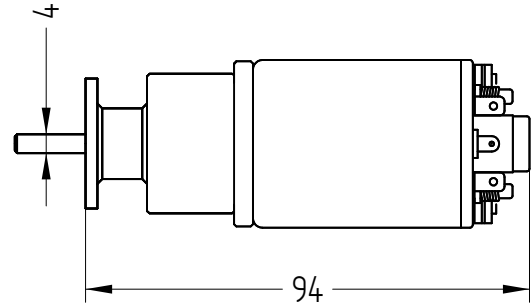
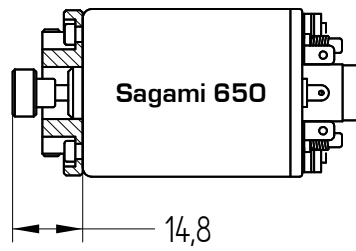
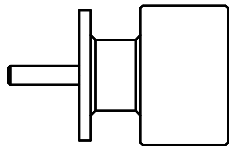
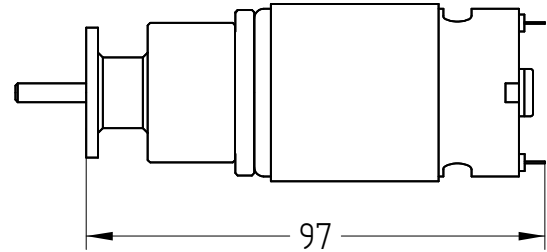
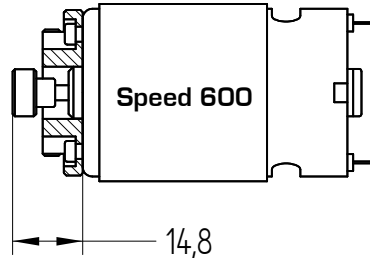
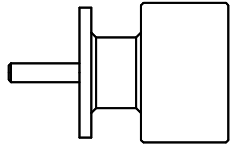


PLANETARY GEARBOXES

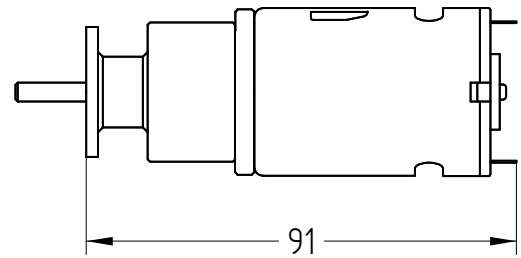
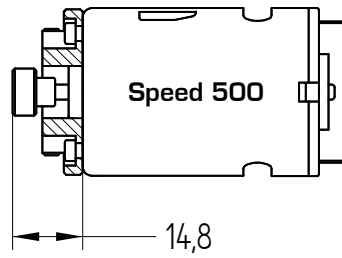
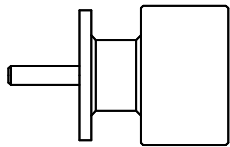
MPJ 8054, MPJ 8064



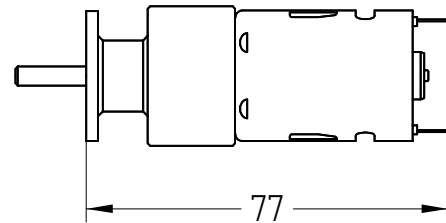
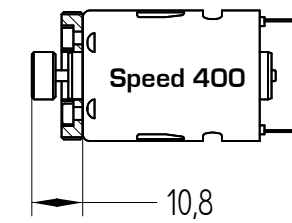
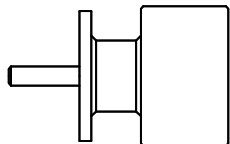
MPJ 8053, MPJ 8063



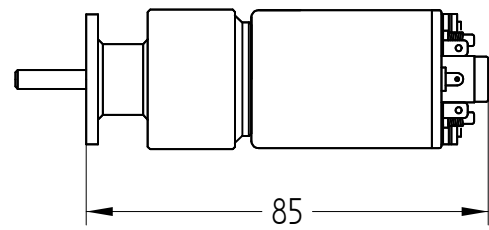
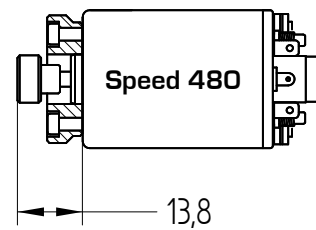
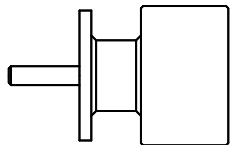
MPJ 8053, MPJ 8063



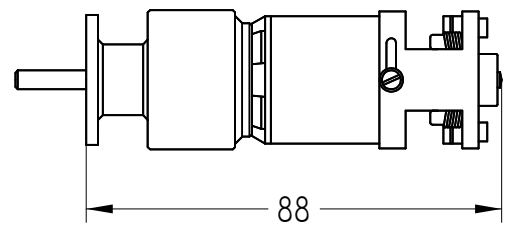
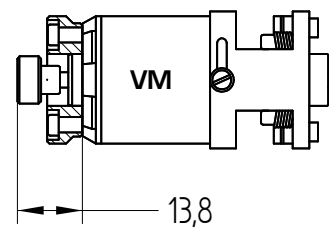
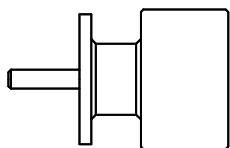
MPJ 8050, MPJ 8060



MPJ 8051, MPJ 8061



MPJ 8052, MPJ 8062



PLANETARY GEARBOXES

The planetary gearboxes are good solution in case that there not enough space in the nose of model kit for standard MP JET gearboxes. These gearboxes are made of metal, the body is CNC machined aluminium alloy, the gear ring with inner tooth is precision injection moulded part from glass filled nylon. The other gears are produced from nitrocarburised steel. The output shaft has diameter 4 mm and is supported in two ball bearings. MPJ 8065-8068 are recommended for models of expedition cars, these types have the diameter of output shaft 3,2 mm.

The packaging of gearbox includes: the planetary gearbox, pinion wheel, flange, 2 pcs of screws for mounting the gearbox to model, 2 pcs of screws for mounting of electromotor and the instruction manual.

MPJ	8050	Planetary gearbox 3,33:1 for Speed 400
MPJ	8051	Planetary gearbox 3,33:1 for Speed 480
MPJ	8053	Planetary gearbox 3,33:1 for Speed 500, 600
MPJ	8054	Planetary gearbox 3,33:1 for Sagami 650
MPJ	8060	Planetary gearbox 3,8:1 for Speed 400
MPJ	8061	Planetary gearbox 3,8:1 for Speed 480
MPJ	8063	Planetary gearbox 3,8:1 for Speed 500, 600
MPJ	8064	Planetary gearbox 3,8:1 for Sagami 650
MPJ	8065	Planetary gearbox 3,8:1, shaft 3,2 mm dia, for Speed 400
MPJ	8066	Planetary gearbox 3,8:1, shaft 3,2 mm dia, for Speed 480

MPJ	8067	Planetary gearbox 3,8:1, shaft 3,2 mm dia, for Speed 500, 600
MPJ	8068	Planetary gearbox 3,8:1, shaft 3,2 mm dia, for Sagami 650
MPJ	8070	Flange for Speed 400
MPJ	8071	Flange for Speed 480
MPJ	8073	Flange for Speed 500, 600
MPJ	8074	Flange for Sagami 650
MPJ	8080	Pinion wheel 18 tooth, 2,3 mm dia, for 3,33:1
MPJ	8081	Pinion wheel 18 tooth, 3,2 mm dia, for 3,33:1
MPJ	8082	Pinion wheel 15 tooth, 2,3 mm dia, for 3,8:1
MPJ	8083	Pinion wheel 15 tooth, 3,2 mm dia, for 3,8:1

MOUNTING OF THE ELECTROMOTOR

If it is necessary, you may need to arrange the length of the electromotor shaft (see the drawing on the second side). Use suitable glue (such as Loctite 638 or Weicon LOCK AN 306-38) to glue the pinion wheel on the electromotor shaft. Then mount the flange (screws are in the plastic bag) to electromotor. The type of the flange and mounting screws have to correspond with the type of your electromotor. To complete of the assembly electromotor-pinion wheel-flange) you lock in thread M27x0,75 mm (by using one drop of suitable thread locking, such as Loctite 222 or Weicon LOCK AN 302-22) and screw it to the gearbox body. This completed gearbox with electromotor can now be mounted to the model.

MOUNTING TO MODEL

You mount the gearbox on the standard firewall with PAN HEAD screws M3x8. The thickness of the firewall is necessary to be adapted based on the weight and power of your electromotor. Ensure good air cooling for electromotor and gearbox. The exhaust hole for the heat air has to be bigger or at least the same as air inlets.

MAINTENANCE

Lubricate the ball bearing with good light machine oil, for gears Kluber SYNTH GE46-1200 (greased from manufacture) is recommended. For greasing the gears (teeth) quality PTFE type grease can be used. PTFE type grease is not suitable for lubrication of the driver pins. For these pins (inside the satellites) very good quality grease for high speed and high temperature plain bearing has to be used. The Kluber SYNTH GE46-1200 baryum type is the finest solution. The recommended greasing period is approximately 1-2 hours in dependence on the electromotor power. Please, do not forget that grease is very exorted, so if the gearbox has a noise, it is high time to clean and add a new greasing. For cleaning please use light technical petrol, after cleaning and greasing assembly the gearbox mounting (see up).

OTHER TYPES OF MP JET GEARBOXES

FOR ELECTROMOTORS "280" SIZE		
MPJ	8000	Gearbox SF280 5:1, pinion wheel 2 mm dia
MPJ	8001	Gearbox SF280 4,5:1, pinion wheel 2 mm dia
MPJ	8002	Gearbox SF280 4,1:1, pinion wheel 2 mm dia
MPJ	8003	Gearbox SF280 3,75:1, pinion wheel 2 mm dia
MPJ	8004	Gearbox SF280 3,5:1, pinion wheel 2 mm dia
MPJ	8005	Gearbox SF280 BB 5:1, pinion wheel 2 mm dia
MPJ	8006	Gearbox SF280 BB 4,5:1, pinion wheel 2 mm dia
MPJ	8007	Gearbox SF280 BB 4,1:1, pinion wheel 2 mm dia
MPJ	8008	Gearbox SF280 BB 3,75:1, pinion wheel 2 mm dia
MPJ	8009	Gearbox SF280 BB 3,5:1, pinion wheel 2 mm dia
MPJ	8020	Pinion wheel 9 tooth, 2 mm dia, for 5:1
MPJ	8021	Pinion wheel 10 tooth, 2 mm dia, for 4,5:1
MPJ	8022	Pinion wheel 11 tooth, 2 mm dia, for 4,1:1
MPJ	8023	Pinion wheel 12 tooth, 2 mm dia, for 3,75:1
MPJ	8024	Pinion wheel 13 tooth, 2 mm dia, for 3,5:1
MPJ	8035	Front adapter for 280, 300 size
MPJ	8036	Locking tie set for 280 size
FOR ELECTROMOTORS "300" SIZE		
MPJ	8041	Gearbox "300" 5:1, pinion wheel 2 mm dia
MPJ	8042	Gearbox "300" 4,5:1, pinion wheel 2 mm dia
MPJ	8043	Gearbox "300" BB 5:1, pinion wheel 2 mm dia
MPJ	8044	Gearbox "300" BB 4,5:1, pinion wheel 2 mm dia
MPJ	8020	Pinion wheel 9 tooth, 2 mm dia, for 5:1
MPJ	8021	Pinion wheel 10 tooth, 2 mm dia, for 4,5:1
FOR ELECTROMOTORS "400" SIZE		
MPJ	8011	Gearbox "400" STD 4,1:1, pinion wheel 2,3 mm dia
MPJ	8012	Gearbox "400" STD 3,5:1, pinion wheel 2,3 mm dia
MPJ	8013	Gearbox "400" STD 3:1, pinion wheel 2,3 mm dia
MPJ	8014	Gearbox "400" STD 2,33:1, pinion wheel 2,3 mm dia
MPJ	8016	Gearbox "400" BB 4,1:1, pinion wheel 2,3 mm dia
MPJ	8017	Gearbox "400" BB 3,5:1, pinion wheel 2,3 mm dia
MPJ	8018	Gearbox "400" BB 3:1, pinion wheel 2,3 mm dia
MPJ	8019	Gearbox "400" BB 2,33:1, pinion wheel 2,3 mm dia
MPJ	8026	Pinion wheel 11 tooth, 2,3 mm dia, for 4,1:1
MPJ	8027	Pinion wheel 13 tooth, 2,3 mm dia, for 3,5:1

MPJ	8028	Pinion wheel 15 tooth, 2,3 mm dia, for 3:1
MPJ	8029	Pinion wheel 18 tooth, 2,3 mm dia, for 2,33:1
MPJ	8037	Front adapter for 400 size
MPJ	8038	Locking tie set for 400 size
FOR ELECTROMOTORS "480" SIZE		
MPJ	8100	Gearbox "480" STD 4,1:1, pinion wheel 3,2 mm dia
MPJ	8101	Gearbox "480" STD 3,5:1, pinion wheel 3,2 mm dia
MPJ	8102	Gearbox "480" STD 3:1, pinion wheel 3,2 mm dia
MPJ	8103	Gearbox "480" BB 4,1:1, pinion wheel 3,2 mm dia
MPJ	8104	Gearbox "480" BB 4,1:1, pinion wheel 3,2 mm dia
MPJ	8105	Gearbox "480" BB 3,5:1, pinion wheel 3,2 mm dia
MPJ	8106	Gearbox "480" BB 3:1, pinion wheel 3,2 mm dia
MPJ	8107	Gearbox "480" BB 2,33:1, pinion wheel 3,2 mm dia
MPJ	8108	Pinion wheel 11 tooth, 3,2 mm dia, for 4,1:1
MPJ	8109	Pinion wheel 13 tooth, 3,2 mm dia, for 3,5:1
MPJ	8110	Pinion wheel 15 tooth, 3,2 mm dia, for 3:1
MPJ	8111	Pinion wheel 18 tooth, 3,2 mm dia, for 2,33:1
MPJ	8037	Front adapter for 400, 480 size
FOR ELECTROMOTORS "500-650" SIZE		
with body diameter 35,5 mm		
MPJ	8120	Gearbox "500-650" BB 2,8:1, pinion wheel 3,2 mm dia
MPJ	8121	Gearbox "500-650" BB 2,33:1, pinion wheel 3,2 mm dia
MPJ	8122	Gearbox "500-650" BB 1,75:1, pinion wheel 3,2 mm dia
MPJ	8123	Pinion wheel 15 tooth, 3,2 mm dia, for 2,8:1
MPJ	8124	Pinion wheel 18 tooth, 3,2 mm dia, for 2,33:1
MPJ	8125	Pinion wheel 24 tooth, 3,2 mm dia, for 1,75:1
MPJ	8126	Front adapter for 500-650 size
MPJ	8127	Locking tie set for 500-650 size
ACCESSORIES FOR GEARBOXES		
MPJ	8030	Collet prop adapter 14,5 mm dia, for 3 mm shaft, M5/22
MPJ	8031	Collet prop adapter 14,5 mm dia, for 3 mm shaft, M5/27
MPJ	8032	Propeller nut small M5
MPJ	8033	Collet 3 mm dia, M5/22 for prop adapters 14,5 mm dia
MPJ	8034	Collet 3 mm dia, M5/27 for prop adapters 14,5 mm dia
MPJ	4703	Collet prop adapter 19 mm dia, for 4 mm shaft, M6/29
MPJ	4683	Collet 4 mm dia, M6/29 for prop adapters 19 mm dia