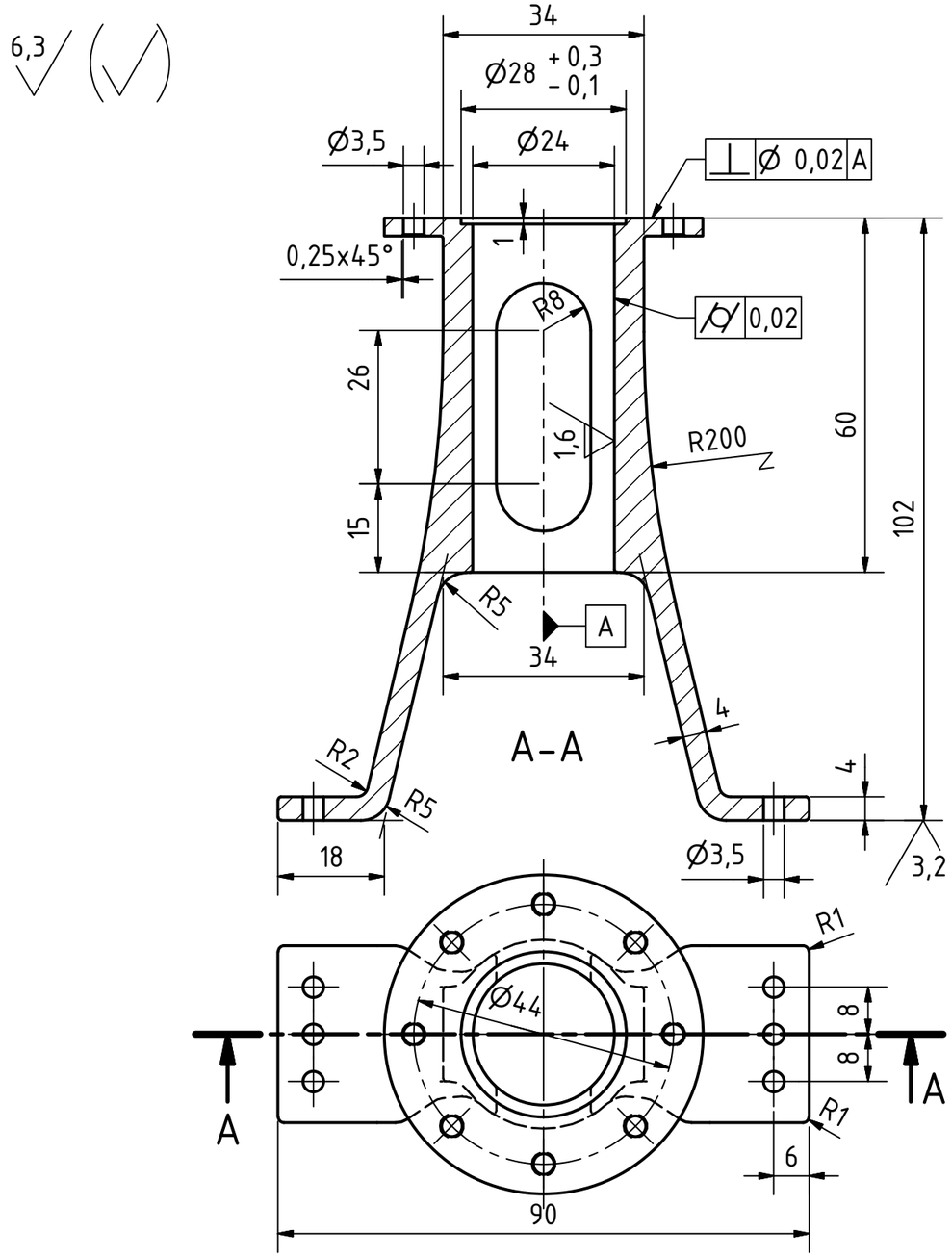

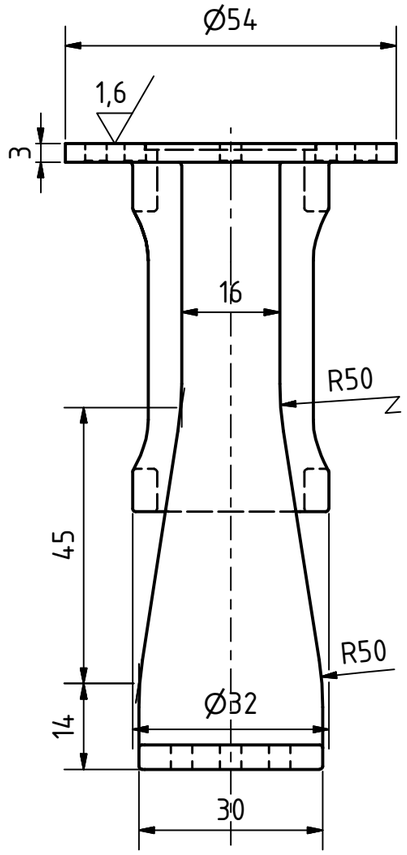

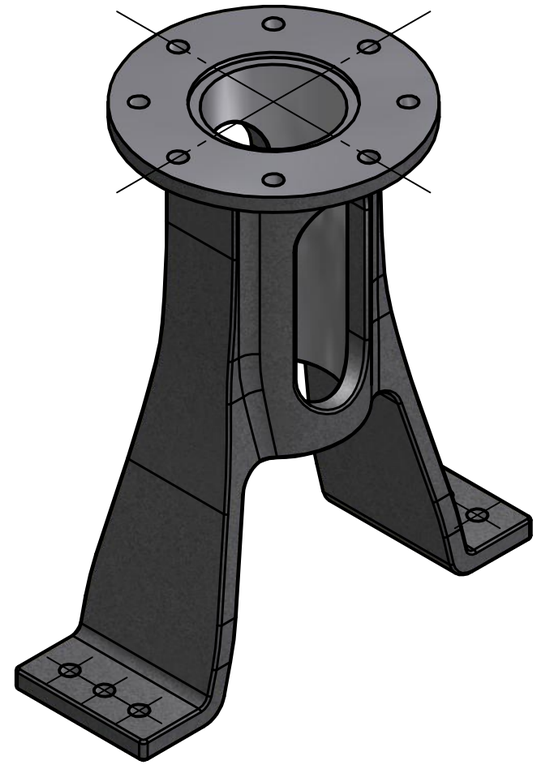

Break Sharp Edges: 0,1 mm

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)								Fillets 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						±3°	±2°	±1°	±30'	±20'

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It shall not without our permission be altered, copied, used for manufacturing or communicated to any other person or company.

Revision	Date	Description

Engineered by:		Name:	Date:	Scale: 1 : 1
C. Woodson	Designer:	Galba, J.	18/12/2010	
	Approved:	Galba, J.	18/12/2010	SheetSize: A3

Project: P0003

Miniature Steam Engine

Material: Cast Iron

Total Mass: 0,276 kg

Title:

Vertical Steam Engine with Reverse Gear (anno 1830) Standard

000.004

InventorWizard.be/nl

Drawingnumber: P0003 - 000.004

Sheet: 0001

Design State: Released

Drawing made with autodesk Inventor Revisions only permitted by CAD