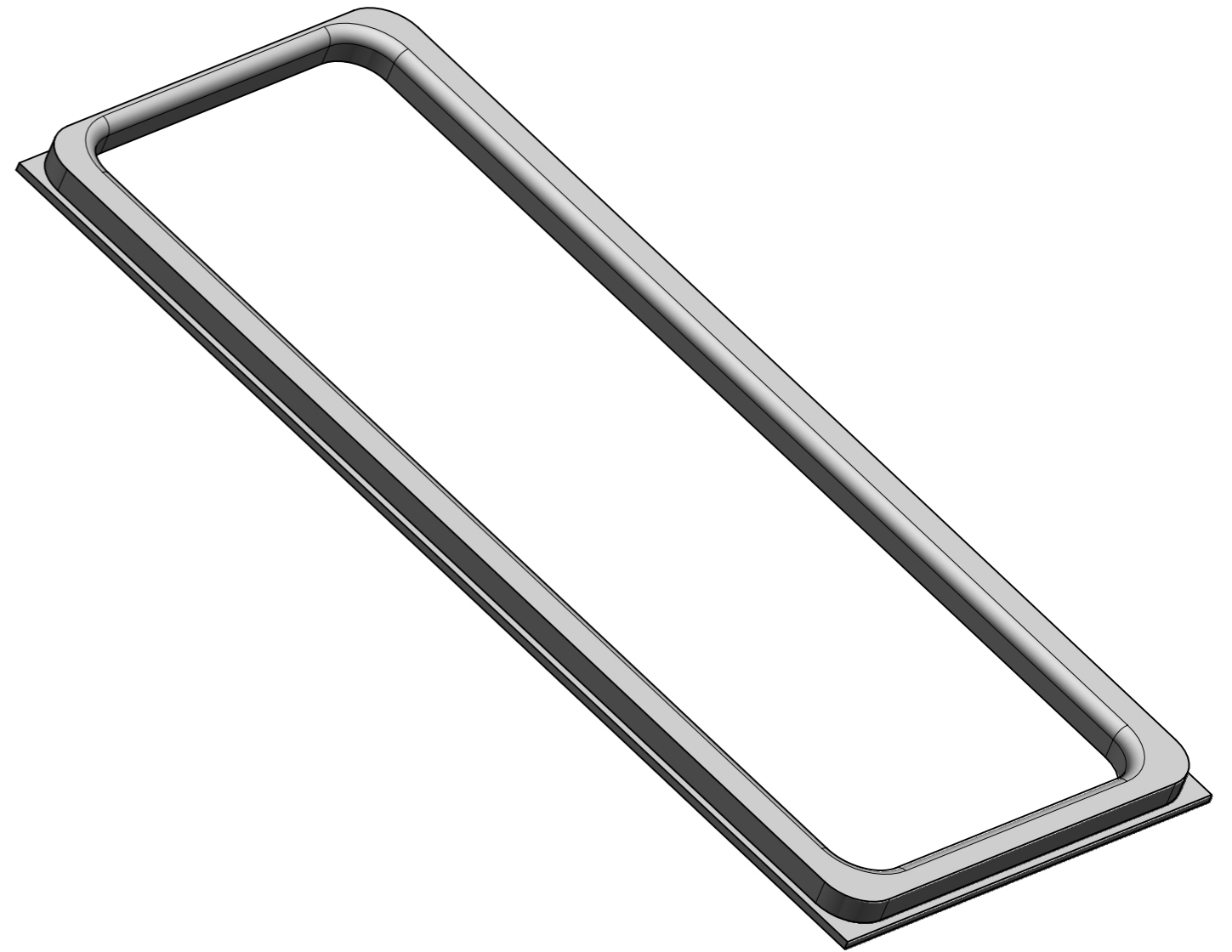
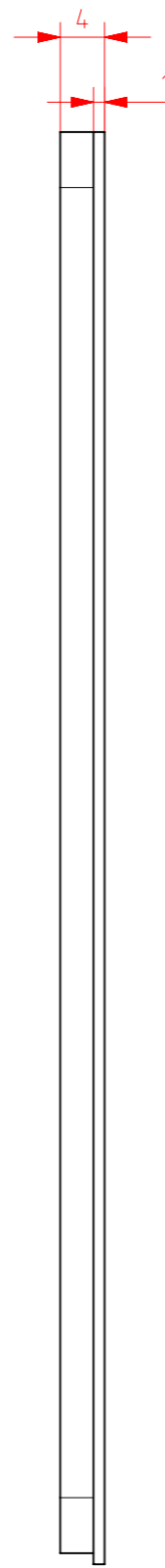
Shape- and dest.fol. acc. NEN-ISO 1101	Dim. tol. acc. NEN-ISO 406	General Tolerances NEN-ISO 2768-1m / 2768-2K	Roughness acc. NPR 3634	mm	Scale 1:1
△		Date: 2011	Name: M.Lindemulder	Project: EXL Proto	A3
△		Drawn		Group: GSI NUSTAR	
△		Checked		Name: Tube	Sheet 1/1
△				Drawing number: 3,0911,2000-02_dwg	
△		Revision	Date	Zernikelaan 25 9747AA Groningen +31 (0)50 363 3549 / www.kvi.nl	

NEN ISO 2768-2K	Nominal dims. mm	Straightness	—	f/m10	10-30	30-100	100-300	300-1000	1000-3000	Squareness	⊥	f/m100	100-300	300-1000	1000-3000	Symmetry	≡	f/m100	100-300	300-1000	1000-3000	Circular Stroke	↻	0,2
Geometrical tolerances	Tolerance mm	& Flatness	□	0,05	0,1	0,2	0,4	0,6	0,8	⊥	0,4	0,6	0,8	1	≡	0,6	0,8	1	↻	0,2				

Linear dimensions	0-10	10-50	50-120	120-400	400-
Nominal dims	± 1°	± 0°30'	± 0°20'	± 0°10'	± 0°5'
Tolerance	± 1°	± 0°30'	± 0°20'	± 0°10'	± 0°5'
Broken edges	0,5-3	3-6	6-	[mm]	[mm]
Corners	0,5-3	3-6	6-	± 0,2	± 0,5
mm	± 0,2	± 0,5	± 1	[mm]	[mm]
2000-4000	± 2	1000-2000	± 1,2	400-1000	± 0,8
120-400	± 0,5	40-100	± 0,3	30-120	± 0,2
6-30	± 0,1	3-6	± 0,1	6-30	± 0,1




SECTION A-A



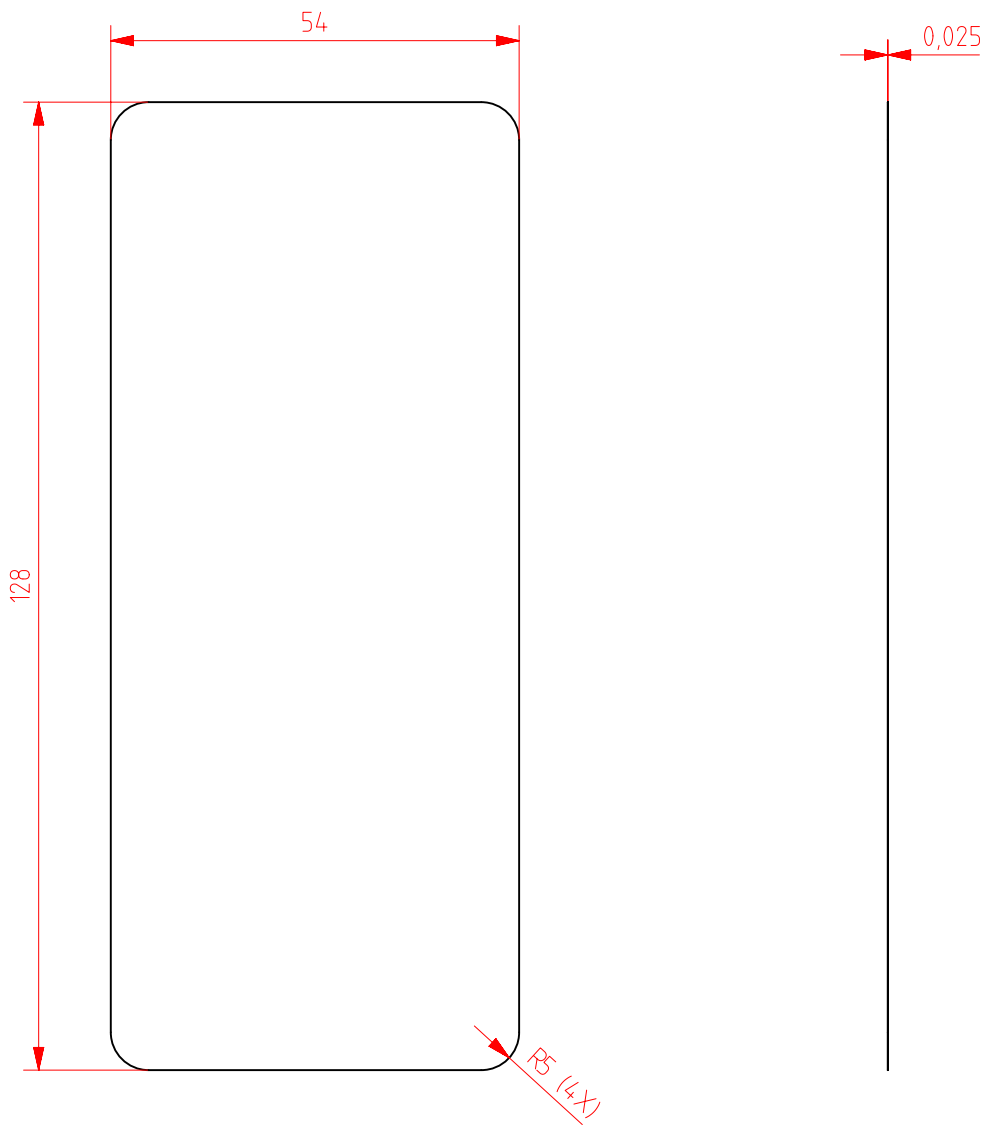
Ra 1,6

Projectcode: 623001
 Werkorder: G1003
 Dimensions: 129x56x4
 Material: AISI.316L(14.404)
 Mass [kg]: kg

Shape- and dest.fol. acc. NEN-ISO 1101	Dim. tol. acc. NEN-ISO 406	General Tolerances NEN-ISO 2768-1m / 2768-2K		Roughness acc. NPR 3634	mm	Scale 1,5:1
△		Date:	Name:	Project: EXL Proto		A3
△		Drawn:	M.Lindemulder	Group: GSI NUSTAR		
△		Checked:	-	Name:		Sheet 1/1
△		 Kernfysisch Versneller Instituut Zernikelaan 25 9747AA Groningen +31 (0)50 363 3549 / www.kvi.nl		Weldwindow Drawing number:		
△				Revision	Date	3,0911,2000-03_dwg

NEN ISO 2768-2K	Nominal dims. mm	Straightness & Flatness	—	f/m10	10-30	30-100	100-300	300-1000	1000-3000	Squareness	⊥	f/m10	100-300	300-1000	1000-3000	Symmetry	≡	f/m100	100-300	300-1000	1000-3000	Circular Stroke	↗	0,2
Geometrical tolerances	Tolerance mm		□	0,05	0,1	0,2	0,4	0,6	0,8			0,4	0,6	0,8	1			0,6	0,8	1				

Linear dimensions	0-10	10-50	50-120	120-400	400-
Nominal dims	± 1°	± 0°30'	± 0°20'	± 0°10'	± 0°5'
Tolerance					
Broken edges	0,5-3	3-6	6-	[mm]	[mm]
	± 0,2	± 0,5	± 1		
Corners					

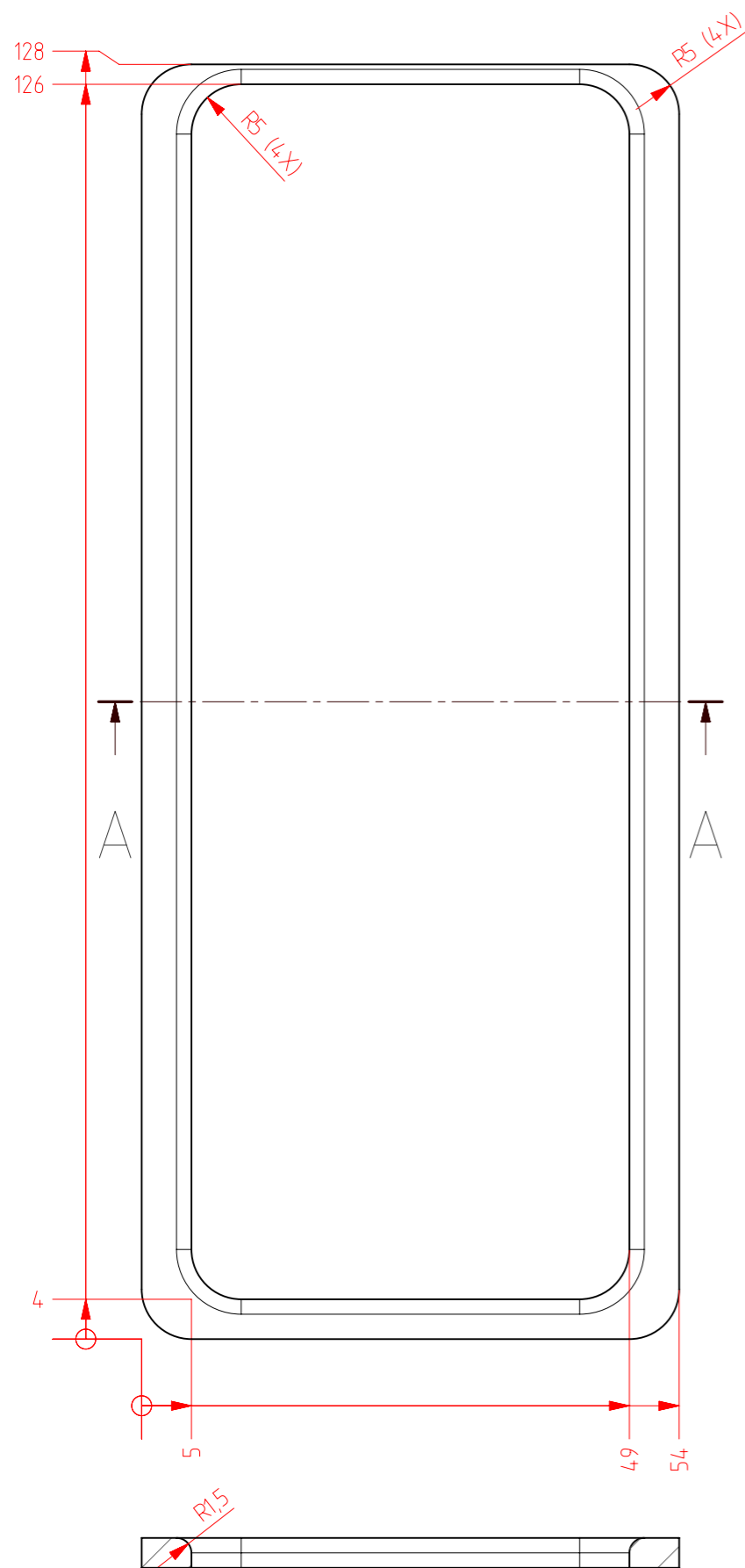


NEN ISO 2768-2K Geometrical tolerances	Nominal dims. mm	0,05	0,1	0,2	0,4	0,6	0,8	1	1,2	1,6	2	2,5	3,2	4	5	6,3	8	10	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000
	Tolerance mm	±0,05	±0,1	±0,2	±0,4	±0,6	±0,8	±1	±1,2	±1,6	±2	±2,5	±3,2	±4	±5	±6,3	±8	±10	±12,5	±16	±20	±25	±32	±40	±50	±63	±80	±100	±125	±160	±200	±250	±315	±400	±500	±630	±800	±1000
Straightness & Flatness	mm	0,05	0,1	0,2	0,4	0,6	0,8	1	1,2	1,6	2	2,5	3,2	4	5	6,3	8	10	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000
	mm	±0,05	±0,1	±0,2	±0,4	±0,6	±0,8	±1	±1,2	±1,6	±2	±2,5	±3,2	±4	±5	±6,3	±8	±10	±12,5	±16	±20	±25	±32	±40	±50	±63	±80	±100	±125	±160	±200	±250	±315	±400	±500	±630	±800	±1000
Circular Stroke	mm	0,05	0,1	0,2	0,4	0,6	0,8	1	1,2	1,6	2	2,5	3,2	4	5	6,3	8	10	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000
	mm	±0,05	±0,1	±0,2	±0,4	±0,6	±0,8	±1	±1,2	±1,6	±2	±2,5	±3,2	±4	±5	±6,3	±8	±10	±12,5	±16	±20	±25	±32	±40	±50	±63	±80	±100	±125	±160	±200	±250	±315	±400	±500	±630	±800	±1000
Symmetry	mm	0,05	0,1	0,2	0,4	0,6	0,8	1	1,2	1,6	2	2,5	3,2	4	5	6,3	8	10	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000
	mm	±0,05	±0,1	±0,2	±0,4	±0,6	±0,8	±1	±1,2	±1,6	±2	±2,5	±3,2	±4	±5	±6,3	±8	±10	±12,5	±16	±20	±25	±32	±40	±50	±63	±80	±100	±125	±160	±200	±250	±315	±400	±500	±630	±800	±1000
Squareness	mm	0,05	0,1	0,2	0,4	0,6	0,8	1	1,2	1,6	2	2,5	3,2	4	5	6,3	8	10	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000
	mm	±0,05	±0,1	±0,2	±0,4	±0,6	±0,8	±1	±1,2	±1,6	±2	±2,5	±3,2	±4	±5	±6,3	±8	±10	±12,5	±16	±20	±25	±32	±40	±50	±63	±80	±100	±125	±160	±200	±250	±315	±400	±500	±630	±800	±1000
Circular Stroke	mm	0,05	0,1	0,2	0,4	0,6	0,8	1	1,2	1,6	2	2,5	3,2	4	5	6,3	8	10	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000
	mm	±0,05	±0,1	±0,2	±0,4	±0,6	±0,8	±1	±1,2	±1,6	±2	±2,5	±3,2	±4	±5	±6,3	±8	±10	±12,5	±16	±20	±25	±32	±40	±50	±63	±80	±100	±125	±160	±200	±250	±315	±400	±500	±630	±800	±1000

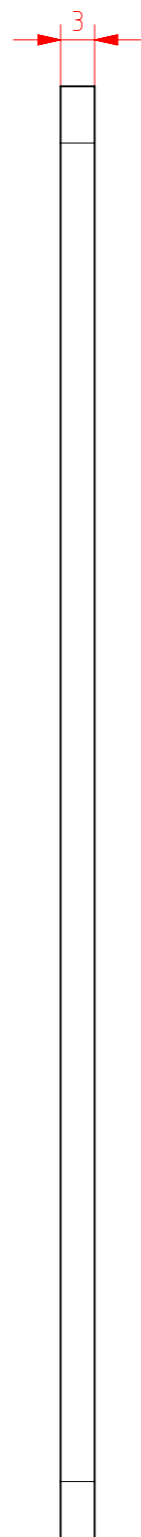
Projectcode: 623001
 Werkorder: G1003
 Dimensions: 128x54
 Material: SS 1.4310
 Mass [kg]: 0

Shape- and dest.tol. acc. NEN-ISO 1101	Dim. tol. acc. NEN-ISO 406	General Tolerances NEN-ISO 2768-1m / 2768-2K		Roughness acc. NPR 3634	mm		Scale 1,5:1
		Date:	Name:	Project: EXL Proto			
	Drawn	2011	M.Lindemulder	Group: GSI NUSTAR			
	Checked	-	-	Name: Foil			
	 Kernfysisch Versneller Instituut Zernikelaan 25 9747AA Groningen +31 (0)50 363 3549 / www.kvi.nl			Drawing number:			
Revision				Date	3,0911,2000-04_dwg		
							Sheet 1/1

NEN-ISO 2768-1m Linear dimensions	Nominal dims. mm	0,05	0,1	0,2	0,4	0,6	0,8	1	1,2	1,6	2	2,5	3,2	4	5	6,3	8	10	12,5	16	20	25	32	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	
Tolerance mm	mm	±0,05	±0,1	±0,2	±0,4	±0,6	±0,8	±1	±1,2	±1,6	±2	±2,5	±3,2	±4	±5	±6,3	±8	±10	±12,5	±16	±20	±25	±32	±40	±50	±63	±80	±100	±125	±160	±200	±250	±315	±400	±500	±630	±800	±1000	
Conners	mm	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1
l-min. tolerance	mm	±0,2	±0,4	±0,6	±1	±1,2	±1,6	±2	±2,5	±3,2	±4	±5	±6,3	±8	±10	±12,5	±16	±20	±25	±32	±40	±50	±63	±80	±100	±125	±160	±200	±250	±315	±400	±500	±630	±800	±1000				
Broken edges	mm	±0,2	±0,4	±0,6	±1	±1,2	±1,6	±2	±2,5	±3,2	±4	±5	±6,3	±8	±10	±12,5	±16	±20	±25	±32	±40	±50	±63	±80	±100	±125	±160	±200	±250	±315	±400	±500	±630	±800	±1000				



SECTION A-A



Ra 1,6

Projectcode: 623001
 Werkorder: G1003
 Dimensions: LxBxH
 Material: AISI.316L(14.404)
 Mass [kg]: 0,04

Shape- and dest.fol. acc. NEN-ISO 1101	Dim. tol. acc. NEN-ISO 406	General Tolerances NEN-ISO 2768-1m / 2768-2K		Roughness acc. NPR 3634	mm	Scale 1,5:1
△		Date:	Name:	Project: EXL Proto		
△		Drawn:	2011	M.Lindemulder	Group: GSI NUSTAR	
△		Checked:	-	-	Name: Window	
△		 Kernfysisch Versneller Instituut Zernikelaan 25 9747AA Groningen +31 (0)50 363 3549 / www.kvi.nl			Drawing number: 3,0911,2000-05_dwg	
△					Revision	Date

NEN ISO 2768-2K	Nominal dims. mm	Straightness	—	f/m10	10-30	30-100	100-300	300-1000	1000-3000	Squareness	⊥	f/m100	100-300	300-1000	1000-3000	Symmetry	≡	f/m100	100-300	300-1000	1000-3000	Circular Stroke	↗	0,2
Geometrical tolerances	Tolerance mm	& Flatness	□	0,05	0,1	0,2	0,4	0,6	0,8	⊥	0,4	0,6	0,8	1	≡	0,6	0,8	1	↗	0,2				

Linear dimensions	0-1	±0,1	3-6	±0,1	6-30	±0,2	30-120	±0,3	120-400	±0,5	400-1000	±0,8	1000-2000	±1,2	2000-4000	±2	Broken edges	0,5-3	±0,2	3-6	±0,5	6-	±1	mm	Corners	0-10	±1°	10-50	±0°30'	50-120	±0°20'	120-400	±0°10'	400-	±0°5'
Nominal dims																																			
Tolerance																																			

