



## MINI / MICRO ROK 2025

### IDENTIFICATION SHEET

This Identification Sheet reproduces descriptions, illustrations and dimensions of the **MINI AND MICRO ROK.**



#### ATTENTION

**ALL THE ENGINE PARTS MUST BE ORIGINAL BY VORTEX ROK.**

Neither engines nor accessories can be modified. By this we mean any shape, content or function changes which may differ from what originally produced (manufactured and assembled). Furthermore this includes any addition and /or removal of material.

All dimensions in the technical drawings are in mm.



## MINI / MICRO ROK 2025

### TECHNICAL INFORMATION AND CHARACTERISTICS

ORIGINAL BORE	41,96 mm
MAX ALLOWED BORE	42.10 mm
STROKE	43 +/- 0,1 mm
ORIGINAL DISPLACEMENT	60 cc
CONROD C-TO-C DISTANCE	90 +/- 0,1 mm
WEIGHT OF CONROD	94g +/- 2g
SPROCKET	Z10-Z11-Z12

### CYLINDER DEVELOPEMENT AND DISTRIBUTION

EXHAUST PORT	154° +/- 2° (US)
MAIN TRANSFER	116° ±1.5°
ADMISSION	143° ±1.5°

Check of the distribution as described in the **ROK CUP USA 2025 Technical Regulation.**

Measurement must be done with engine head dismantled (studs tightening torque: 1.8 kgm).

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## MINI / MICRO ROK 2025

<p>PICTURE ENGINE UPPER SIDE</p>	<p>PICTURE ENGINE LOWER SIDE</p>
	
<p>CYLINDER BASE</p>	<p>CYLINDERHEAD AND COMBUSTION CHAMBER</p>
	
<p>PICTURE OF THE CRANKCASE</p>	<p>INTERIOR PICTURE OF THE CRANKCASE</p>
	

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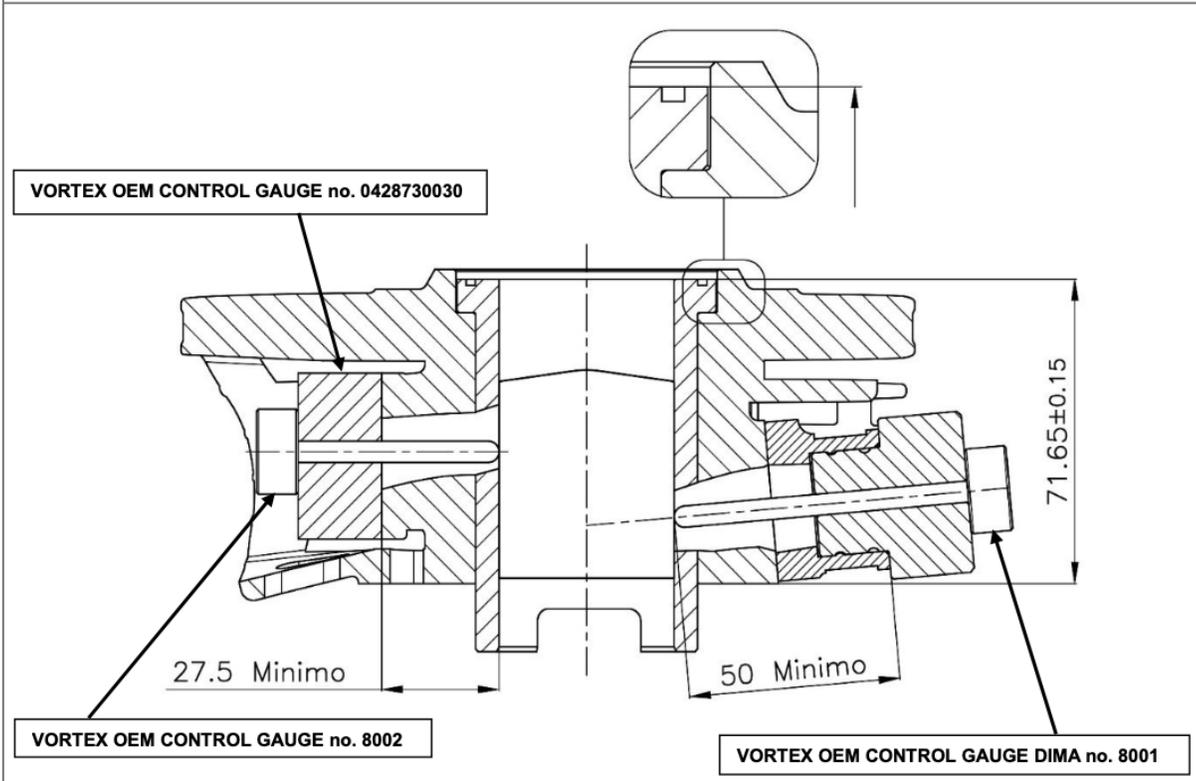
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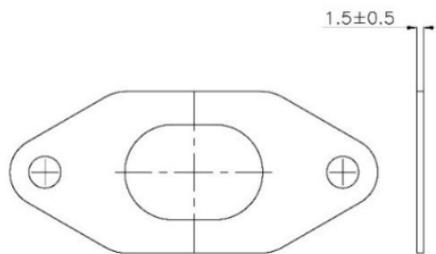
## MINI / MICRO ROK 2025

### CYLINDER SECTION

#### MINIMUM DISTANCE OF THE CARBURETTOR SUPPORTING PLATE FROM THE CYLINDER AXLE



### EXHAUST GASKET



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## MINI / MICRO ROK 2025

PISTON	
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p style="color: red; margin: 0;">MEDIDA MINIMA DE LA FALDA DEL PISTON AL FILO DE LA CABEZA DEL PISTON: 46.45 MM</p> </div>	
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p style="margin: 0;">- WEIGHT - 59 gr +/- 5 gr</p> </div>	
PISTON PIN	PISTON RING DETAIL PIECE
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p style="margin: 0;">- WEIGHT - 15 gr Min</p> </div>	

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### PICTURE AND MARKING OF THE PISTON

Mandatory to have the brand VORTEX cast piston as shown in the picture.

Mandatory to have the number of the mold cast as shown in the picture.

OPTION 1



OPTION 1



OPTION 2



OPTION 2



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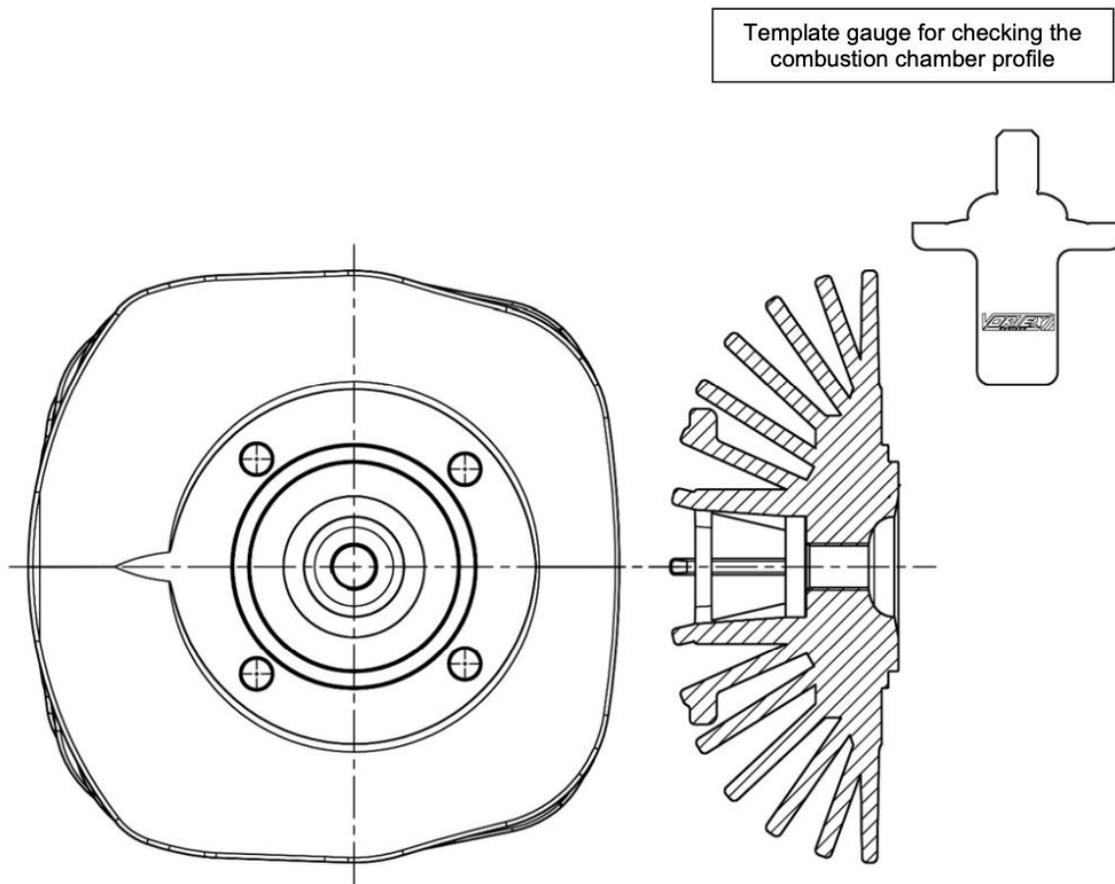


## MINI / MICRO ROK 2025

### DRAWING OF CYLINDERHEAD AND COMBUSTION CHAMBER

Volume of combustion chamber, as described in the **ROK CUP USA Technical Regulation 2025**.

**SQUISH THICKNESS – SQUISH - EPESSEUR DE SQUISH: 0.8 mm MIN**



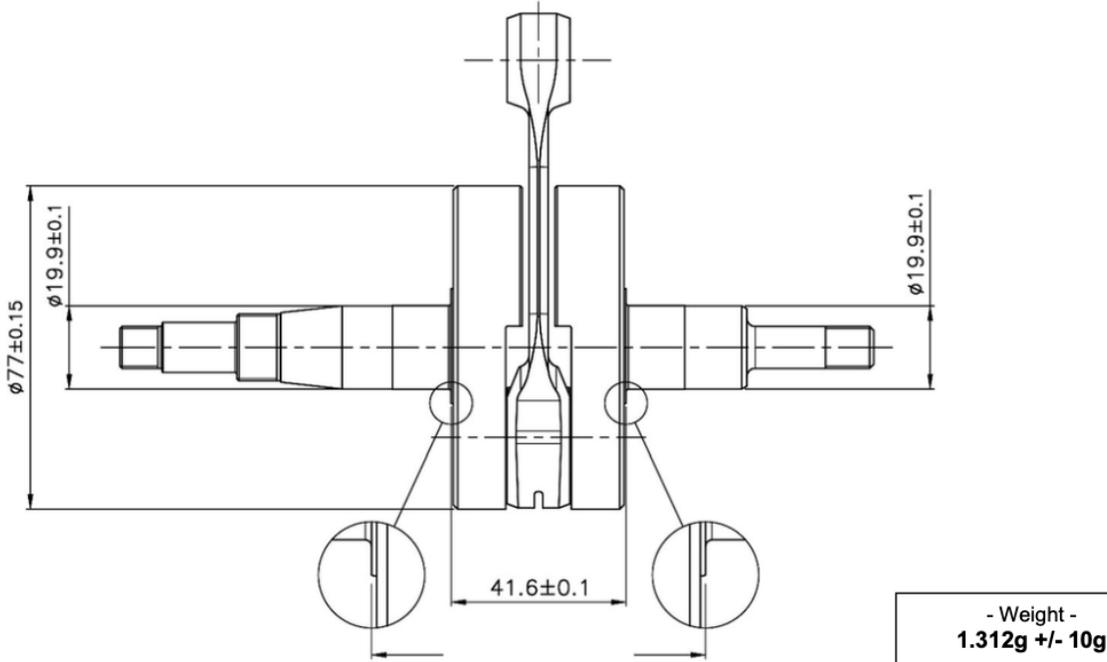
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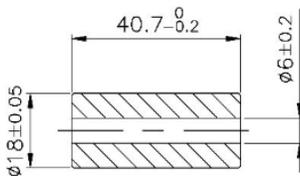
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## MINI / MICRO ROK 2025

### CRANKSHAFT AND CRANKPIN



### CRANK PIN



- Weight -  
71g +/- 1g

#### OPTION 1



#### OPTION 2



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### PICTURES AND MARKING OF CONROD



### PICTURE OF CRANKSHAFT WITH THE BALANCER



#### ATTENTION

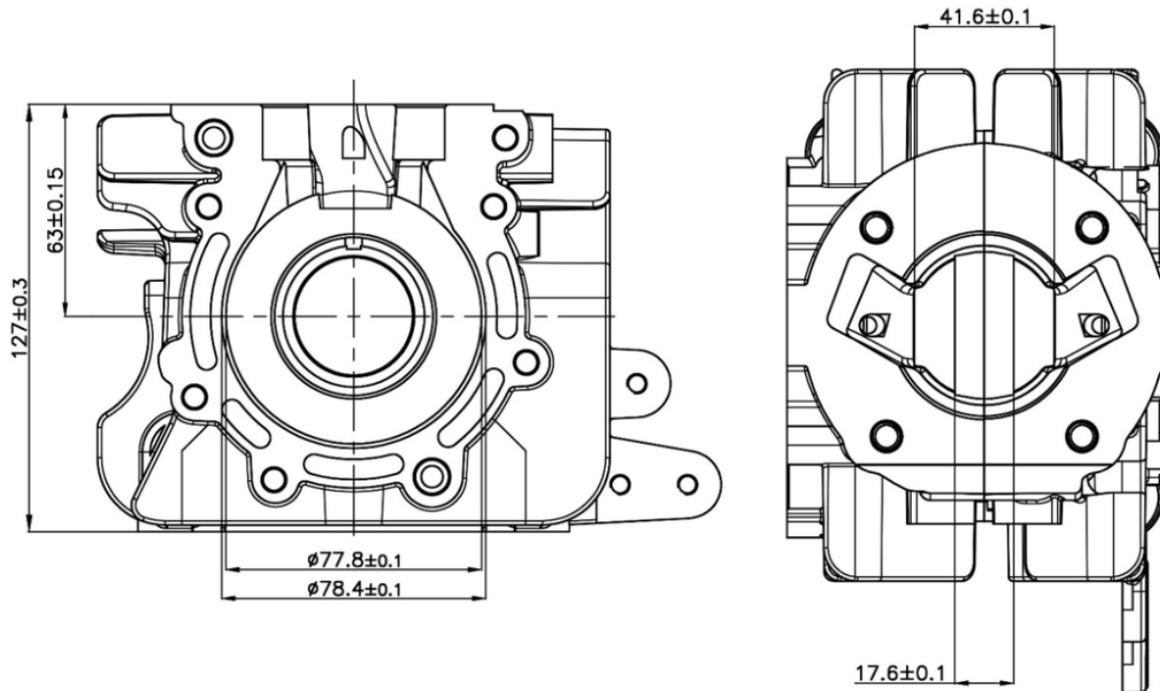
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## MINI / MICRO ROK 2025

### INTERIOR VIEW OF THE CRANKCASE AND ASEMBLY WIEV



### CRANKSHAFT BEARINGS

TYPE	DIMENSIONS	CHARACTERISTICS
Free brand 6204.C4	20x47x14mm	Steel Balls 8

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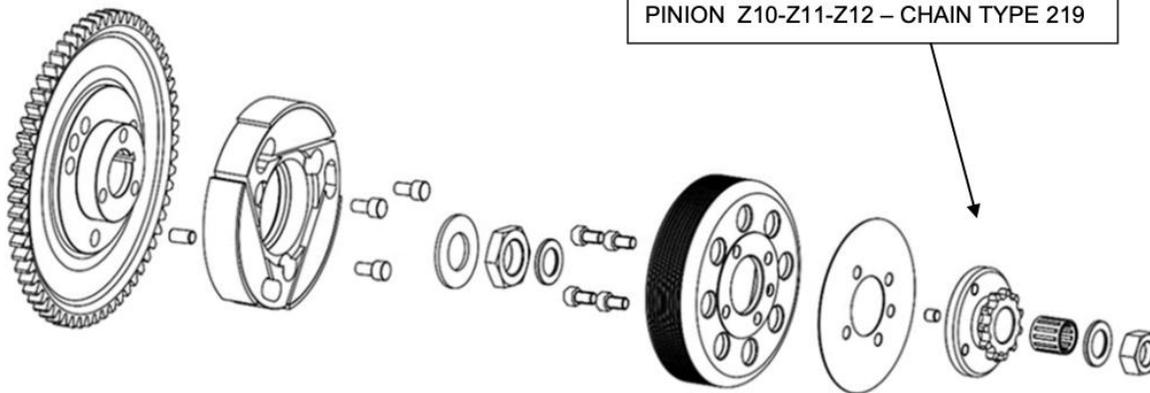
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## MINI / MICRO ROK 2025

### DETAIL PHOTO OF THE CRANKSHAFT OIL SEAL POSITION



### COMPL. CLUTCH ROTOR WITH STARTING GEAR



**PARTS QUANTITY: 20**

**WEIGHT OF THE COMPLETE CLUTCH WITH STARTING GEAR AND PROTECTION: *855 gr +/- 30gr***

**ENGAGEMENT SPEED (MAXIMUM) CAN BE VERIFIED IN EVERY MOMENT OF THE EVENT: 3500RPM**

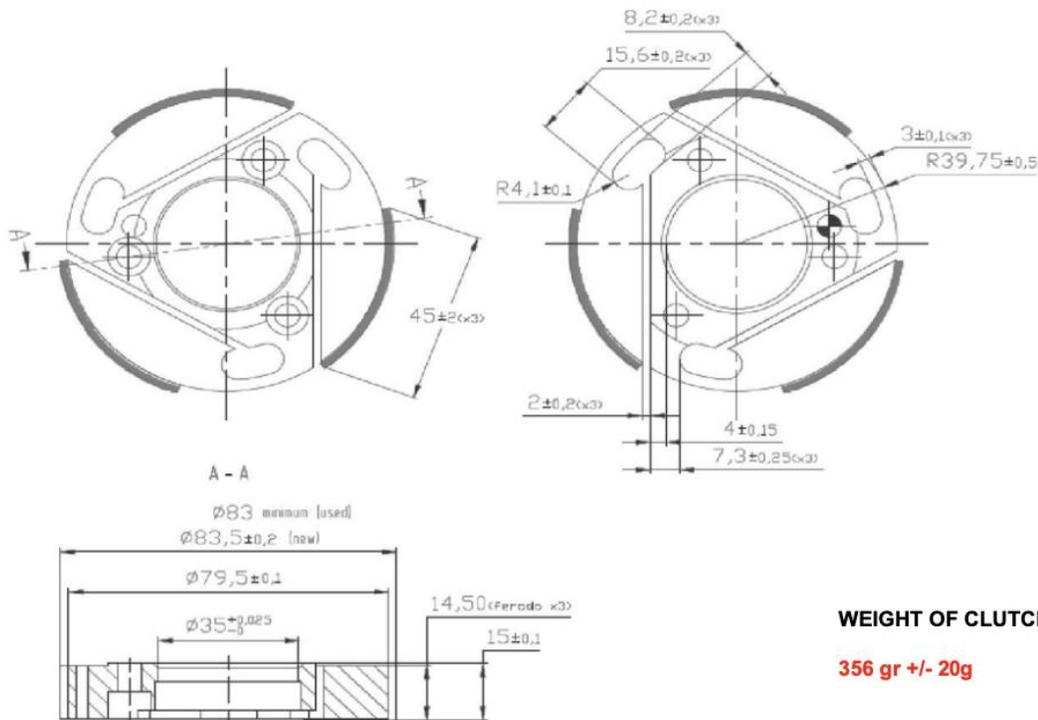
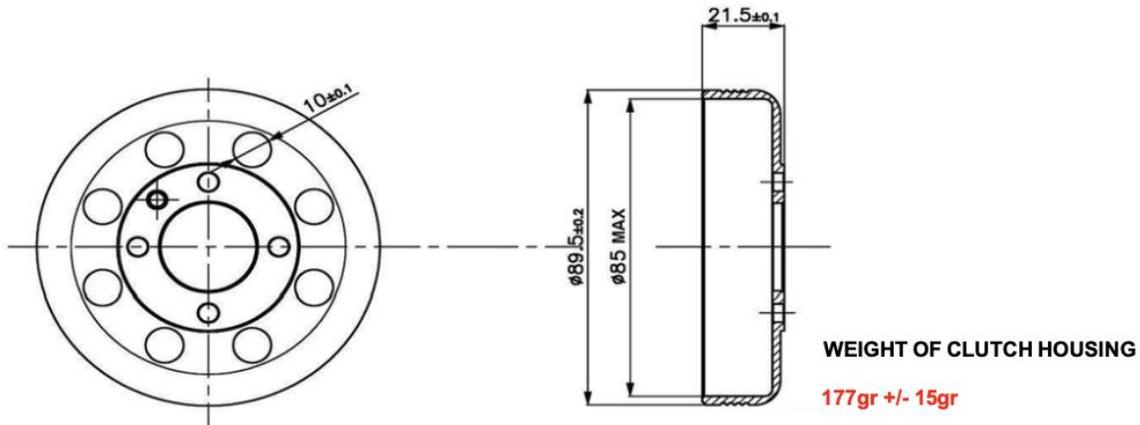
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### HOUSING AND ROTOR CLUTCH



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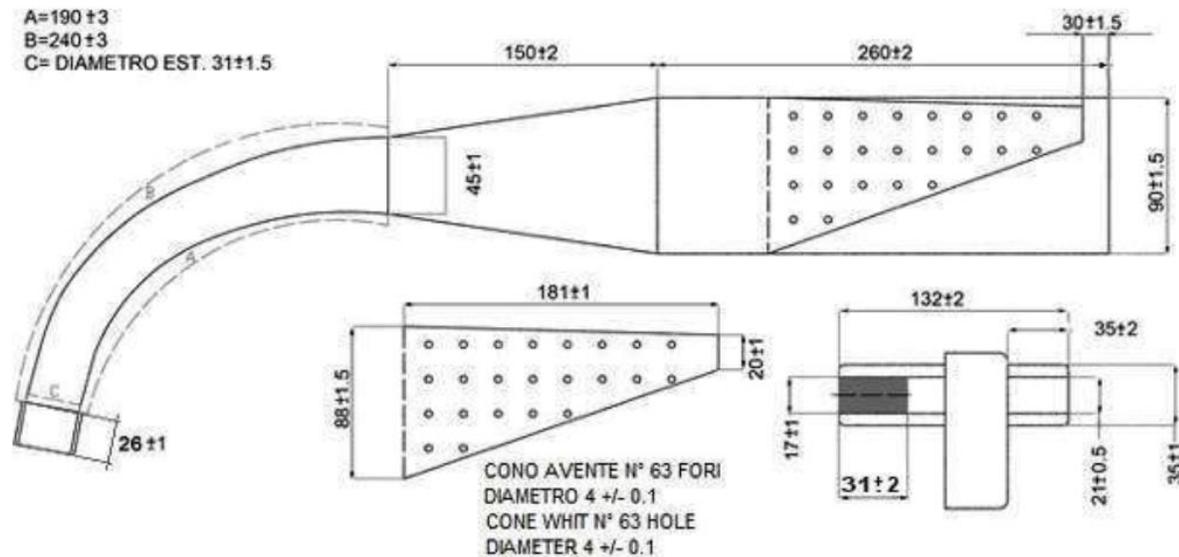
# MINI / MICRO ROK 2025

## EXHAUST MUFFLER

DIMENSION OF COLLECTOR INCLUDING WELDING.

EXHAUST WEIGHT 1,372gr +7% / -5%

A=190±3  
B=240±3  
C= DIAMETRO EST. 31±1.5



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### PHOTO AND MARKING OF THE EXHAUST



**DURING EXAMINATION, ON THE EXHAUST IT MUST BE INDICATED THE IDENTIFICATION LOGO ROK MINI.**

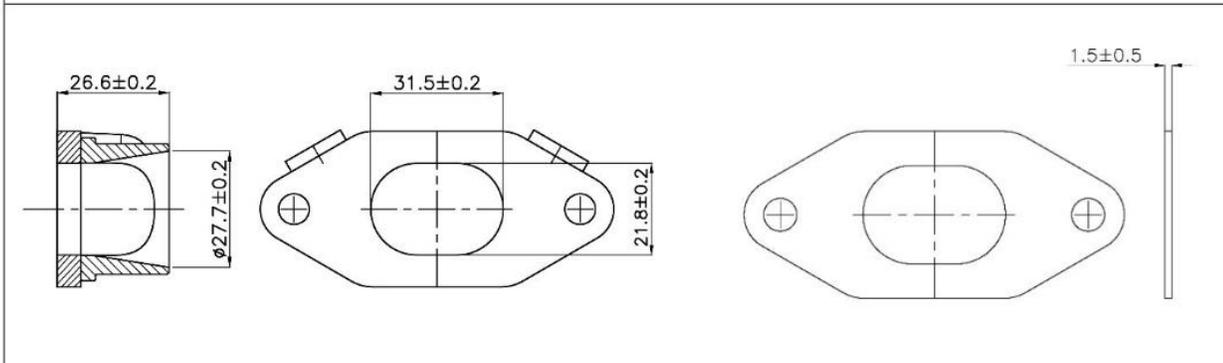
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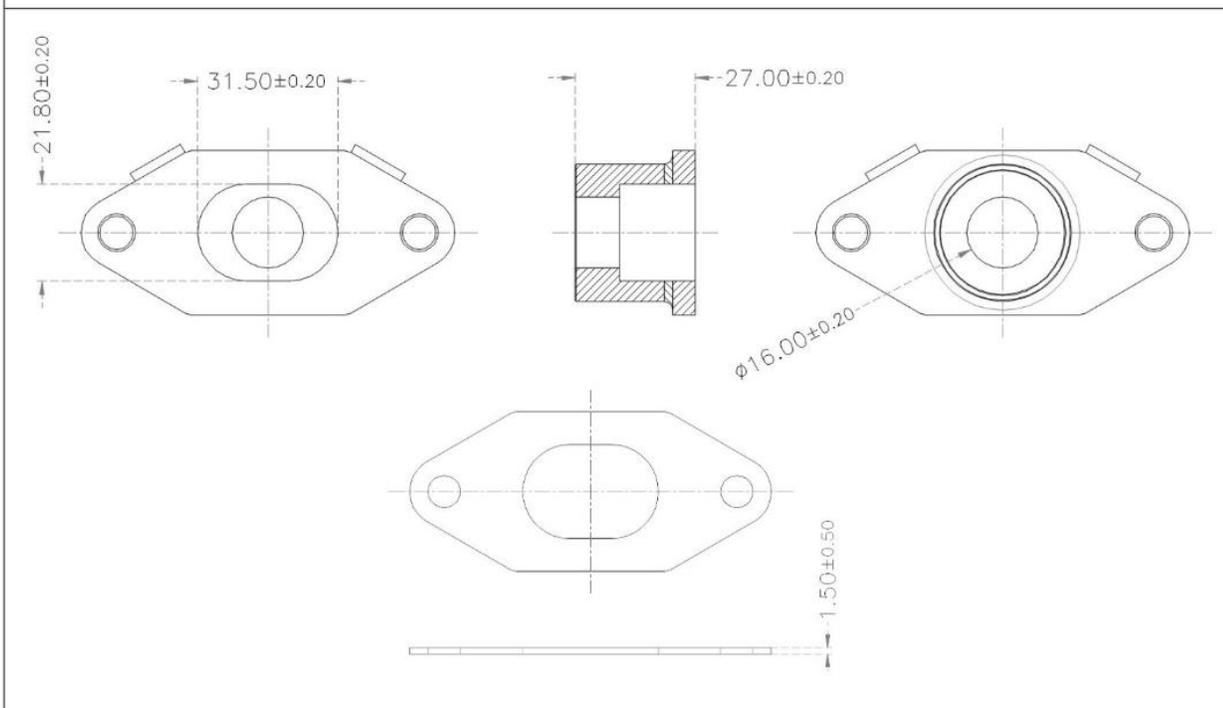
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### EXHAUST MANIFOLD



### EXHAUST MANIFOLD AND GASKET FOR MICRO CATEGORY



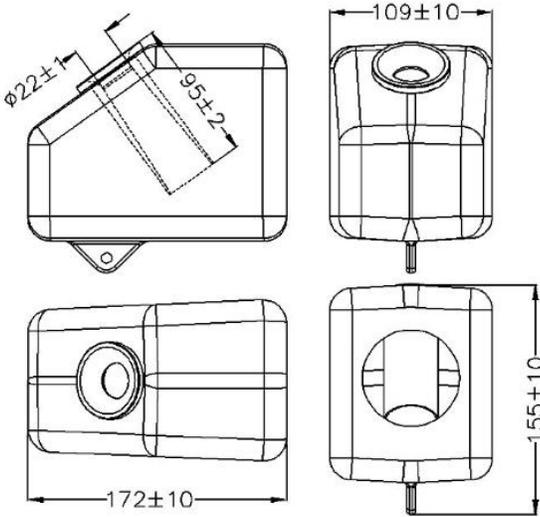
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INLET SILENCER	
MODEL, TYPE	MINI
 <p><b>MARKED VORTEX</b> <b>AIR FILTER MESH AS OPTIONAL</b></p>	
<p>OPTION 1</p> 	<p>OPTION 2</p> 

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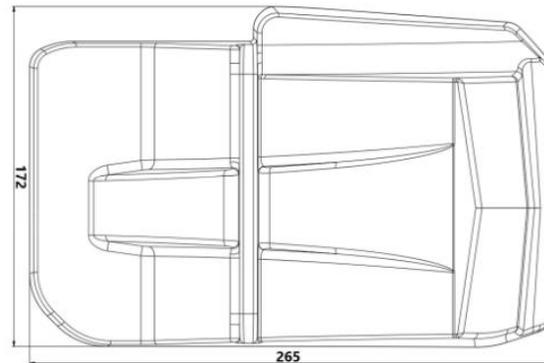
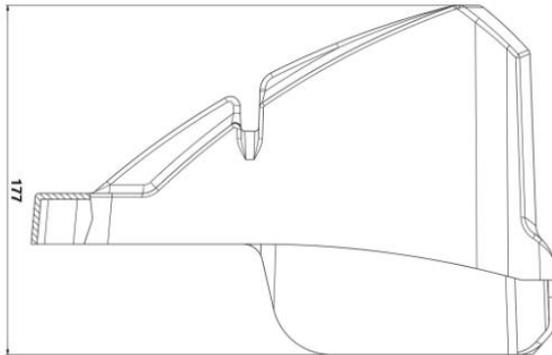
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### RAIN PROTECTION INLET SILENCER (OPTIONAL)



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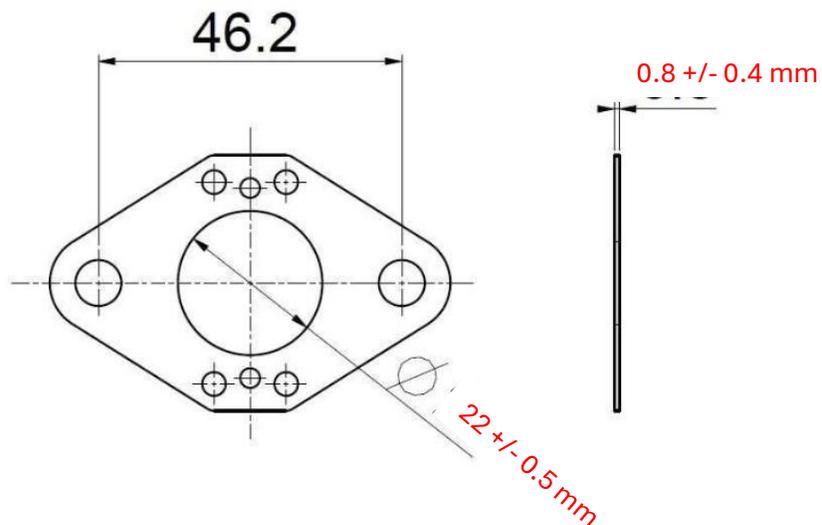


## MINI / MICRO ROK 2025

### CONNECTOR FIXING FILTER-CARBURETOR IN PLASTIC MATERIAL



### TECHNICAL DRAWING GASKET BETWEEN CARBURETTOR AND ENGINE



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### PICTURES OF SELETTRA IGNITION



### SPARK PLUG



**ONLY AUTHORIZED SPARK PLUG  
NGK B10 EG**

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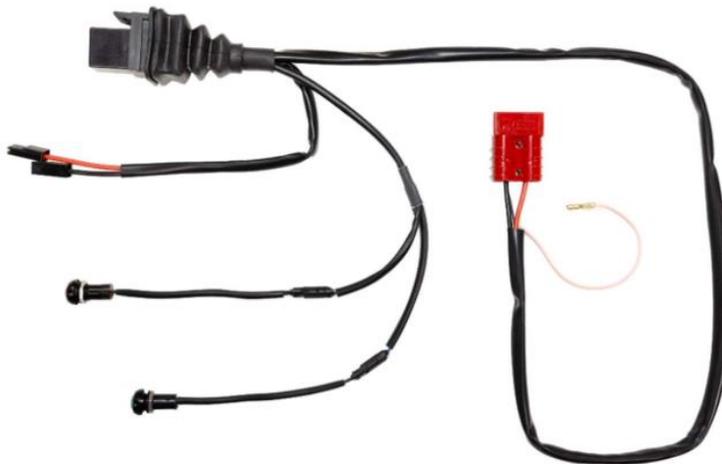
## MINI / MICRO ROK 2025

### STARTER WIRING

#### OPTION 1



#### OPTION 2



Engines shall be mandatory switched on and off by means of onboard starting system. Technical steward members shall check the on-off onboard system anytime.

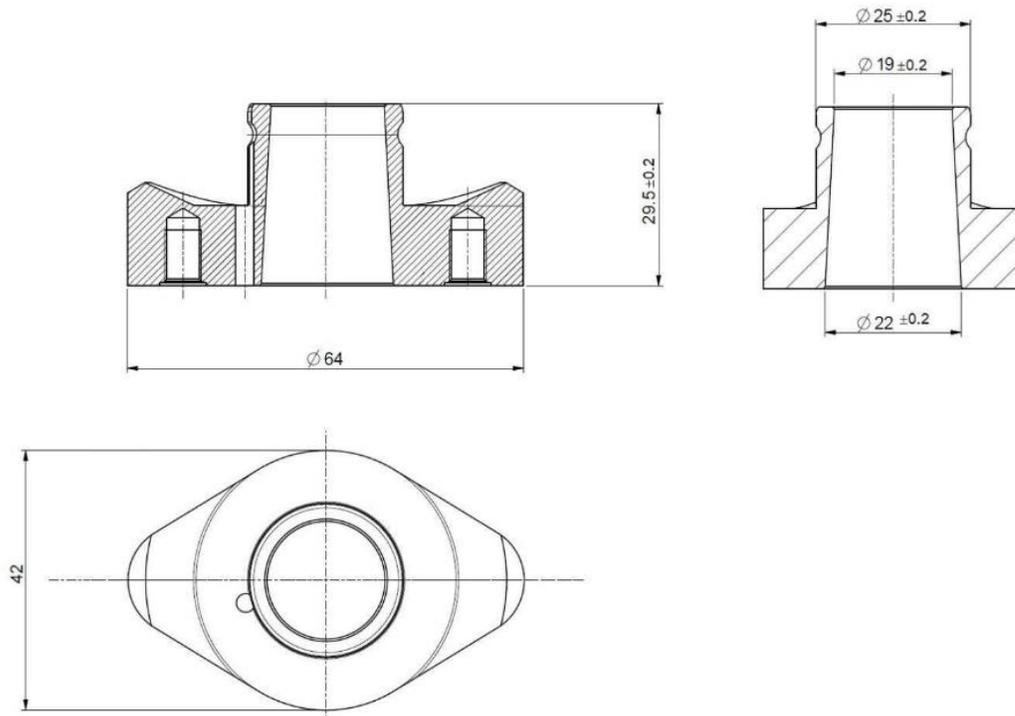
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### INTAKE MANIFOLD TECHNICAL DRAWING



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## MINI / MICRO ROK 2025

INTAKE MANIFOLD PHOTO



PHOTO OF INTAKE MANIFOLD RUBBER MOUNT



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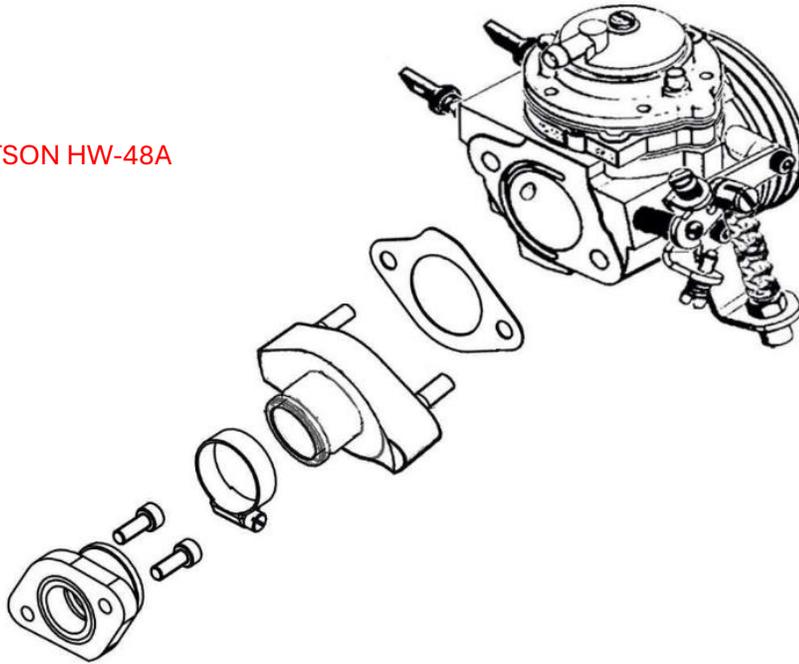
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### PHOTO OF THE ASSEMBLY OF THE INTAKE GROUP

TILLOTSON HW-48A



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