



# VOOZ

FRAMES FOR CUSTOM MOTORCYCLES

# FRAME'S MODELS

Model: G-3



**VOOZ**

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# FRAME'S MODELS

Model: G-4

BASIC FRAME



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# VOOZ KIT



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# FRAME'S ACCESSORIES



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### Fuel tank

two-piece, steel, with a capacity of 10l, one part is fastened to the fuel pump with fuel injection engines  
Design and production VOOZ



### Electrical box

Made of aluminium. It has a mounting to install ignition, computer, fuses, relays  
design and production VOOZ



### Fitting the battery

made of stainless steel. Mounted to the frame by six rubber cushions.  
Design and production VOOZ



### Oil box

Made of aluminium. Allows you to install a horizontal gel battery with high current boot. Capacity of oil such as in the original model, Dyna.  
Design and production VOOZ



# FRAME'S ACCESSORIES



**Front engine's cushion.**



**Rear engine's cushion.**



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**Mount the ignition coil**

and the upper engine stabilizer  
design and production VOOZ



**Rear fender shoulders**

To mount fender and rear suspension  
design and production VOOZ



**Clutch plate**

made of aluminium T6060  
design and production VOOZ



**Clamping voltage regulator**

and the brake line keeping in frame  
design and production VOOZ



# FRAME'S ACCESSORIES



## Rear wheel axle

with eccentric chain tensioners, and stainless steel nuts  
design and production VOOZ

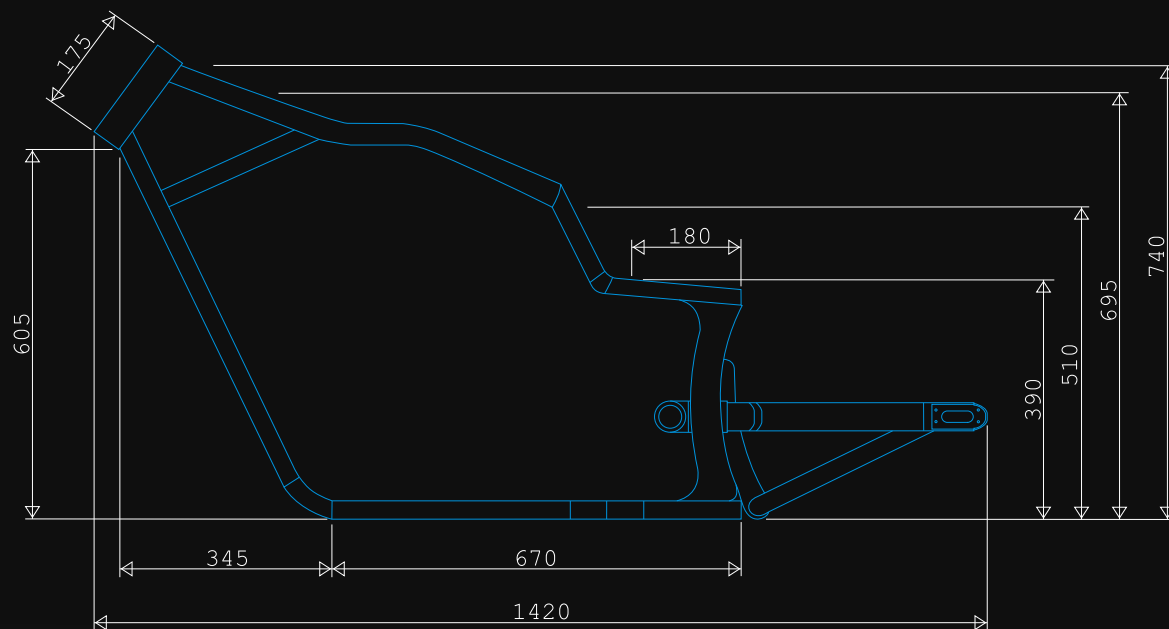


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# TECHNICAL DATA FOR FRAMES AND ACCESSORIES

## FRAME G-3 WITH SWING ARM



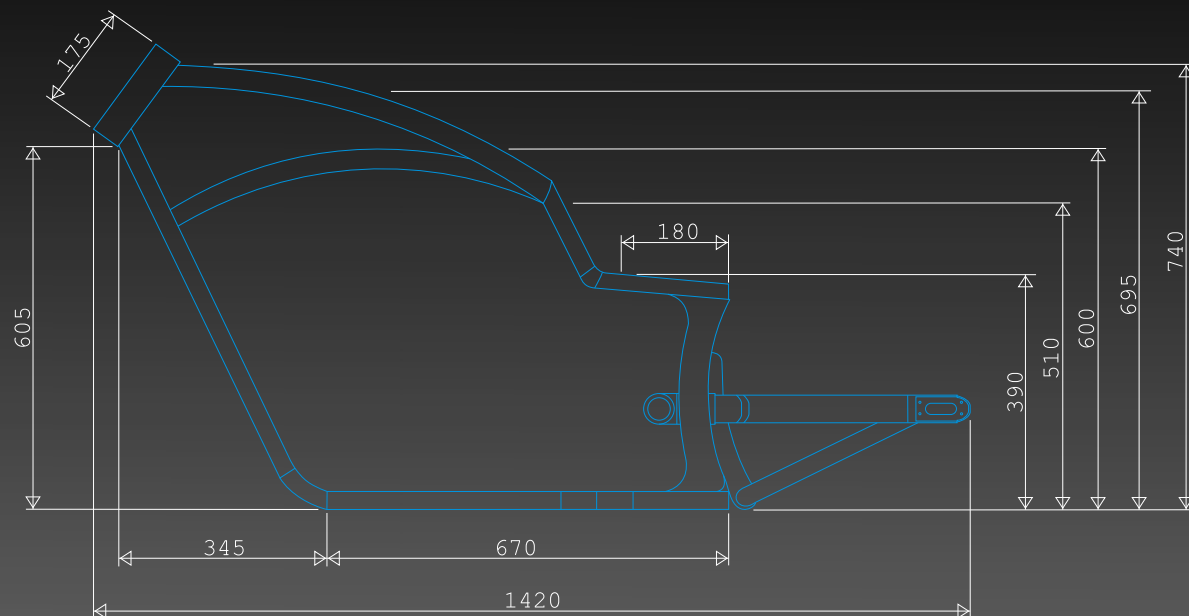
Material used: E235+N  
Tube diameter – D=30mm  
Main tube diameter D=38mm  
Neck rake angle - 36°

Frame dimensions:

Length – 1420mm  
Height – 770mm  
Width – 355mm

Frame weight – 30kg  
Swing arm weight – 13kg

## FRAME G-4 WITH SWING ARM



Engine types – Evolution, TwinCam, model Dyna 99-05  
Engine mount – soft  
Rear Swing arm - steel D=45mm  
Tire's maximum width – 200mm  
Wheel's maximum diameter – 18"  
Wheel drive – chain  
Chain stretching – eccentric  
Rear suspension – shock absorbers – 10,5"

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# GENERAL INFORMATION

## FRAME KIT CONTAINS FOLLOWING ELEMENTS:

### 1. FRAME WITH SWING ARM

Frame is made from steel tubes, 30mm diameter. Frame weight is 30kg, Swing arm weight is 13kg. Neck rake angle is 36°, it is optimal to have good traction conditions. Bearing rise is directly in neck rake, which guarantees high stiffness of front suspension. Engine mounting cushions are from HD Dyna series, that allows using Evolution and Twincam engines.

### 2. FUEL TANK

Material used for production is steel Dc06 / 1.0873 1mm thick. It is made from two half, each containing 5 litres of fuel. In one of them is mounting space for S&S fuel pump. Both chambers are fitted with fuel cap and nipple to join both sides. Every half is mounted to frame on three sinenbloks, which provides lasting and safe connection. Each half's position on the frame can be adjusted individually.

### 3. ELECTRIC BOX

Aluminum 2017A is used as material and CNC machinery for manufacturing. Box is fixed to frame with 4 bolts under driver's seat. All around the box is space for placing protective seal against moisture and water. Box have mounts for ignitron key, ECU, fuses and solenoids. It also have holes for electrical installation and water outlet.

### 4. BACK FENDER

Fender is made with plain steel 1mm thick with pocket for placing the seat.

### 5. FENDER'S ARMS

Arms are made from S355JR / 1.0045 steel 12mm thick. They are with welded sleeves for mounting shock absorbers. To install arms, welding is need to frame, according to VOOZ regulations.

### 6. BATTERY MOUNTING

Mounting is divided into two pieces: bottom and cover. Bottom is made from stainless steel 304 / 1.4301 / X5CrNi18-10 3mm thick. It is fixed to frame on six strong rubber cushions. This solution prevents vibrations to be transferred from frame to battery. Removing battery is very easy. Top cover is made of stainless steel 304 / 1.4301 / X5CrNi18-10 1,5mm thick and pressures battery to bottom. This way battery stays in one place.

### 7. TOP ENGINE MOUNT

Made from aluminum 2017A. Allows to mount top stabilizer and ignition coil.

### 8. OIL SUMP

Made from aluminum 2017A. Its design allows to use larger battery under gear box. It is strongly recommended for bigger engines.

### 9. SEAT BASE

Seat base is made from steel. It has metal fasteners for easy fixing to the frame.

### 10. COMPLETE REAR AXLE

Made from carbon steel D=3/4". Every kit includes two stainless steel nuts with eccentric tensioners.

### 11. COMPLETE SWING ARM AXLE

Original solution from model Dyna. Set includes two cone bearings, bushing, bearing covers, axle screw and axle.

### 12. RUBBER SEALS FOR ELECTRICAL HARNESS HOLES IN FRAME

Rubbers are made from silicone. They are placed in frame's every hole that is used for electrical cables.

### 13. CLUTCH PLATE

Made from aluminum 2017A. Plate is compatible with Twincam engine and Dyna. It made for dry clutch.

### 14. ENGINE'S FRONT CUSHION

Original solution from Dyna Twincam model.

### 15. ENGINE'S FRONT MOUNTING FEET

Original solution from Dyna Twincam model.

### 16. REAR ENGINE'S CUSHION

Original solution from Dyna Twincam model.

### 17. TOP ENGINE STABILIZER

Original solution from Dyna Twincam model.

### 18. REAR STABILIZER

Original solution from Dyna Twincam model.

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Company **PIMSTAL Michał Wawrzonowski** designed and started manufacturing its own line of custom frames (patent P-384876) under the brand **VOOZ** since 2009.

The basic idea, when designing a custom motorcycle frame, was that line and the nature of motorcycle strongly diverged from the factory standards. Influenced in appearance by dragsters but still functional. The **VOOZ** frame solves the problem of customers who want to have fully customized motorcycle, guaranteeing their safety and reliable daily use.

Key features of the frame that guarantees good traction and comfort of the motorcycle are: engine mount on the cushions, rear wheel max width 200mm, light and narrow clutch, low center of gravity, sport compact silhouette. Frame with arm bar and accessories such as fuel tank, battery box, oil box are 100% designed and manufactured by factory **PIMSTAL** in Piaseczno near Warsaw in Poland. On the basis of these components, customer can have its own motorbike, starting with frame and accessories or order a complete custom bike. The **VOOZ** frame is designed to install the H-D engine Model Evolution and 2001-2005 Dyna TWINCAM or replacements from companies such as **S & S**, **Ultima**, and others.