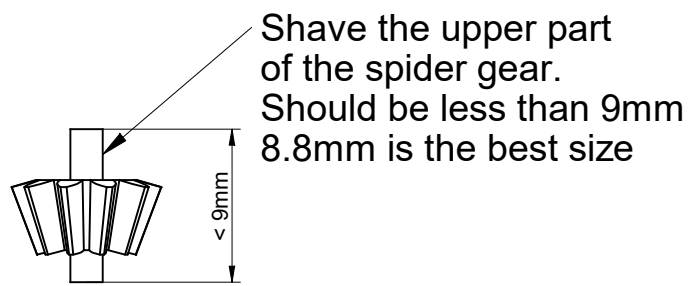
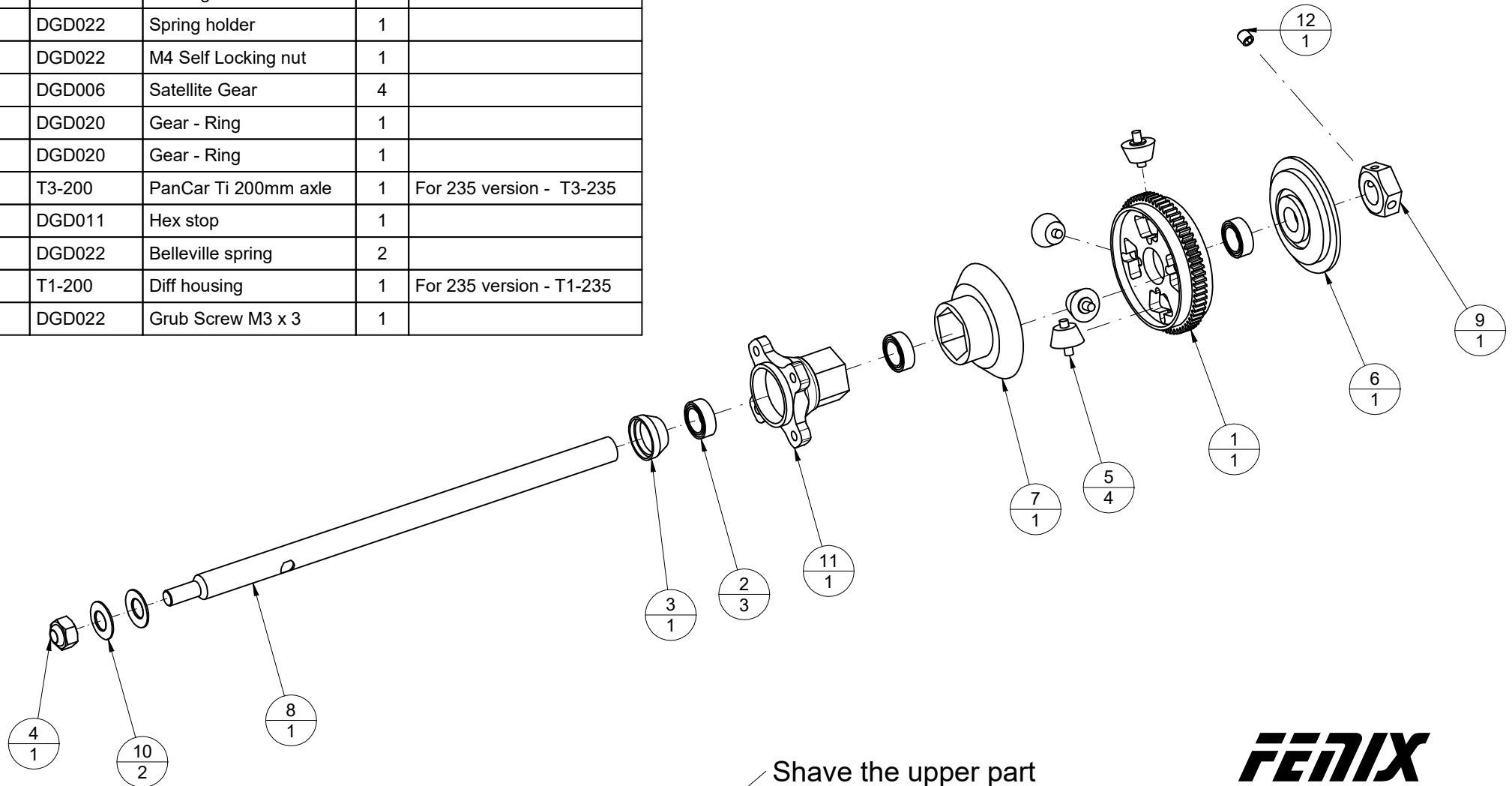


Item	CPN	Description	QTY	Note
1	DGD001-92	Spur Gear 92 teeth 64dp	1	Several Options
2	DGD023	Bearing 1/4" x 3/8" x 1/8"	3	
3	DGD022	Spring holder	1	
4	DGD022	M4 Self Locking nut	1	
5	DGD006	Satellite Gear	4	
6	DGD020	Gear - Ring	1	
7	DGD020	Gear - Ring	1	
8	T3-200	PanCar Ti 200mm axle	1	For 235 version - T3-235
9	DGD011	Hex stop	1	
10	DGD022	Belleville spring	2	
11	T1-200	Diff housing	1	For 235 version - T1-235
12	DGD022	Grub Screw M3 x 3	1	



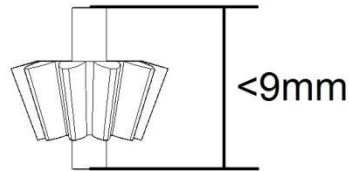
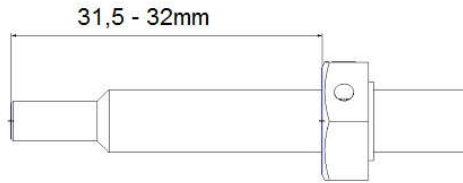
**FENIX**  
**PANCAR**  
**GEAR DIFF**

For more instructions:  
[www.fenixracingshop.com](http://www.fenixracingshop.com)

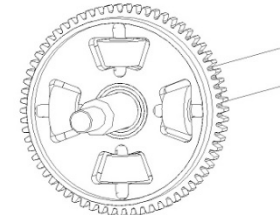


# FENIX GEAR DIFF

## Assembly note

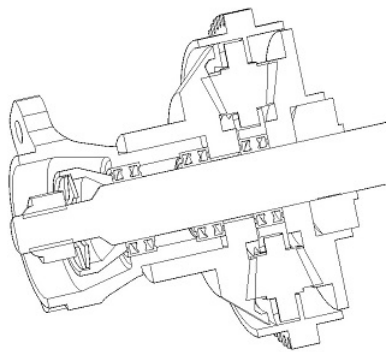


Please, check the dimension of the pinion, shave the upper part, in order to be shorter than 9mm

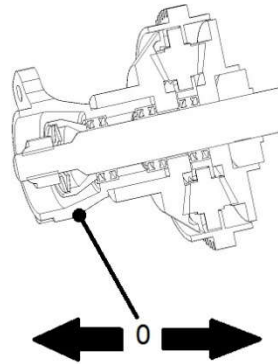


Install the 4 pinions.  
First Run-In should be done using a light oil on the pinions. Drive few minutes slowly. Then open and clean it.  
Tarmac: use any lubricant, from Teflon oil up to 1.000.000 grease.  
Carpet: use 500.000 to 1.000.000.

Be sure that the Hex driver sit at the right distance. The grub screw should be tight in the center of the flat spot on the shaft



Install the bearings, springs, pressure plate and nut as shown  
Close the differential



It's important that T1 is having almost no movement. Tightness of diff is NOT adjusted by this nut!  
Take your time setting the spring tension. You shouldn't get any mechanical "lock".  
A little run-in done by hand will improve the seating of the pinions.

### Settings:

"Hardness" of the differential is achieved by grease hardness. Best results are achieved by run-in the diff for a couple of batteries. Do not put too much grease... the diff will self bleed any unnecessary grease... if the handling seems erratic, clean the diff from the grease and re-start with less grease

After the first run-in you might want to increase the CTS of the grease.

Don't forget that the diff will be "solid" under acceleration so you might have to setup your model car accordingly. The diff will improve also braking of the model car. Better results are achieved by using a grease with a good thermal stability:  
If you drive over the kerbs, an higher grease will reduce the chances of spin.