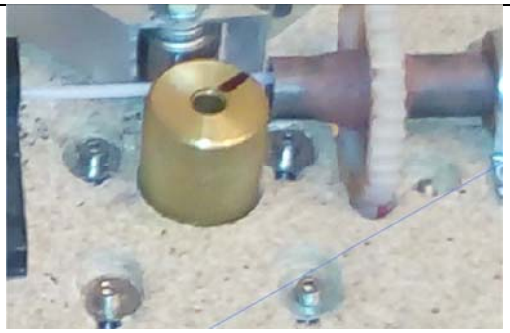
Bender v.1 Info		
feedMotor		**Motor steps par 1 revolution** **m1** = 200 steps **Gear Box Ratio** **r1** = 10 **Motor Mode** **md1** = **½** **Diameter of wheel** **dw** =30.4 mm **feedDrive steps par 1 revolution (spr1)** **spr1 = (m1*r1)/md1** **spr1** = (200*10)/0.5=4000 steps **feedDrive steps par 1 mm length (L)** $s_p_mm1 = spr1 * \frac{L}{dw * \pi}$ $s_p_mm1_{1mm} = 4000 * \frac{1}{30.4 * 3.1415} = 41.88$
bendMotor		**Motor** **m2 = 200 steps** **Gear Box Ratio** **r2 = 10** **Motor Mode** **md2** = **½** *** Diameter of gear1** 0.752” **Tooth number of gear1** **12** *** Diameter of gear1** **2.25”** **Tooth number of gear1** **36** **Ratio gear2/gear1** $rg21$ =**3** **bendDrive steps par 1 revolution (spr2)** **spr2 = (m2*r1)/md1** $spr2 = \frac{m2 * r2}{md2} * rg21$ $spr2 = \frac{200*10}{0.5} * 3 = 12000$ steps **bendDrive steps number par 1 degree** $s_{p_{deg}} = spr2 * \frac{\propto}{360} = 33,33$
		06.04.2016 by Vladimir 60m24h@gmail.com