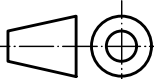



Break Sharp Edges: 0,1 mm

Revision	Date	Description					
Engineered by:			Name:	Date:	Scale: 5:1		
		Designer:	Galba, J.	1/12/2010	SheetSize: A3		
		Approved:	Galba, J.	1/12/2010			
Project: Miniature Model Steam Engine					Material: Copper Alloy		
					Total Mass: 0.002 kg		
Title: Horizontal Beam Engine with Centrifugal Pump Crankshaft Bolt							
 InventorWizard.be/.nl		Drawingnumber:				Sheet: 0001	
		Design State: Released				Drawing made with autodesk Inventor Revisions only permitted by CAD	

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											

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