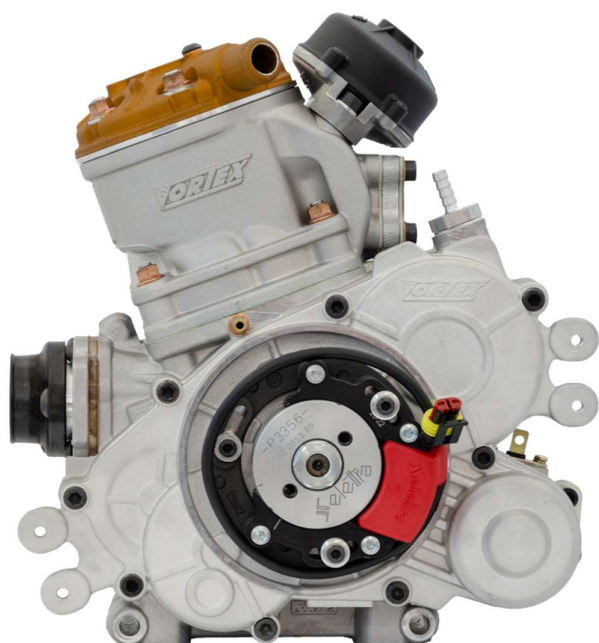
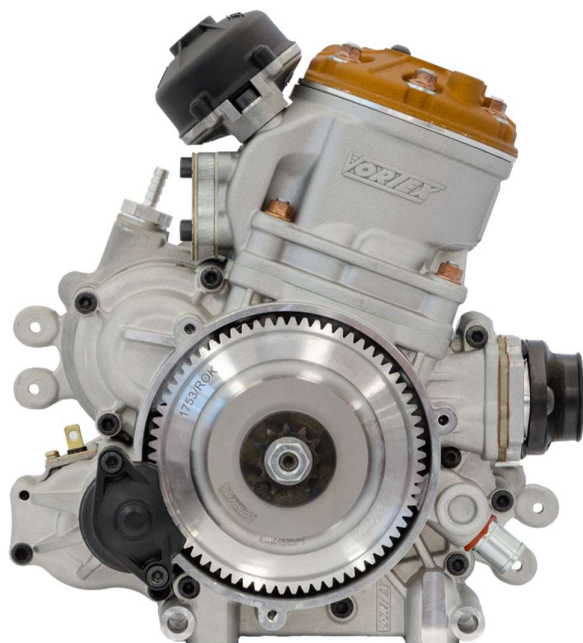


GP / GP-J ROK 2026

IDENTIFICATION SHEET

This Identification Sheet reproduces descriptions, illustrations and dimensions of the **ROK-GP & ROK GP-JUNIOR**.



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.



GP / GP-J ROK 2026

TECHNICAL INFORMATION AND CHARACTERISTICS	
ORIGINAL BORE	54,07 mm
MAX ALLOWED BORE	54,28 mm
STROKE	54 +/- 0,2 mm
ORIGINAL DISPLACEMENT	123,99 cc
CONROD C-TO-C DISTANCE	102 +/- 0,2 mm
WEIGHT OF CONROD	128g +/- 2g
PARAMETERS OF THE DISTRIBUTION	
EXHAUST PORT	195° MAX
BOOSTER	180° MAX
MAIN TRANSFER	132° ±1,5°
SECONDARY TRANSFER	128° ±1,5°
<u>Check of the distribution as described in the ROK CUP COLOMBIA Technical Regulations 2026.</u>	

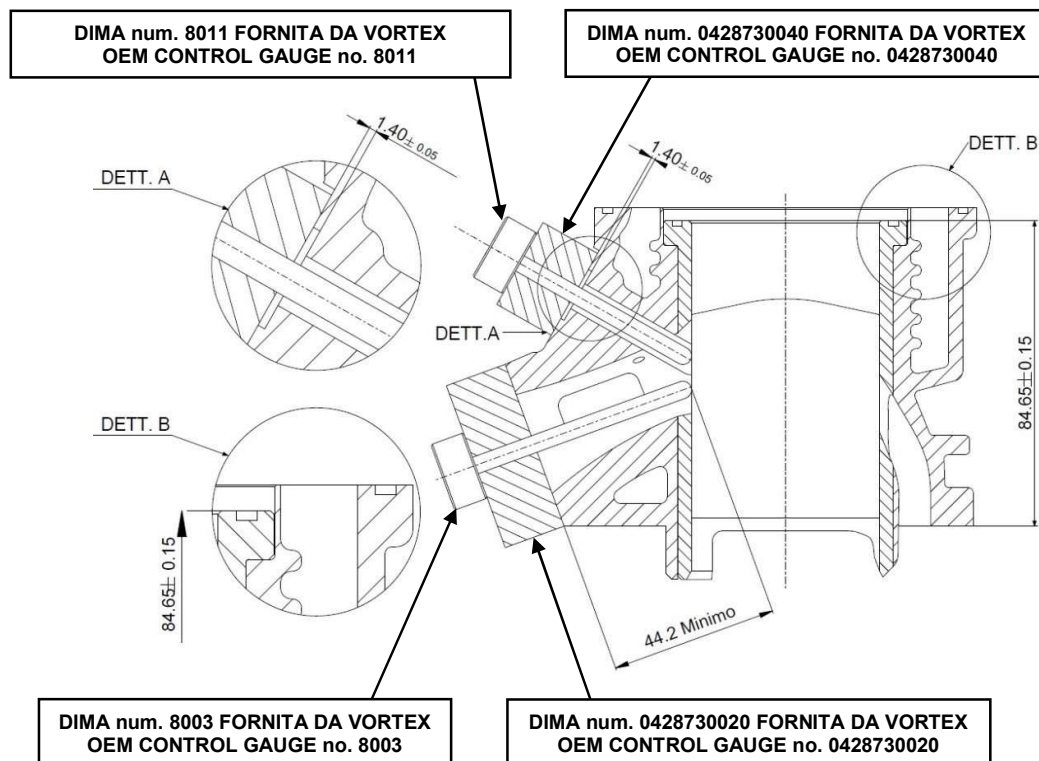
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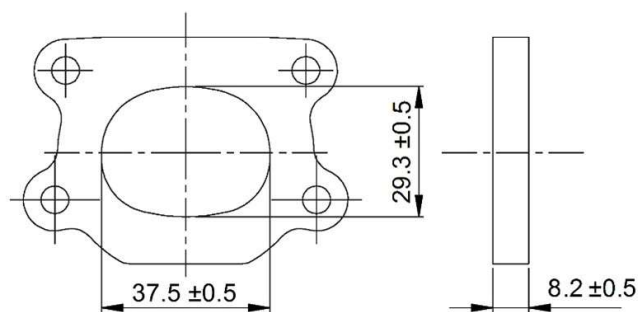
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GP / GP-J ROK 2026

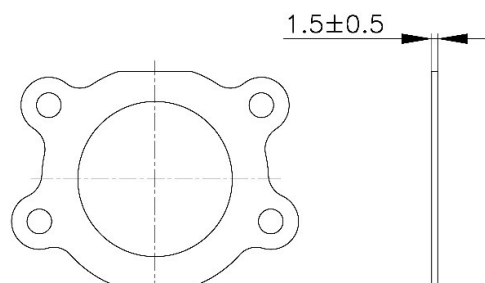
CYLINDER SECTION WITH CAST IRON LINER



EXHAUST SPACER



EXHAUST GASKET



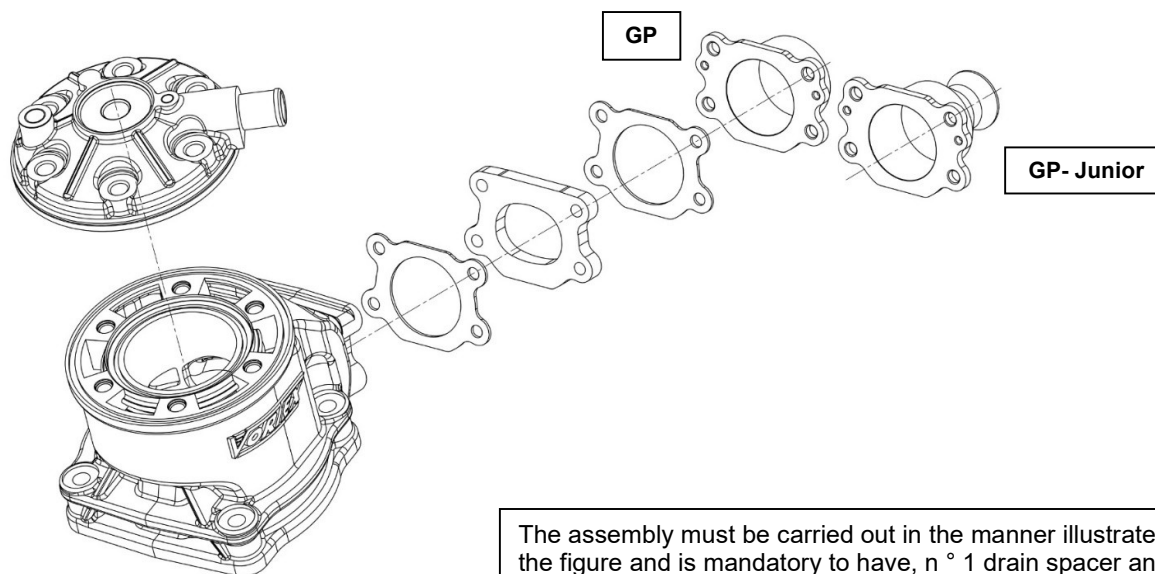
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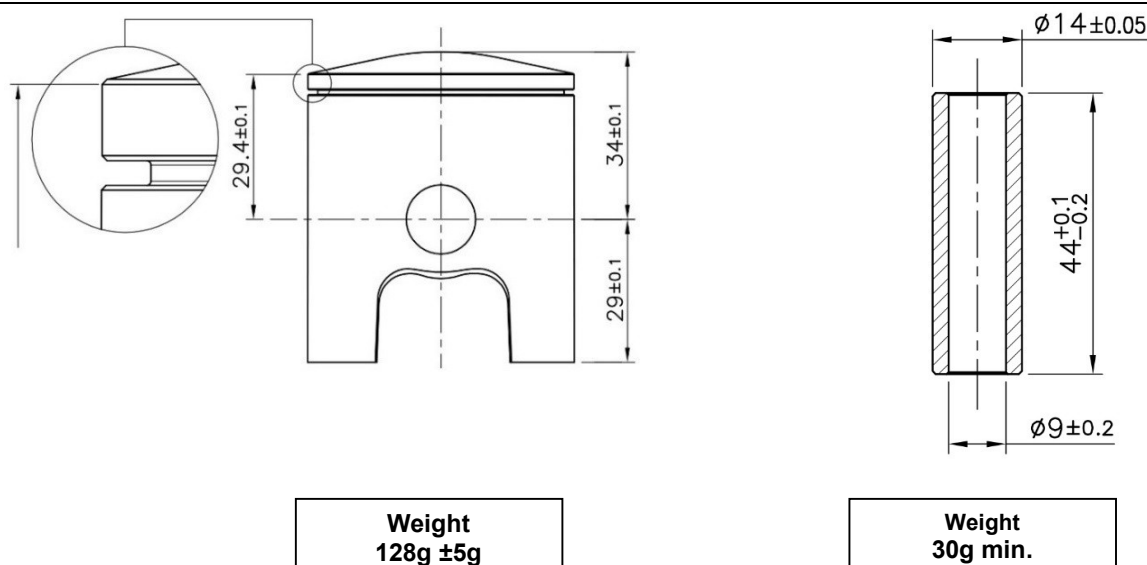
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GP / GP-J ROK 2026

MOUNTING THE SPACER AND EXHAUST GASKETS



PISTON - PISTON PIN



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GP / GP-J ROK 2026

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 
OPTION 3 	OPTION 3 

ATTENTION

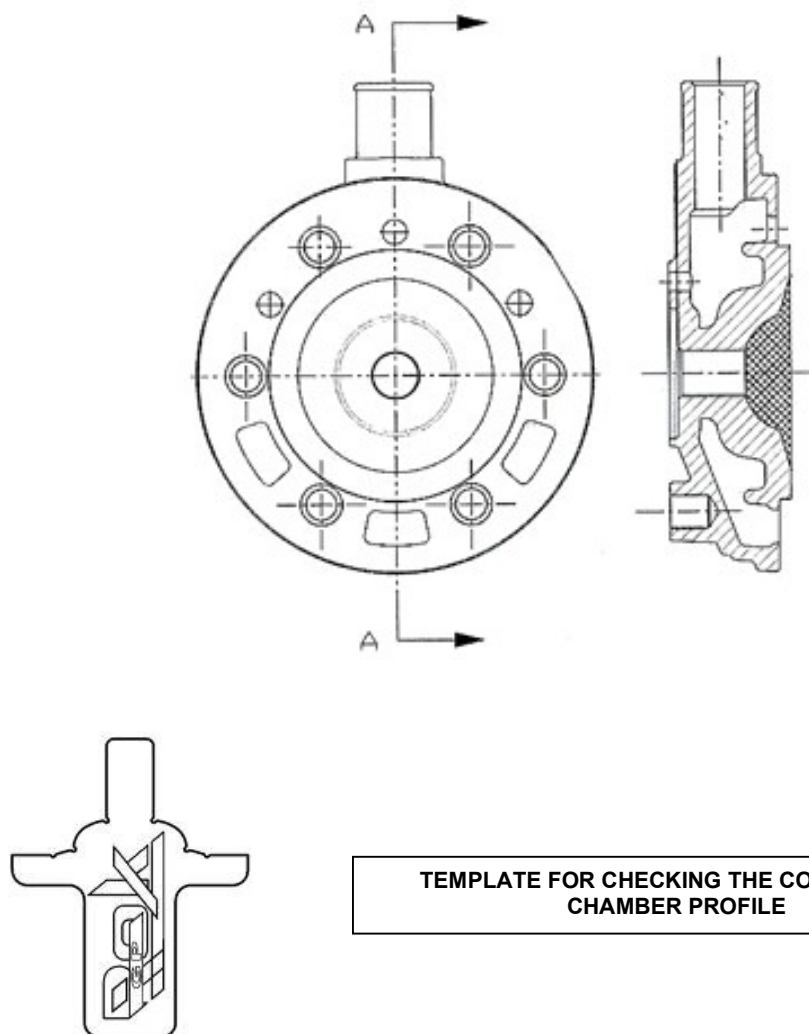
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GP / GP-J ROK 2026

CYLINDERHEAD AND COMBUSTION CHAMBER

Combustion Chamber Volume: measured as described in the **ROK CUP COLOMBIA Technical Regulation 2026**.
SQUISH THICKNESS – SQUISH - EPESSEUR DE SQUISH : 1 mm MIN.



TEMPLATE FOR CHECKING THE COMBUSTION
CHAMBER PROFILE

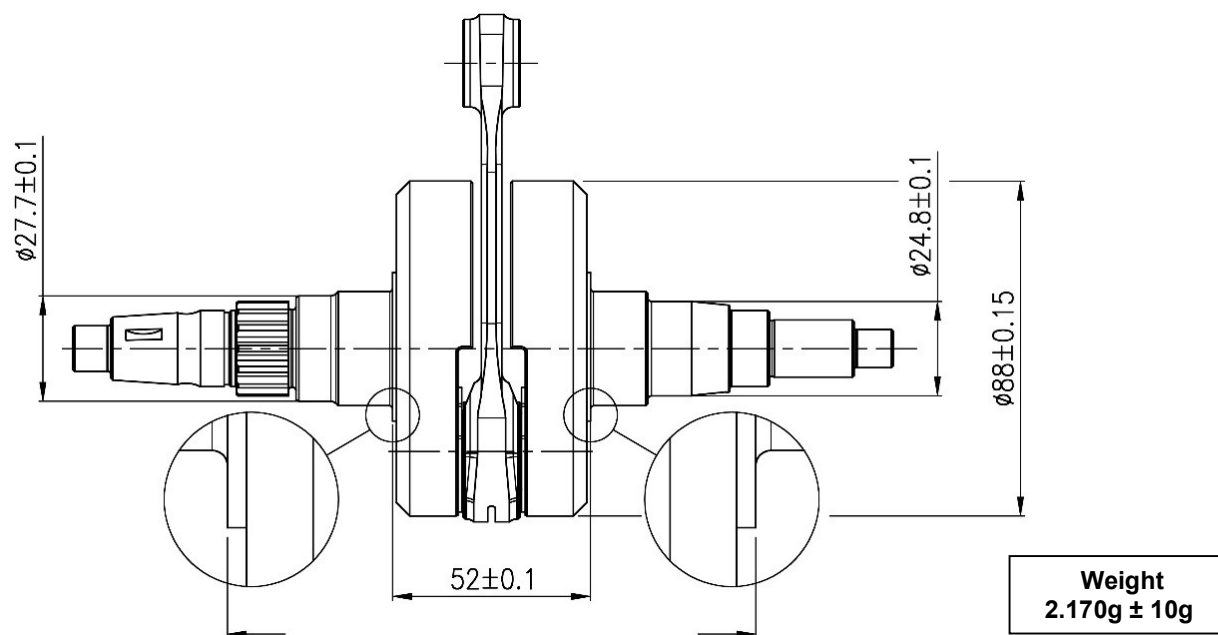
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GP / GP-J ROK 2026

CRANKSHAFT AND CRANKPIN



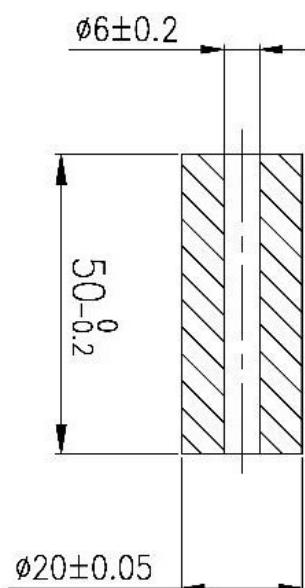
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GP / GP-J ROK 2026

CRANK PIN



Weight
111g ± 1g

OPTION 1



OPTION 2



OPTION 3



PICTURES AND MARKING OF CONROD



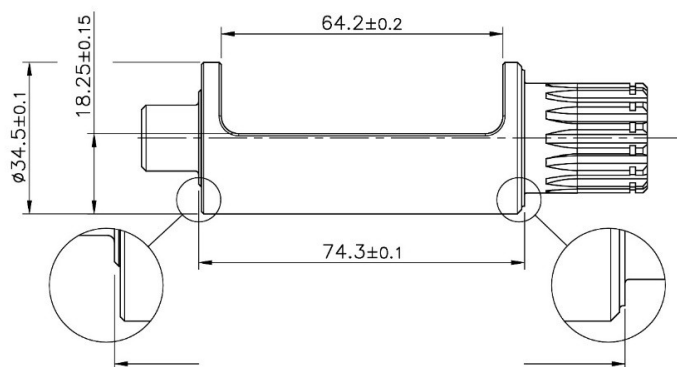
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BALANCER SHAFT



Weight
435g ±5g

ANY OPERATING STATUS OF THE SYSTEM (FAILURE, BREAKAGE, WEAR, ETC.), SUCH AS TO DETERMINE AN INCORRECT DRIVING OF THE BALANCE SHAFT MUST BE CONSIDERED NOT IN RULE.

DETAIL PHOTO OF THE CRANKSHAFT OIL SEAL POSITION



ATTENTION

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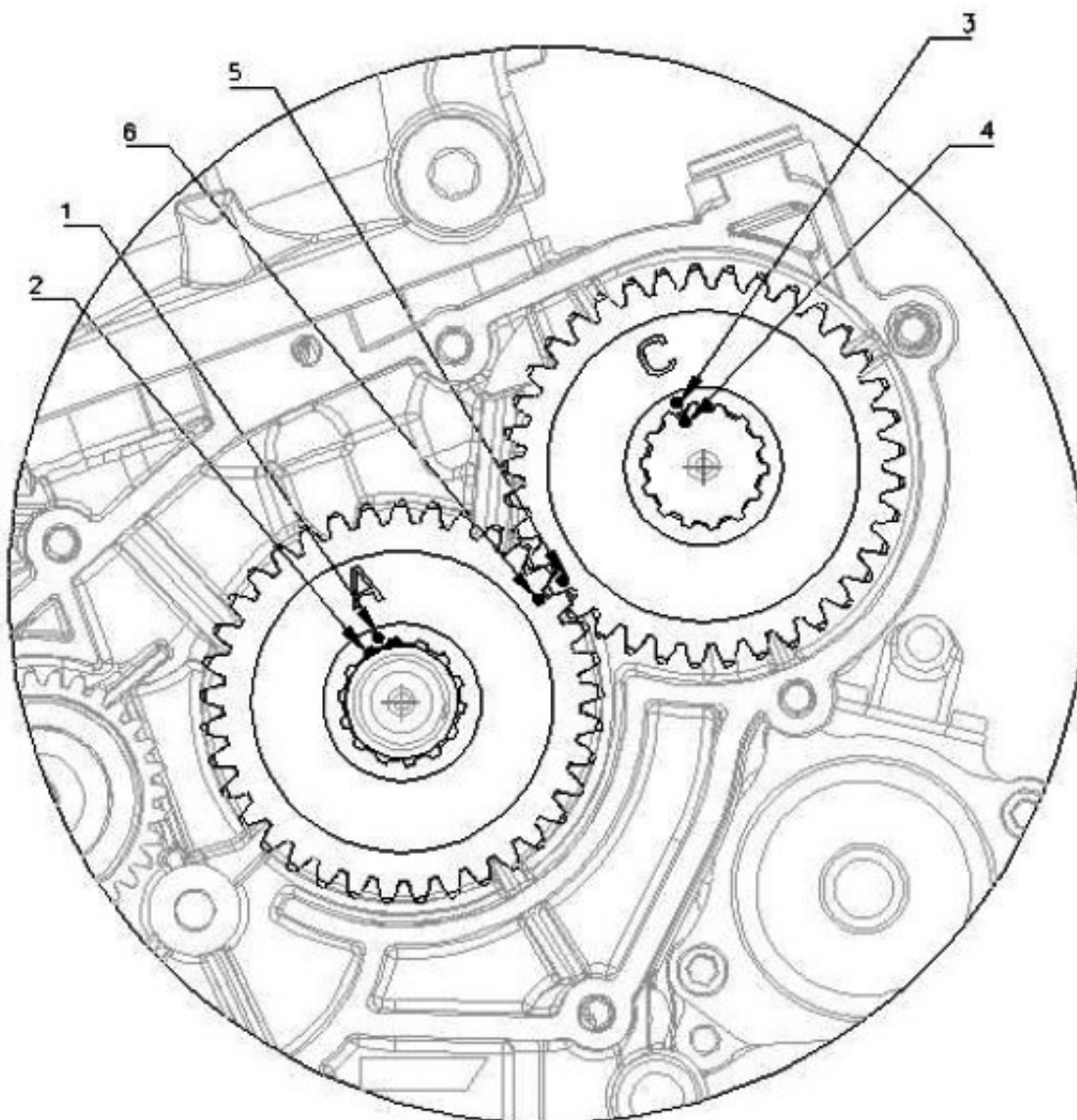
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GP / GP-J ROK 2026

BALANCER SHAFT PHASING

IN THE DRAWING BELOW, WE SHOW YOU IN DETAIL THE ORIGINAL POSITION (TO BE RESPECTED) OF THE BALANCER SHAFT PHASING IN THE ROK ENGINE.

AS THE TIMING SHOULD BE REGULAR THE NOTCHS OF THE GEARS AND THE BALANCER SHAFT SHOULD CORRESPOND WHEN THE PISTON IS AT THE DEAD UPPER POINT. AS SHOWED ON THE DRAWING.



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GP / GP-J ROK 2026

DETAIL OF COUNTERSHAFT GEAR SPACER

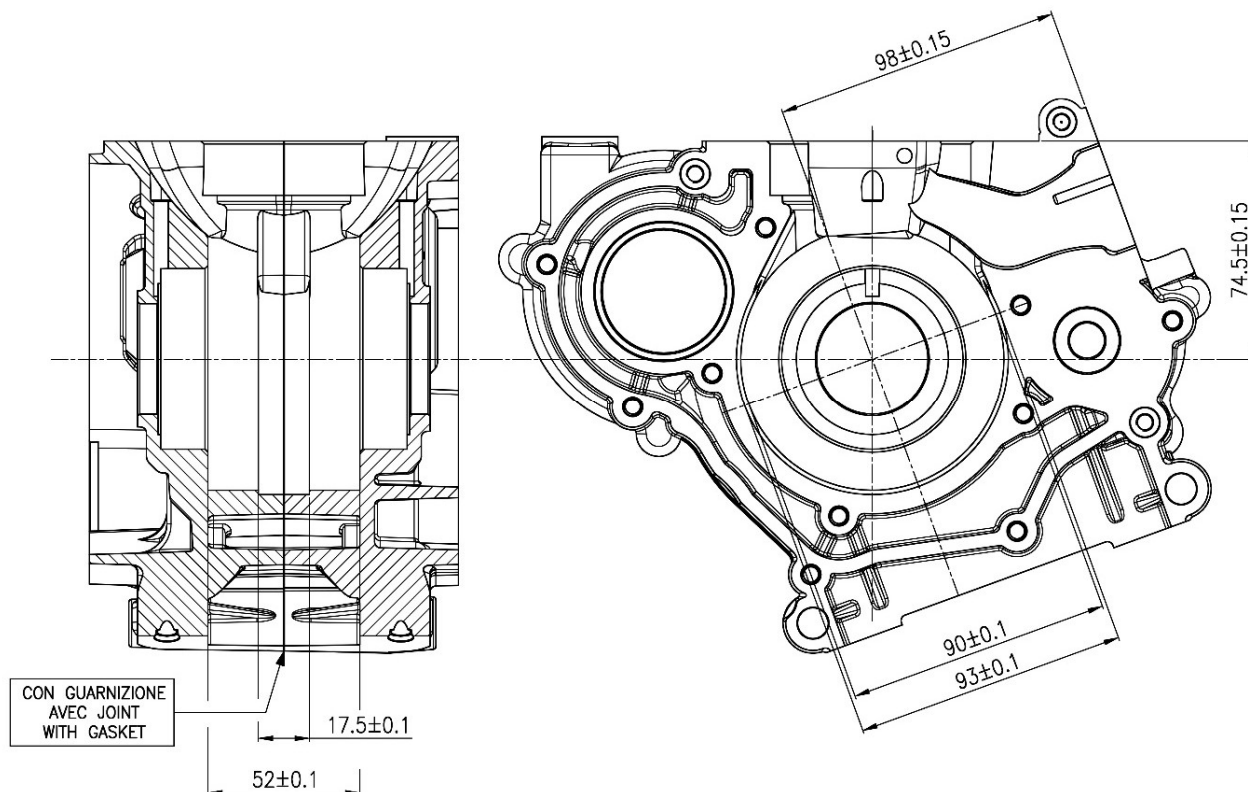
OPTION 1



OPTION 2



INTERIOR VIEW OF THE CRANKCASE

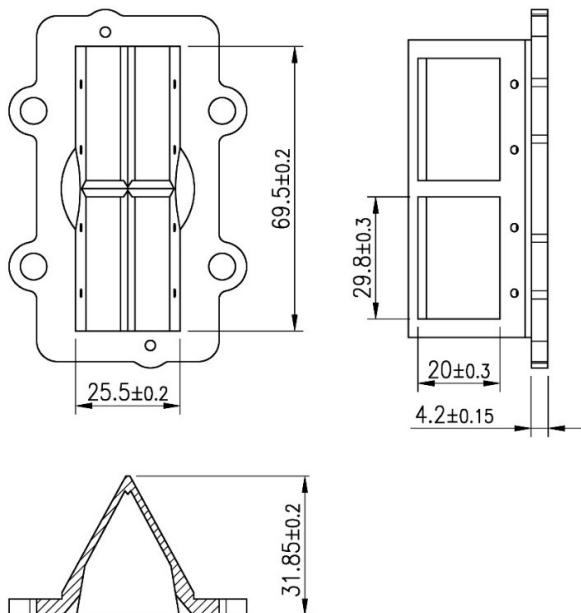
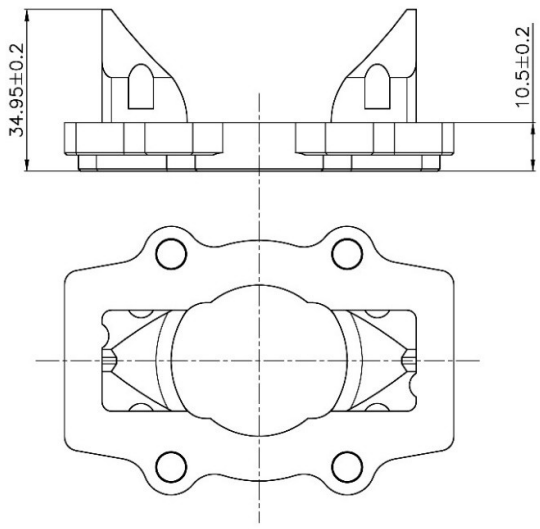


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GP / GP-J ROK 2026

CRANKSHAFT BEARINGS		
TYPE	DIMENSION	CHARACTERISTICS
Free brand 6206.C4	30 x 16 x 62 mm	Steel balls 9
BALANCER SHAFT BEARINGS		
TYPE	DIMENSION	CHARACTERISTICS
Free brand 6005.C4	25 x 12 x 47 mm	Steel balls 10
Free brand 6302.C4	15 x 13 x 42 mm	Steel balls 7
DRAWING OF REED BLOCK		DRAWING OF REED VALVE COVER
		

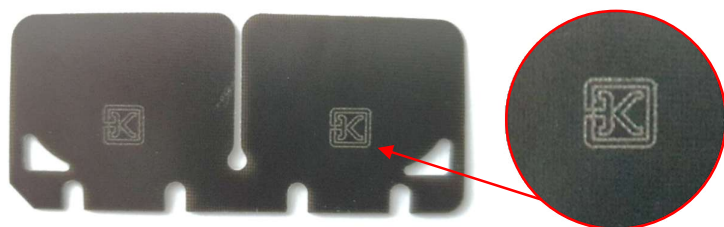
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GP / GP-J ROK 2026

PICTURES AND MARKING OF THE REEDS



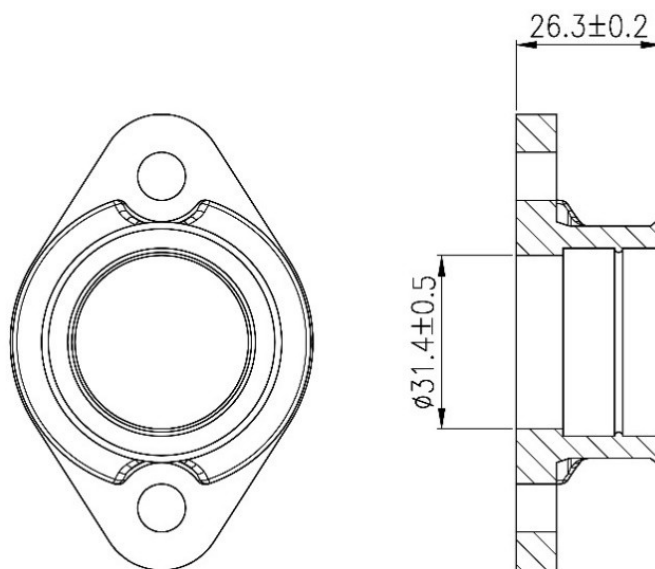
REED PETALS MINIMUM THICKNESS

0.36MM

FIBER GLASS REED PETALS MUST BE BOTH, MANDATORY, ORIGINAL AND BRANDED OTK AS SHOWN IN THE PICTURE.

IT'S NOT ALLOWED TO ADD ANY REINFORCEMENT (STOPPER) ON THE PETALS

INTAKE MANIFOLD



ATTENTION

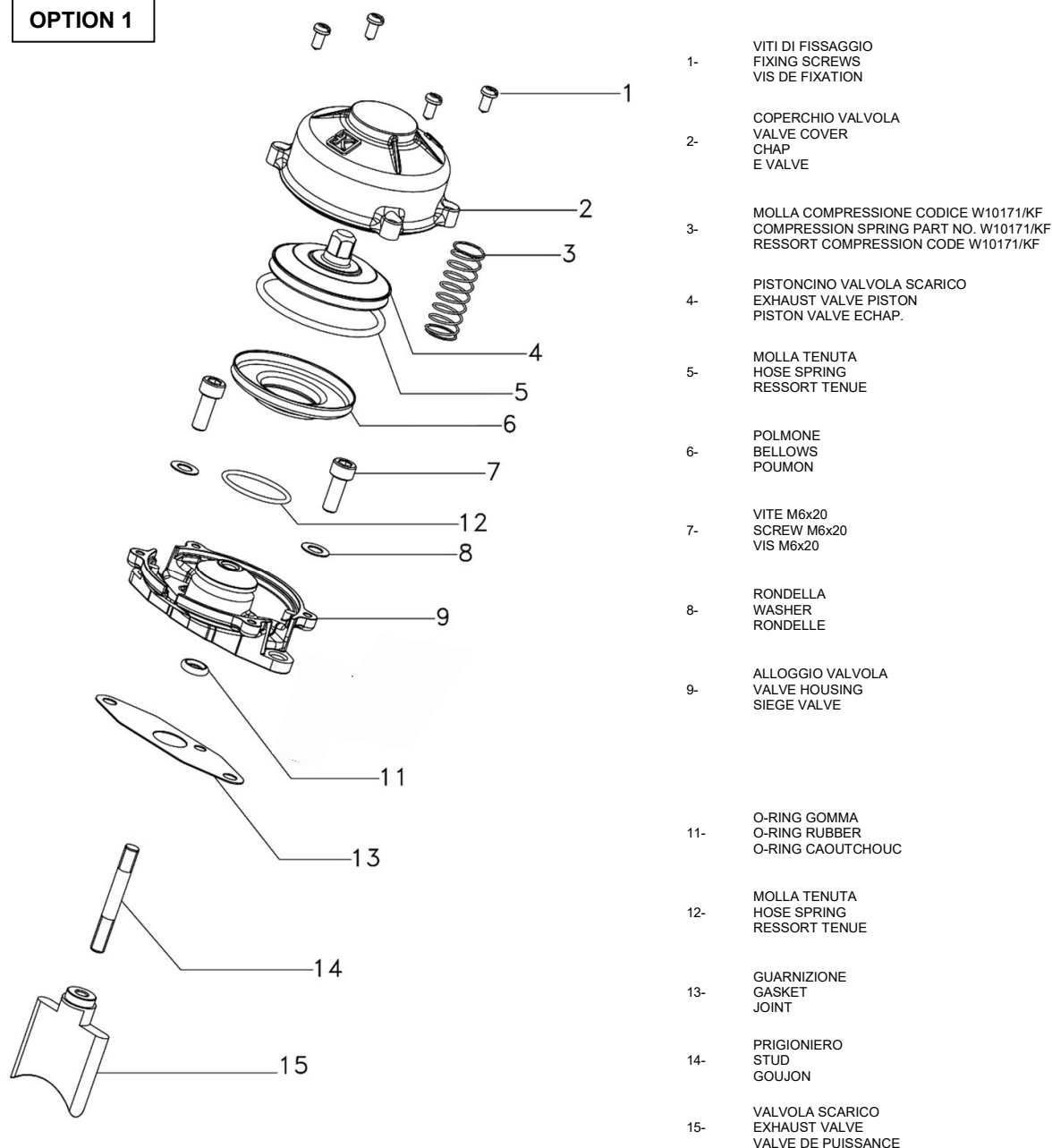
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GP / GP-J ROK 2026

PNEUMATIC POWER VALVE WITH ONE COMPRESSION SPRING

OPTION 1



IT IS ALLOWED TO USE ONLY THE DOUBLE COMPRESSION SPRINGS WHOSE PART NO. W10171/KF

ATTENTION

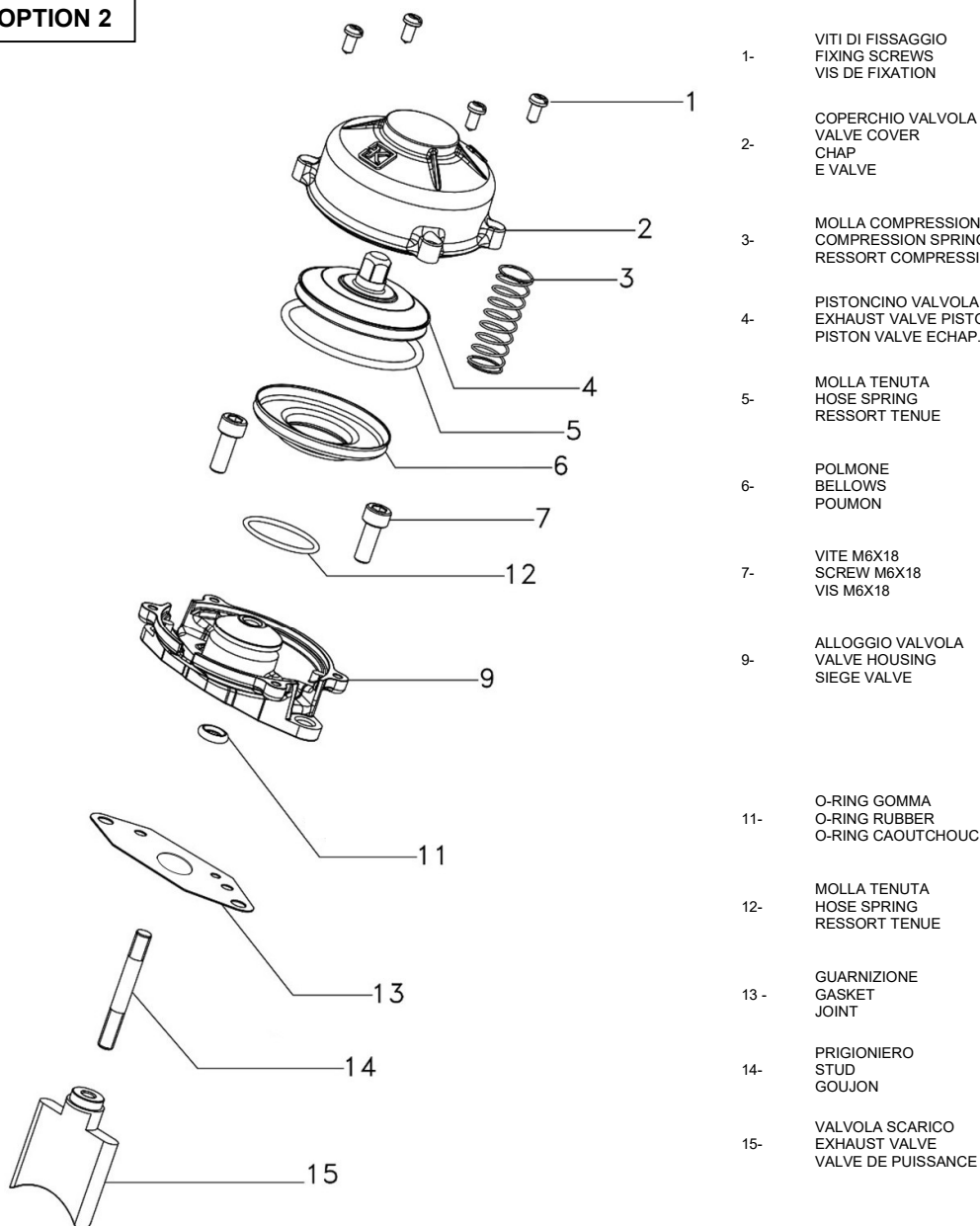
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GP / GP-J ROK 2026

PNEUMATIC POWER VALVE WITH ONE COMPRESSION SPRING

OPTION 2



IT IS ALLOWED TO USE ONLY THE *ONE* COMPRESSION SPRINGS WHOSE PART NO. W10171/KF

ATTENTION

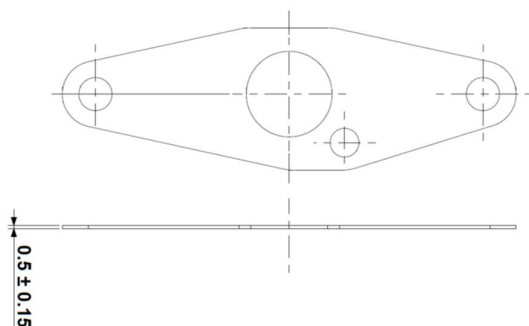
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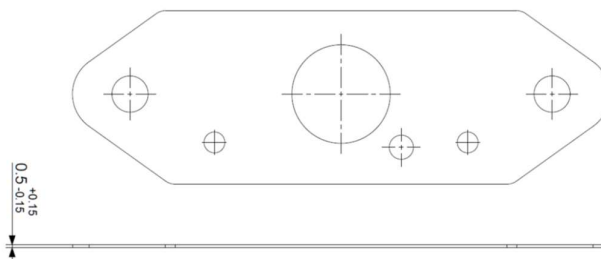
GP / GP-J ROK 2026

EXHAUST VALVE GASKET

OPTION 1



OPTION 2



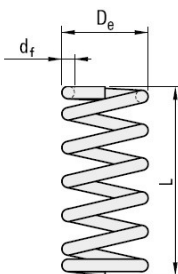
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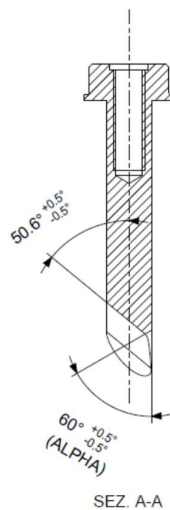
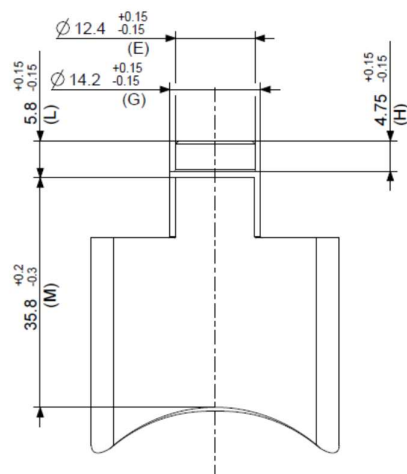
GP / GP-J ROK 2026

COMPRESSION SPRING PNEUMATIC POWER VALVE

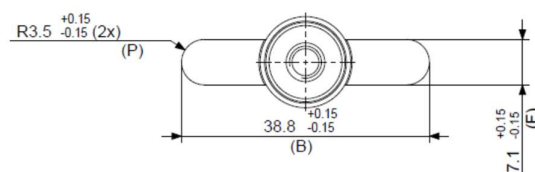
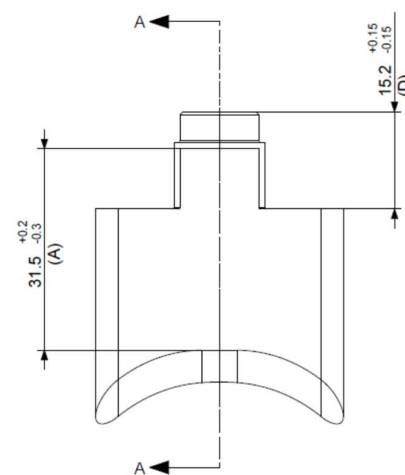


d _f	0.8 mm	± 0.03
D _e	14 mm	± 0.1
L	40 mm	± 1.5
N	5	
N= numero spire		

EXHAUST SLIDE VALVE



SEZ. A-A



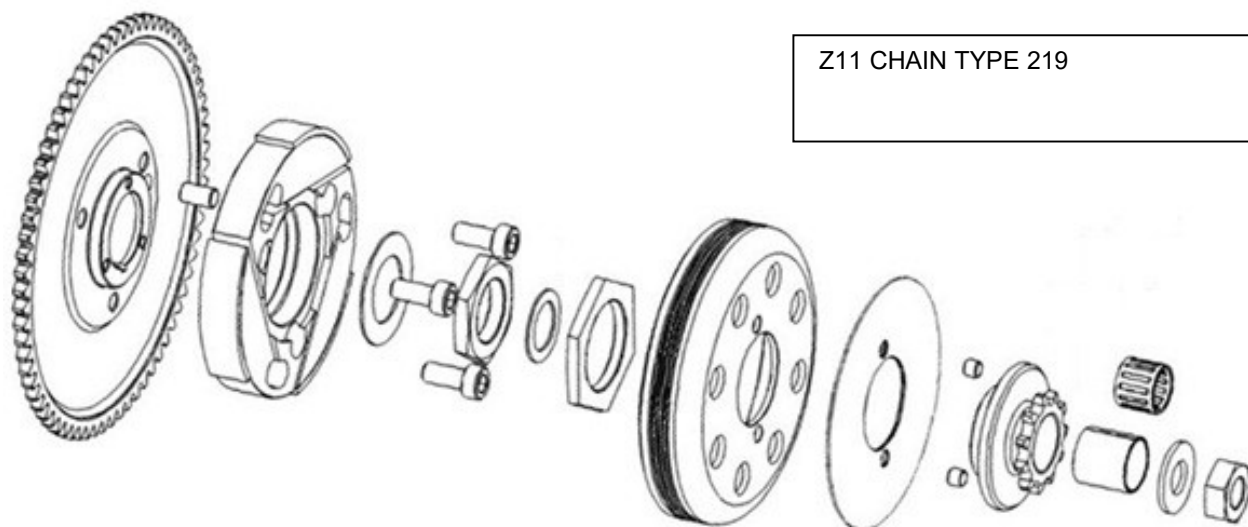
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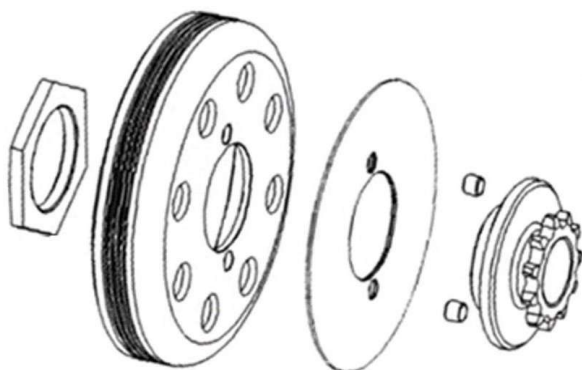
GP / GP-J ROK 2026

CLUTCH DESCRIPTION AND PARTS SKETCH



Z11 CHAIN TYPE 219

- PARTS QUANTITY: 19
- WEIGHT OF THE COMPLETE CLUTCH WITH STARTING GEAR AND PROTECTION: **913 gr +/- 15g**
- ENGAGEMENT SPEED (MAXIMUM) CAN BE VERIFIED IN EVERY MOMENT OF THE EVENT: **4000RPM**



- WEIGHT OF THE CLUTCH HOUSING WITH SPROKET: **280g Min.**
- PARTS QUANTITY: 6

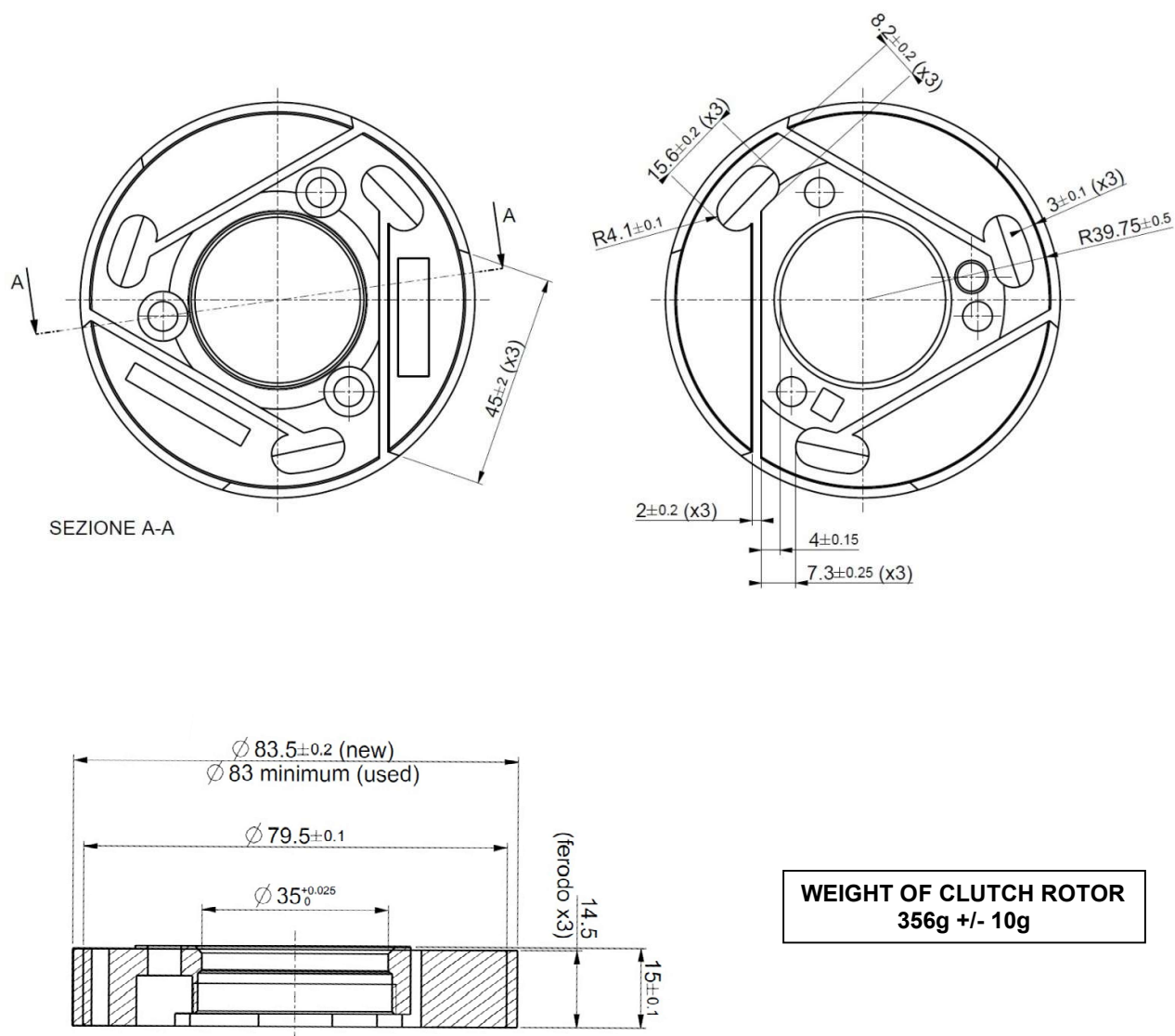
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GP / GP-J ROK 2026

CLUTCH ROTOR



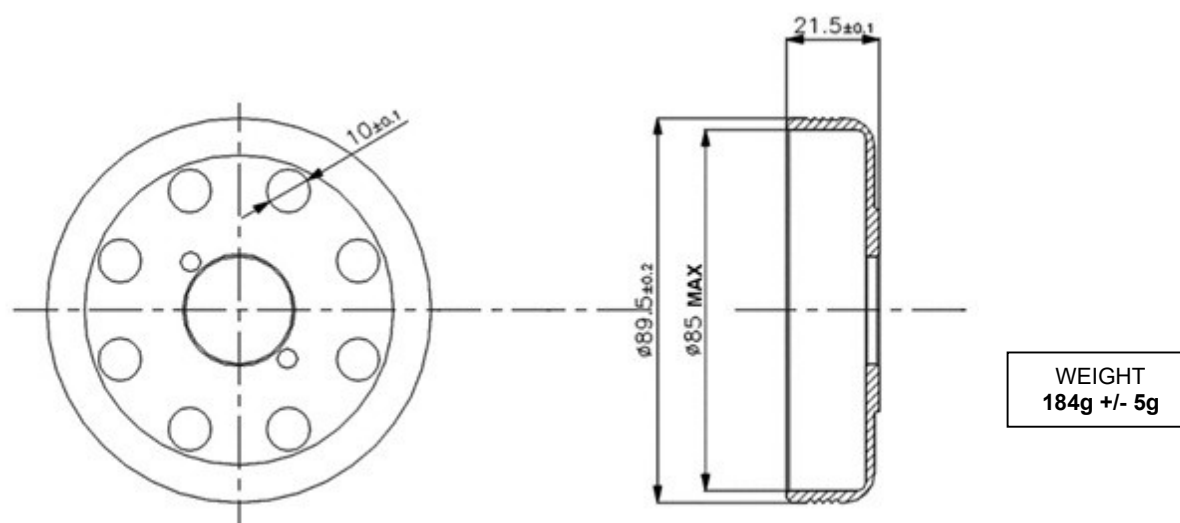
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GP / GP-J ROK 2026

CLUTCH HOUSING



ATTENTION

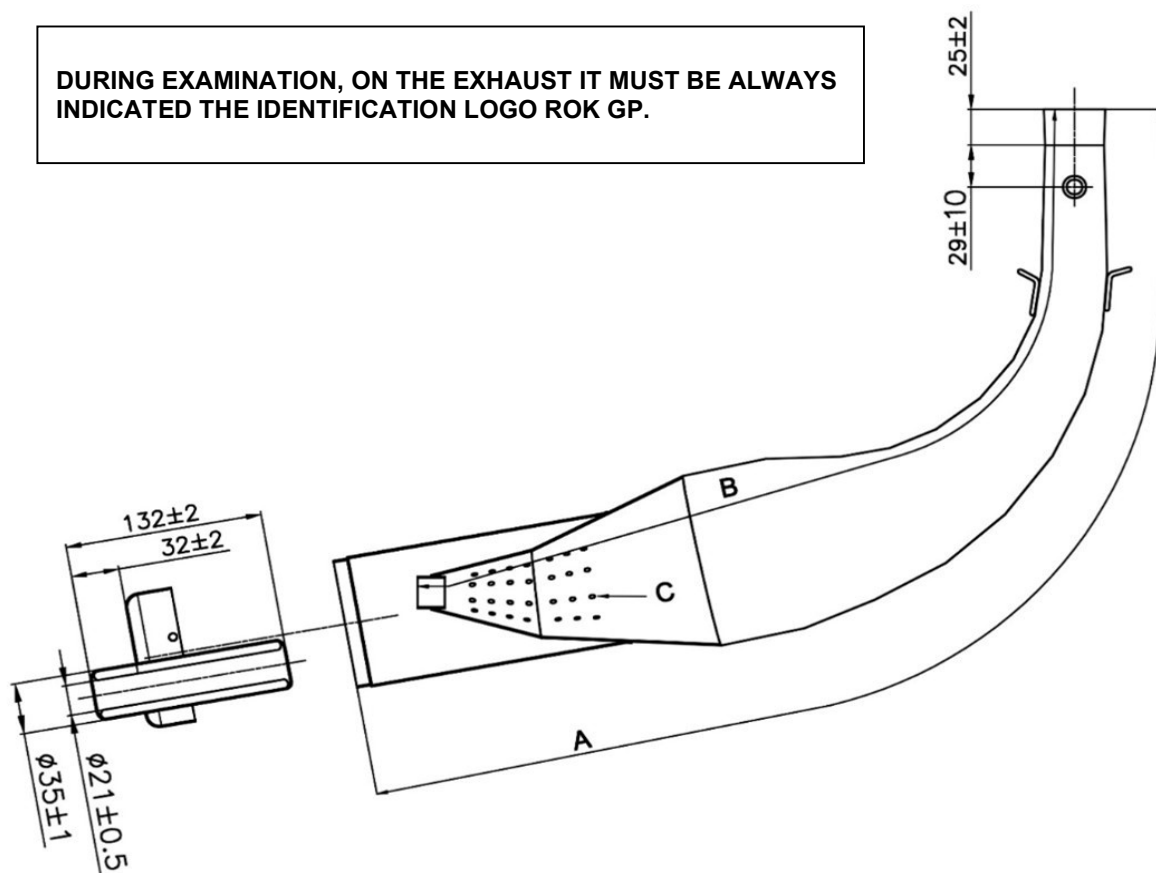
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GP / GP-J ROK 2026

EXHAUST MUFFLER

DURING EXAMINATION, ON THE EXHAUST IT MUST BE ALWAYS INDICATED THE IDENTIFICATION LOGO ROK GP.



EXTERNAL CHORD READING

A=850 mm +/- 7mm

INTERNAL CHORD READING

B=680 mm +/- 7mm

NUMBER OF HOLES AND DIAMETER

C = 56 $\phi 4 \pm 0.5$

WEIGHT

2.158 g. $\pm 5\%$

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GP / GP-J ROK 2026

PHOTO AND MARKING OF THE EXHAUST



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

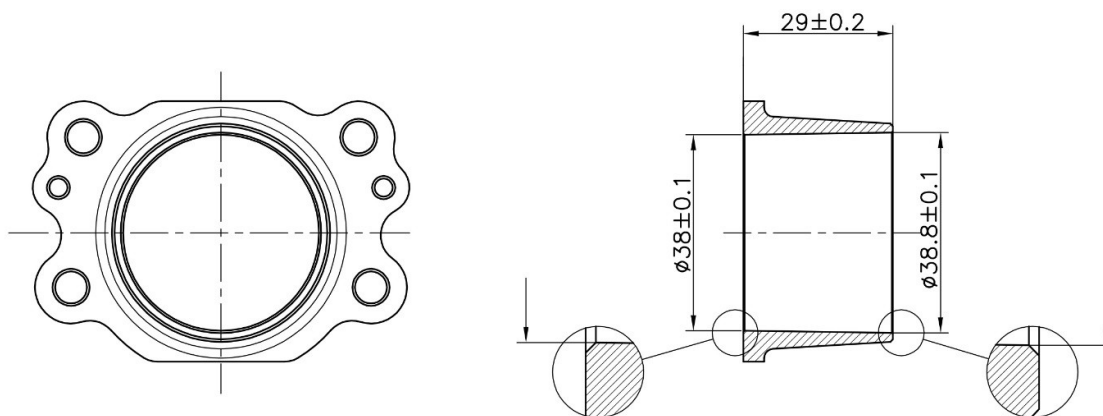
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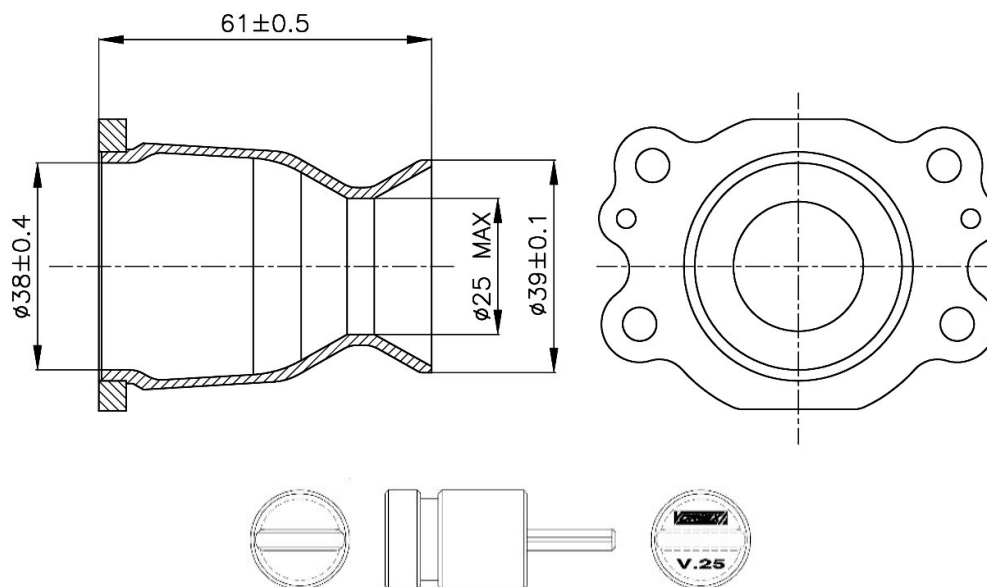
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GP / GP-J ROK 2026

EXHAUST MANIFOLD OF ROK GP



EXHAUST MANIFOLD OF ROK GP JUNIOR



Checked with Vortex template n° V.25

ATTENTION

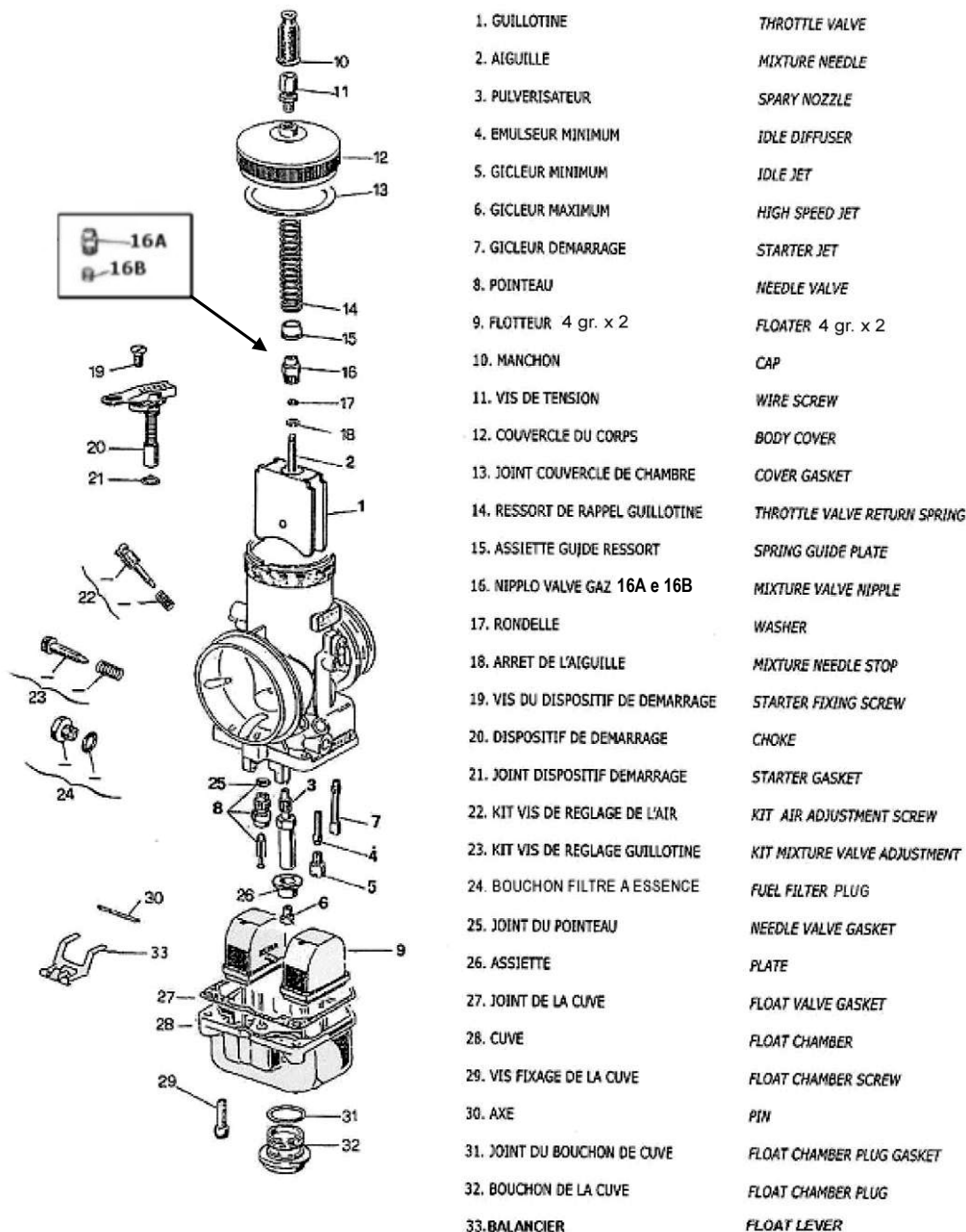
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GP / GP-J ROK 2026

CARBURETTOR AND COMPONENTS

DELL'ORTO VHS 30

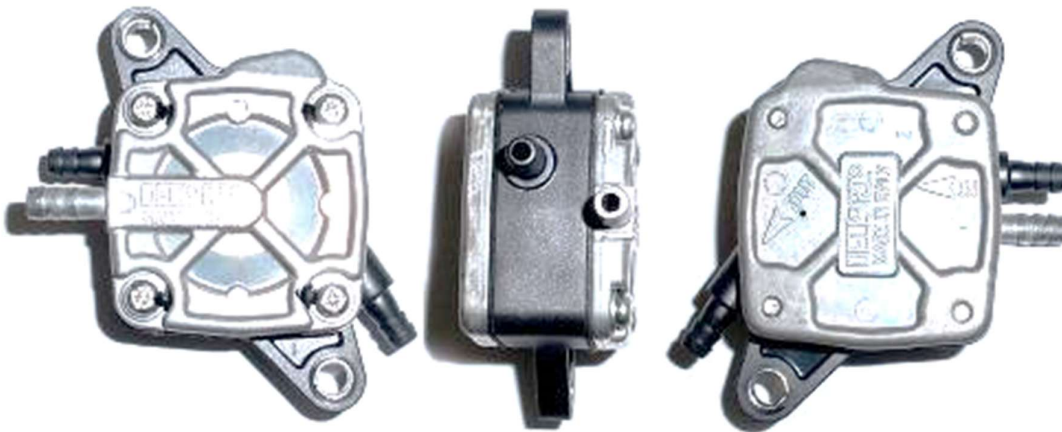


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GP / GP-J ROK 2026

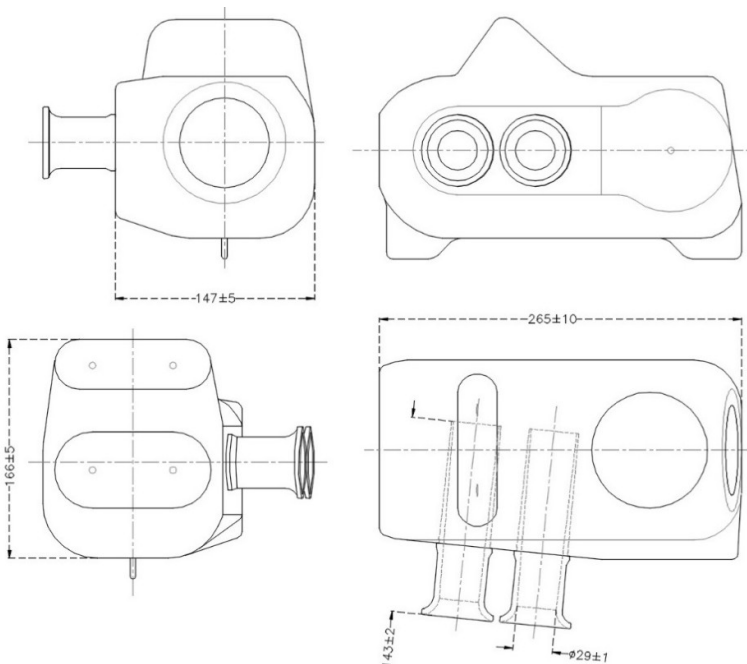
ALLOWED SETTING		
	COD. VORTEX	COD. DELLORTO
Valvola gas 40 - Gas valve - Valve gaz	W947540-764	1656540-64
Spillo conico K33 - Mixture needle - Aiguille	W853033	0853033 08
Polverizzatore DP268 - Spary nozzle - Pulverisateur	W12539268	12539268 28
Ugello sede polverizzatore 7 mm - Spray seat nozzle - Buse de pulvérisation	W1254100-28	1254100 28
Getto max - High speed jet - Gicleur max - LIBERO - FREE	W6413160	06413160 02
Getto minimo 60 - Idle jet 60 - Gicleur minimum 60	W1299560	1299560 02
Getto emulsionatore CD1 - Idle jet CD1- Emulser minimum CD1	W1053201	1053201 28
OPZIONE 1 - OPTION 1 - OPTION 1		
Valvola a spillo 250 - needle valve 250 - poiteau 250	W8649250	08649250 33
OPZIONE 2 - OPTION 2 - OPTION 2		
Valvola a spillo 270 - needle valve 270 - poiteau 270	W8649270	08649270 33
DELL'ORTO FUEL PUMP		
		
COD. 11023		
IT IS ALLOWED ONLY THE USE OF THE OUTLET FUEL PIPE. IT IS FORBIDDEN THE USE OF THE RETURN FUEL PIPE TO THE FUEL TANK. IT IS ALLOWED TO MOUNT ONLY N° 1 (ONE) FUEL FILTER BETWEEN TANK AND FUEL PUMP.		

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GP / GP-J ROK 2026

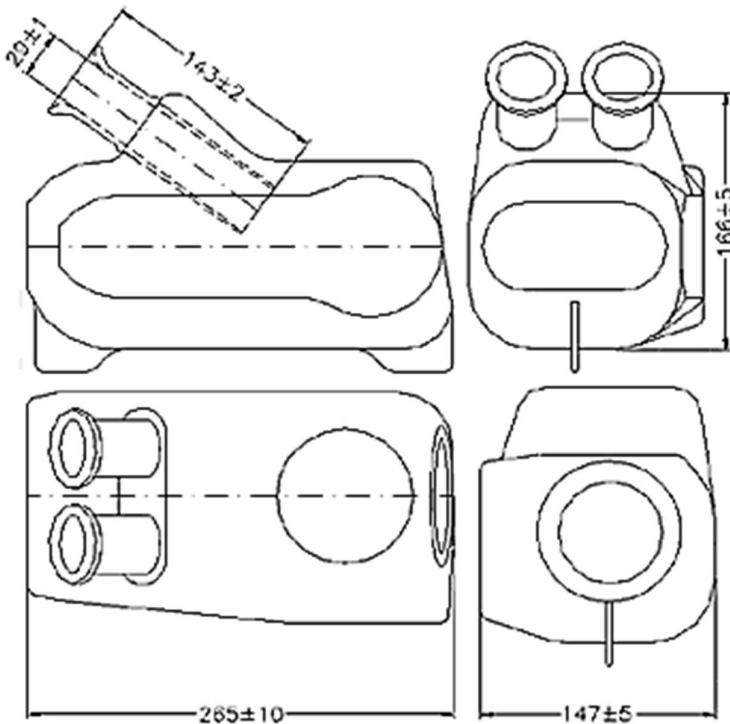
INLET SILENCER	
MODEL, TYPE	ARROW
	 AIR FILTER MESH IS OPTIONAL & OPEN BRAND.
RUBBER BUSH CAN BE CUT ON ONE SIDE.	

ATTENTION

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GP / GP-J ROK 2026

INLET SILENCER OPTIONAL	
MODEL TYPE	ARROW 0225.GLB 29
	 AIR FILTER MESH IS OPTIONAL & OPEN BRAND.
RUBBER BUSH CAN BE CUT ON ONE SIDE, SILENCER SIDE.	

ATTENTION

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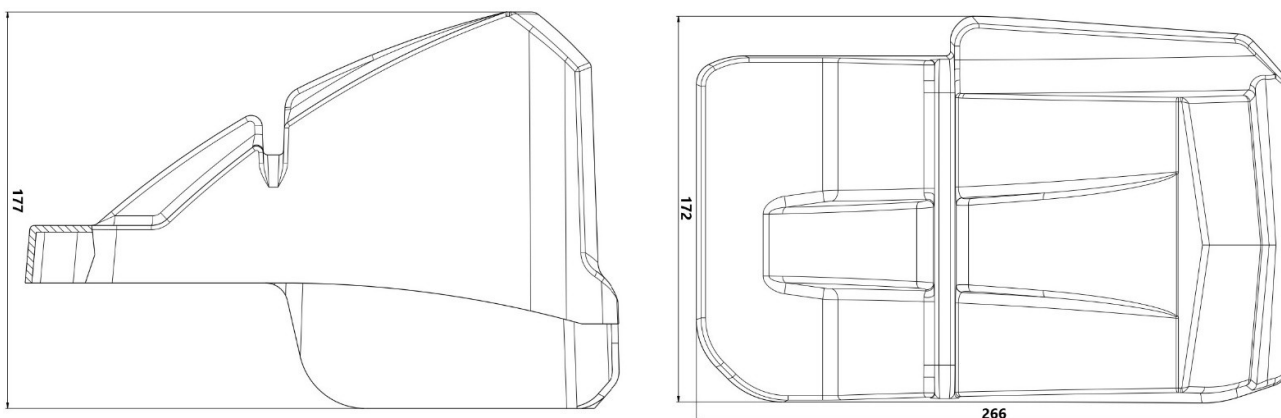
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GP / GP-J ROK 2026

RAIN PROTECTION INLET SILENCER (OPTIONAL)



RAIN PROTECTION INLET SILENCER (OPTIONAL)



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GP / GP-J ROK 2026

PVL IGNITION

OPTION 1

Rotor 500843
Stator 500980



SELETTA IGNITION

OPTION 2



Rotor - P3356



03014560
50528/51.20
ROK



USE OF SOLELY OEM MARKED COIL, STATOR AND ROTOR WILL BE ALLOWED, AS MENTIONED IN THE ABOVE PICTURES.

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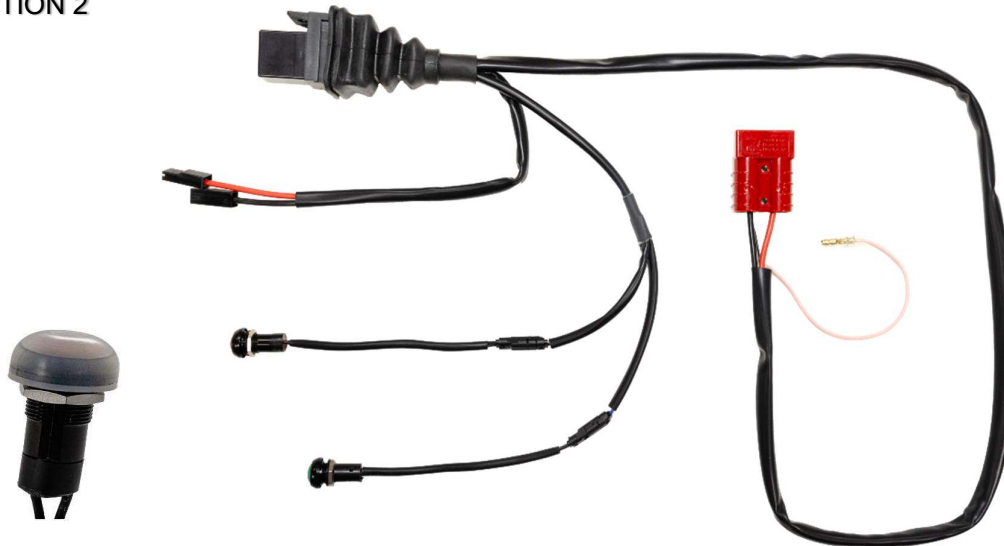
GP / GP-J ROK 2026

STARTER WIRING

OPTION 1



OPTION 2



ENGINES SHALL BE MANDATORY SWITCHED ON AND OFF BY MEANS OF THE ON-BOARD STARTING SYSTEM.
TECHNICAL STEWART MEMBERS SHALL CHECK THE ON-OFF ONBOARD SYSTEM ANYTIME.
THE BUTTON COVER IS OPTIONAL.

ATTENTION

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