


Break Sharp Edges: 0,1 mm

Revision	Date	Description				
Engineered by: C. Woodson			Name:	Date:	Scale: 2:1	
		Designer:	Galba, J.	18/12/2010	SheetSize: A3	
		Approved:	Galba, J.	18/12/2010		
Project: P0003 Miniature Steam Engine					Material: Bronze, Soft Tin	
					Total Mass: 0,014 kg	

Title:
Vertical Steam Engine with Reverse Gear (anno 1830)
Lower Cylinder Ream
000.006

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)									Fillet and chamfers					Angles (in ° and ')				
Accuracyclass (ISO 2768.1)	Dimensions in mm								Dimensions in mm					Length of the shortest leg				
	0,5 to 3	>3 to 6	>6 to 30	>30 to 120	>120 to 400	>400 to 1000	>1000 to 2000	>2000 to 4000	0,5 to 3	>3 to 6	>6 to 30	>30 to 120	>120 to 400	to 10	>10 to 50	>50 to 120	>120 to 400	above 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'	±5'
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	±0,4	±1	±2	±4	±8	±1°30'	±1°	±30'	±15'	±10'
v Very Rough	-	±0,5	±1	±1,5	±2,5	±4	±6	±8										

	Drawingnumber: P0003 - 000.006	Sheet: 0001
	Design State: Released	Drawing made with autodesk Inventor Revisions only permitted by CAD

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