



Polished

3,2

Ø36

A

3x45°

3x45°

24

27

A

A-A ( 2 : 1 )

Ø12

22

Ø12

Ø18

27

Break Sharp Edges: 0,1 mm

Revision Date Description

Engineered by:

Designer: Galba, J.

Name:

Date: 13/02/2010

Scale: 2:1

Approved: Galba, J.

Date: 13/02/2010

SheetSize: A3

Project:

Miniature Steam Engine

Material: Brass, Soft Yellow

Total Mass: 0,140 kg

Title:

Vertical Twin Steam Engine with Reverse Gear  
Cylinder Piping Collector Exit

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						±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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