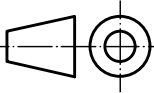



PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	3	Cylinder Piping Tube Glanse		Brass, Soft Yellow
2	1	Cylinder Piping Collector Glanse		Brass, Soft Yellow
3	2	Cylinder Piping Connector		Brass, Soft Yellow
4	1	Cylinder Piping Tube Entry		Copper
5	1	Cylinder Piping Collector Entry		Brass, Soft Yellow
6	2	Cylinder Piping Tube Glanse Packing		Copper
7	4	DIN 933 - M6 x 22	Hex-Head Bolt	Steel, Mild
8	4	DIN 128 - A6	Spring Washer	Steel, Mild
9	4	DIN 934 - M6	Hex Nut	Steel, Mild

Revision	Date	Description							
Engineered by:				Name:	Date:	Scale: 1:1			
			Designer:	Galba, J.	13/02/2010	SheetSize: A2			
			Approved:	Galba, J.	13/02/2010				
Project:						Material:			
Miniature Steam Engine						Total Mass: N/A			
Title:									
Vertical Twin Steam Engine with Reverse Gear Assembly Cylinder Piping Entry									
 InventorWizard <sub>be/nl</sub>			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 )									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	±0,2	±0,5	±1	±2	±4					
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'

This document is for educational purposes only and property of Inventor Wizard. It shall not be used without our permission be altered, copied, used for manufacturing or communicated to any other person or company.