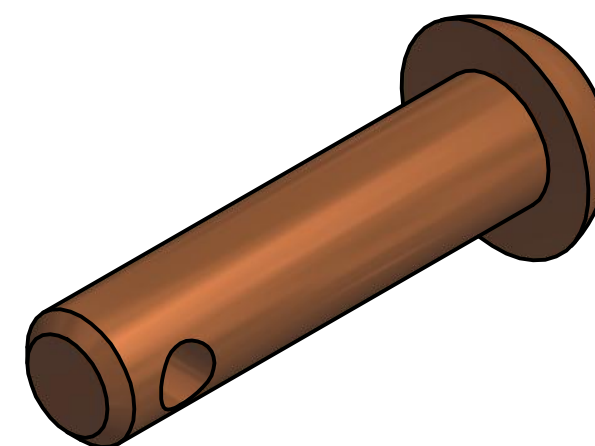
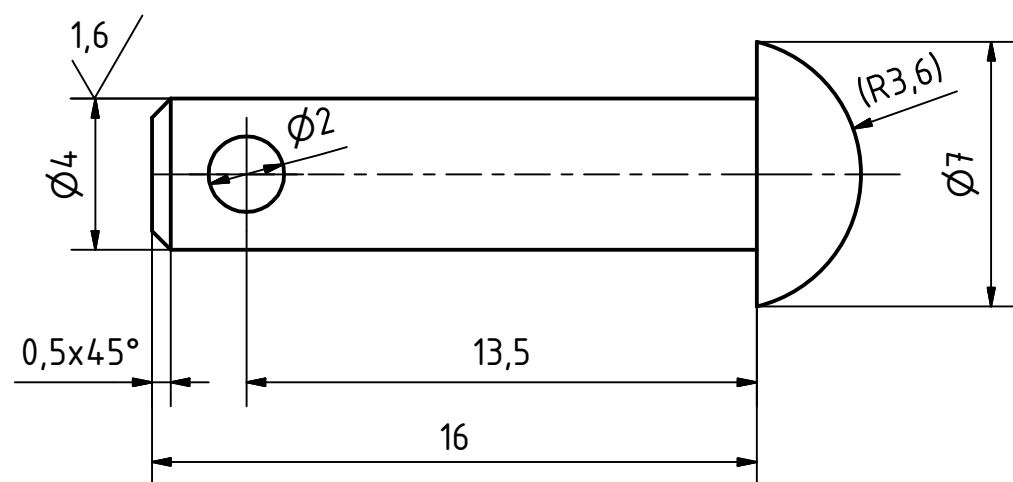


3,2 (✓)



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:							Material:	Copper Alloy
Miniature Model Steam Engine							Total Mass:	0.002 kg

Title:  
Horizontal Beam Engine with Centrifugal Pump  
Valve Linkage Bolt

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)																		
Accuracyclass (ISO 2768.1)	For measurements ( deviations in mm )								Filletes and chamfers			Angles ( in ° and ' )						
	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						±1°30'	±1°	±30°	±15°	±10°
v Very Rough	-	±0,5	±1	±1,5	±2,5	±4	±6	±8	±0,4	±1	±2	±4	±8	±3°	±2°	±1°	±30°	±20°

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

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