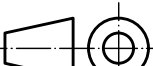



Break Sharp Edges: 0,1 mm

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					Material: Cast Steel	
Miniature Steam Engine					Total Mass: 0,087 kg	

Title:	
Vertical Steam Engine with Reverse Gear (anno 1830)	
Upper Cylinder Cover	
000.015	

 InventorWizard.nl	Drawingnumber: P0003 - 000.015	Sheet: 0001
	Design State: Released	Drawing made with autodesk Inventor Revisions only permitted by CAD

Corresponding symbols								
Roughness Classes ( NBN 88-02 ) ( ISO 1302 )								
Roughness Value "Ra" in µm ( NBN 88-02 ) ( ISO 1302 )								
	N11	N10	N9	N8	N7	N6	N5	N4
	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 )								
Accuracyclass (ISO 2768.1)	Dimensions in mm							
	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
f Fine	±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
Filletts and chamfers								
Dimensions in mm								
0,5 to 3	>3 to 6	>6 to 30	>30 to 120	>120 to 400	Length of the shortest leg			
±0,2	±0,5	±1	±2	±4	to 10	>10 to 50	>50 to 120	>120 to 400
±1°	±30'	±20'	±10'	±5'	±1°30'	±1°	±30'	±15'
±3°	±2°	±1°	±30'	±20'				

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