



Break Sharp Edges: 0,1 mm

Revision	Date	Description
Engineered by: C. Woodson		Name: Galba, J.
		Date: 18/12/2010
		Scale: 2 : 1
		SheetSize: A3
Project: P0003		Material: Cast Iron
Miniature Steam Engine		Total Mass: 0,106 kg

Title:
Vertical Steam Engine with Reverse Gear (anno 1830)
Steam Chest
000.010

Corresponding symbols		▽	▼	▽▽	▼▼	▽▽▽	▼▼▼
Roughness Classes (NBN 88-02) (ISO 1302)		N11	N10	N9	N8	N7	N6
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)								
Accuracyclass (ISO 2768.1)	For measurements (deviations in mm)							
	Dimensions in mm							
f Fine	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
	±0,05	±0,05	±0,1	±0,15	±0,2	±0,3	±0,5	±0,8
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
v Very Rough	-	±0,5	±1	±1,5	±2,5	±4	±6	±8

Accuracyclass (ISO 2768.1)	Filletts and chamfers					Angles (in ° and ')				
	Dimensions in mm					Length of the shortest leg				
f Fine	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
	±0,2	±0,5	±1	±2	±4	±1°	±30'	±20'	±10'	±5'
m Medium	±0,4	±1	±2	±4	±8	±1°30'	±1°	±30'	±15'	±10'
c Rough	±0,4	±1	±2	±4	±8	±3°	±2°	±1°	±30'	±20'

	Drawingnumber: P0003 - 000.010	Sheet: 0001
	Design State: Released	Drawing made with autodesk Inventor Revisions only permitted by CAD

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