



Corresponding symbols										▽	▼	▽▽	▼▼	▽▽▼	▼▼▼				
Roughness (Classes ( NBN 88-02 ) ( ISO 1302 )									N11	N10	N9	N8	N7	N6	N5	N4			
Roughness Value "Ra" in µm ( NBN 88-02 ) ( ISO 1302 )									25	12,5	6,3	3,2	1,6	0,8	0,4	0,2			
Allowable deviations for dimensions without tolerance indication (machined surfaces)																			
For measurements ( deviations in mm )									Filletes and chamfers					Angles ( in ° and ' )					
Accuracyclass (ISO 2768:1)	Dimensions in mm								Dimensions in mm					Length of the shortest le					
	0,5	>3	>6	>30	>120	>400	>1000	>2000	0,5	>3	>6	>30	>120	0,5	>10	>50	>120	>400	abc
	3	6	30	120	400	1000	2000	4000	3	6	30	120	400	10	50	120	400		
f Fine	±0,05	±0,05	±0,1	±0,15	±0,2	±0,3	±0,5	±0,8	±0,2	±0,5	±1	±2	±4	±1°	±30'	±20'	±10'	±1°	
m Medium	±0,1	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2	±2											
c Rough	±0,2	±0,3	±0,5	±0,8	±1,2	±2	±3	±4						±1°30'	±1°	±30'	±15'	±1°	
v Very Rough	-	±0,5	±1	±1,5	±2,5	±4	±6	±8	±0,4	±1	±2	±4	±8		±3°	±2°	±1°	±30'	±2°

Break Sharp Edges: 0,1 mm

X						
Revision	Date	Description				
Engineered by:			Name:	Date:	Scale: 1:1	
		Designer:	Galba, J.	13/02/2010	SheetSize: A2	
		Approved:	Galba, J.	13/02/2010		
Project:					Material: Stainless Steel	
Miniature Steam Engine					Total Mass: 0.619 kg	

Title:	Vertical Twin Steam Engine with Reverse Gear Crankshaft
--------	---

 Inventor Wizard	Drawingnumber:	Sheet: <b>0001</b>
	Design State: <b>Released</b>	Drawing made with autodesk Inventor Revisions only permitted by CAD

This document is for educational purposes only and property of Inventor Wizard. It shall not without our permission be altered, copied, used for manufacturing or communicated to any other person or company.