

When you order, refer to www.didel.com/Order.xls for available parts and prices.
Just fill-in the quantities

We hope you appreciate our approach. We hate these list of products spread over pages and pages: no global view, no quick access. We are not satisfied, but it should help you. Say us what general or detailed information you miss.


Documentation and comments, see the colored areas on Order.xls

(g1)	<p>We invested in a coherent family of gears, modulo 0.2 and 0.3. Pinions have bore diameter compatible with motors, and gears compatible with pins, dia 0.74 to 0.76, or can be press-fit in a shaft 0.8mm (or any diameter you may drill.) Motors with shaft 0.6, 0.7, sometimes 0.8mm move inside if press-fitted. Pinions have to be glued with thin CA. Gears size and spaces between gears: www.didel.com/07gears/Microgears.pdf No CAD drawing is available.</p>	
(g2a)	<p>Pager motors (we ask them without mass) are documented for vibrations, not for torque. Efficiency is 50 to 70%. Specifications does not exist for these motors. They are usually overpowered. A study was carried in 2005 and is still partly valid www.didel.com/microkit/moteurs/Motors.html</p>	
(g2b)	<p>The stepping motors we sell are well documented on http://www.vid.wellgain.com/serie29. They can be driven directly by a microcontroller output. We can get any of the Wellgain motors, if quantities are large enough.</p>	
(g2c)	<p>Our geared motors have been selected for their low power, that is a coil resistance of 10 Ohm and more, that allow cheap batteries, USB as power source. 7mm motors are available from 1.7 Ohm (short lifetime is not well cooled). We have some documentation with references to manufacturer, in French only www.didel.com/MoteursPub.pdf</p>	
(g3)	<p>Our magnets are Grade 35 to 40 NeFeBo. An idea of the force is given in the obsolete file www.didel.com/07mag/</p>	
(g4)	<p>We have ball bearings, and almost as efficient brass bearings But our idea for planes of less than 10 grams is to connect the propeller directly on the pinion, so a simple pin can be used as shaft. Mostly for miniature constructions and robots, we have washers and quicklock washers. See also www.didel.com/07mag/ for pictures. We have also that old doc to be rewritten www.didel.com/microkit/axis/Axis.html</p>	
(g5)	<p>Conical reamers are useful to slightly enlarge a hole. Four reamers go from 0.2 to 1.8mm. They have no handle, so you can put them in a drill. You can add an handle out of wood or plastic tube, but we have also a set with handles. The tools we provide are difficult to find. Sorry still in French: www.didel.com/OutilsPub.pdf</p>	
(g6)	<p>IR transmitters and receivers are very low cost and very light, great for small robots. The Mir1, 0.7g 2-channels receiver is out of stock. Ask and we will develop an equivalent model, also accepting directly a Bami05 lipo. The Mir4/Ub4 is still widely used for microrobots www.didel.com/Ir/Mir4.pdf</p>	
(g7)	<p>Propellers and gearboxes. We had decided last year to stop with these, but after a significant drop, there is a sustained interest for ultralight planes powered by supercap, in need of a quite efficient design. Direct drive is unefficient; one need a good motor/gearbod/propeller match. This document is obsolete: www.didel.com/ReducersPub.pdf see http://www.didel.com/NewGbox.pdf</p>	

(g8)	<p>BIRD actuators. we guess we have a good solution www.didel.com/vole/PolyBIRD.pdf</p> <p>See also that old torque comparizon: www.didel.com/GordonBirds.xls</p>	
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(g9)	<p>Bahoma is very convenient to avoid a difficult to insert connector and a switch. See www.didel.com/vole/BapiLipo.pdf Bapi and Bami pieces make it easy to do the connections. We developped the successful Bicha www.didel.com/07charger/Bicha2.pdf . The Ucha are good if you have a close-by PC: www.didel.com/07charger/Ucha.pdf http://www.didel.com/ChargersPubE.pdf Test your Bahoma Lipo under charge, better than voltage www.didel.com/07charger/QuickTester.pdf Eggy was influenced by a customer to have many connectors compatibles with Lipos equipped with a Molex connector. http://www.didel.com/vole/Eggy.pdf</p>	
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(g10)	<p>Postage and delivery delays Air-mail postage from Switzerland depends on thickness and weight. Below 100 grams and 2cm (20 motors plus gears) we charge 8 CHF. For a packet of 500 grams, cost is 26 CHF. Delivery delay is 3-4 days in Europe and for Japan, 2 weeks for US and Asia, 3-4 weeks for China. DHL or Fedex is about 100 CHF for 500g.</p> <p>We accept Paypal, Visa and Mastercard. We charge in CHF. This is converted into your local money and you should not be overcharged (we pay 4% on our side).</p>	
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<p>Quantity discount for all customers</p> <p>100 pieces of most gear 30%</p> <p>50 pieces of Mk06-4.5 20%</p> <p>50 pieces of Mk07-10 20%</p> <p>20 pieces of GWS2508 propeller 40%</p> <p>20 pieces of the PC46 40%</p> <p>These are the only overstocked pieces we have, do not ask for special deal for others parts if you are not a distributor.</p>	
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