

# Over Range CVT Components And More

Info From The Best Results With Each Pulley  
(From 90GTVert of 49ccScoot.Com & 49ccscoot.proboards.com)

## Malossi Over Range Rear Pulley

**Malossi OR w/1mm Spacer, 7g, Malossi OR Rear Pulley, 40° Grooves, 139QMB 1K Contra, 1K Clutch Springs, Malossi OR Belt**

11.48 0-40MPH Avg  
2.81mm Mark (53MPH 9,300RPM+)  
50MPH @ 9,200-9,300RPM  
Accel 9000 - 9,100RPM  
50MPH Avg WOT Cruise

**Malossi OR w/o Spacer, 7g, Malossi TD 40° Grooves, 139QMB 1K Contra, 1000 Clutch, MBELT**

12.11 0-40MPH Avg  
3.10mm Mark (52MPH)  
50MPH @ 9,200-9,300RPM  
Accel 9,000 - 9,100RPM  
50MPH Avg WOT Cruise

## Morini Rear Pulley

**Malossi OR Vari w/1mm Spacer, Morini TD, 8g, OJ Contra, 1000 Clutch, MBELT**

12.86 0-40MPH Avg  
2.15mm Mark (53MPH)  
50MPH @ 9,200-9,300RPM  
Accel 8,800 – 9,000RPM  
48-50MPH (49MPH) Avg WOT Cruise  
Feels like a shift @ 50MPH and drops 200-300RPM. (Happened with all setups using the Morini pulley.)

**Malossi OR Vari w/1mm Spacer, Morini TD, 8g, OJ Contra, 1500 Clutch, MBELT**

12.46 0-40MPH Avg  
3.11mm Mark (51MPH) (3.42mm also noted on short test @ 50MPH max)  
50MPH @ 9,200-9,300RPM  
Accel 8,800-9,000RPM  
49MPH Avg WOT Cruise

**Malossi OR Vari w/1mm Spacer, Morini TD, OJ Contra, 8g, 1500 Clutch, BANDO**  
13.75 0-40MPH Avg  
6.03mm Mark  
50MPH @ 9,300RPM+  
Accel 8,800-9,000RPM  
48MPH Avg WOT Cruise

## **Stock (Mod) Rear Pulley**

**Malossi OR Vari w/1mm Spacer, Stock (Mod) TD, OJ Contra, 8g, 1500 Clutch, MBELT**  
13.12 0-40MPH Avg  
2.90mm Mark (52MPH)  
50MPH @ 8,800-8,900RPM  
Accel above 9,000RPM, shift, 8,700-8,800RPM to 40MPH  
Very slow off the line (first 10MPH).  
48-49MPH Avg WOT Cruise

**Malossi OR Vari w/1mm Spacer, Stock (Mod) TD, OJ Contra, 7g, 1500 Clutch, BANDO**  
12.58 0-40MPH Avg  
5.95mm Purple Mark (50MPH)  
50MPH @ 9,200RPM  
Accel low-mid 9,000RPM range, shift, ~9,000RPM to 40MPH  
Shorter belt eliminated a lot of bog on take off.  
48-49MPH Avg WOT Cruise

**Hoca Vari w/o Spacer, 4.5g, Mod Face (Steady), Stock (Mod) TD, OJ Contra, 1500 Clutch, BANDO**  
14.08 0-40MPH Avg  
3.99mm Black Mark (51MPH)  
50MPH @ 9,100RPM  
Accel 9,200RPM, shift, 8,900RPM to 40MPH  
Poor launch.  
48MPH Avg WOT Cruise

**Hoca Vari w/2mm Spacers, 4.75g, Mod Face (Steady), Stock (Mod) TD, OJ Contra, 1500 Clutch, BANDO**  
13.07 0-40MPH Avg  
4.05mm Black Mark (50MPH)  
50MPH @ 9,200+RPM  
Accel ~9,200RPM, shift, 8,800-8,900RPM to 40MPH.  
48MPH Avg WOT Cruise  
\*5g weights dropped 50MPH RPM by 150-200RPM, but added 0.3 seconds 0-40MPH. Better everyday setup prob, with very near the best accel.

## All Stock CVT

### **Stock CVT w/o Spacer, 4g, OJ Contra, 1500 Clutch, BANDO**

13.10 0-40MPH Avg  
4.76mm Black Mark (52MPH)  
50MPH @ 9,100RPM, 51MPH @ 9,200RPM  
Accel 9,000+RPM, shift, 8,200-8,600RPM to 40MPH  
47MPH Avg WOT Cruise

### **Stock CVT w/1mm Spacer, 5g, OJ Contra, 1500 Clutch, BANDO**

13.22 0-40MPH Avg  
8.07mm Black Mark (47MPH)  
9,500RPM @ 45MPH  
44-45MPH Avg WOT Cruise

## Piaggio Rear Pulley

### **Malossi OR Vari w/1mm Spacer, Piaggio TD, 7g, OJ Contra, 1500 Clutch, MBELT**

12.21 0-40MPH Avg  
2.76mm Black Mark (51MPH @ 9,100RPM)  
50MPH @ 9,000 - 9,100RPM  
Accel 9,100-9,200RPM, shift, 8,700-8,800RPM to 40MPH  
48MPH Avg WOT Cruise

### **Hoca Vari w/2mm Spacers, Piaggio TD, 4.75g, OJ Contra, 1500 Clutch, MBELT**

13.10 0-40MPH Avg  
2.52mm Black Mark (53MPH @ 9,300RPM)  
50MPH @ 9,100RPM  
Accel 9,500RPM, shift, 8,900-9,000RPM to 40MPH  
48MPH Avg WOT Cruise

### **Hoca Vari w/2.5mm Spacers, Flat Mod Face, Piaggio TD, 4.5g, OJ Contra, 1500 Clutch, MBELT**

13.36 0-40MPH Avg  
2.52mm Black Mark (50MPH)  
50MPH @ 9,100RPM  
Accel 9,500-9,600RPM, shift, 8,900-9,000RPM to 40MPH  
48MPH Avg WOT Cruise

### **Hoca Vari w/2.5mm Spacers, Flat Mod Face V2, Piaggio TD, OJ Contra, 1500 Clutch, 4.5g, MBELT**

12.78 0-40MPH Avg  
2.15mm Black Mark (53MPH)  
50MPH @ 9,100RPM  
Accel 9,600RPM, shift, 8,700-8,800RPM to 40MPH  
48MPH Avg WOT Cruise

**Hoca Vari w/2mm Spacers, Mod Face(steady), Piaggio TD, OJ Contra, 1500 Clutch, 4.5g, BANDO**

11.96 0-40MPH Avg

4.04mm Black Mark (51MPH)

50MPH @ 9,400+RPM

Accel 9,300RPM, shift, 8,500-8,800RPM to 40MPH

48MPH Avg WOT Cruise

## **139QMB Rear Pulley**

**Hoca Vari w/2mm Spacers, Mod Face (Steady), 4T TD, 5g, 139QMB 1K Contra, 1500 Clutch, BANDO**

13.38 0-40MPH Avg

3.65mm Black Mark (51MPH @ 9,400RPM)

50MPH @ 9,300+RPM

Accel 8,700-9,000RPM to 40MPH

48MPH Avg WOT Cruise

\*Tried 2.5mm spacers, but RPM @ 50MPH raised by 100-150 and time was essentially the same 0.05 seconds quicker to 40MPH.

**Malossi OR Vari w/1mm Spacer, 4T TD, 139QMB 1K Contra, 1500 Clutch, 7.5g, BANDO**

12.79 0-40MPH Avg

4.84mm Black Mark (52MPH @ 9,400-9,500RPM)

50MPH @ 9,300 - 9,400RPM

Accel 8,800-9,100RPM to 40MPH

48MPH Avg WOT Cruise

\*8g rollers drop 50MPH RPM by 200, but 0.3-0.4 seconds slower to 40MPH.

**Malossi OR Vari w/1mm Spacer, 4T TD, 139QMB 1K Contra, 1500 Clutch, 7.5g, MBELT**

14.45 0-40MPH Avg

2.77mm Black Mark (53MPH @ 9,300+RPM)

50MPH @ 9,100 - 9,200RPM

Accel 8,800-9,000RPM to 40MPH, after bogging off the line.

49MPH Avg WOT Cruise

Slack in belt.

## **Hoca Rear Pulley**

**Malossi OR w/1mm Spacer, Hoca TD Groove 1, OJ Contra, 1500 Clutch, 7.5g, BANDO**

12.78 0-40MPH Avg

5.5mm Black Mark (52MPH @ 9,400+RPM)

50MPH @ 9,300 - 9,400RPM

Accel 8,800-9,100RPM to 40MPH

48MPH Avg WOT Cruise

\*8g rollers drop 50MPH RPM by 100, but 0.3 seconds slower to 40MPH.

**Hoca Vari w/2mm, Mod Face(steady), Hoca TD Groove 1, OJ Contra, 1500 Clutch, 5.5g, BANDO**

13.04 0-40MPH Avg

4.39mm Black Mark (51MPH @ 9,200+RPM)

50MPH @ 9,200RPM

Accel 8,800-8,900RPM to 40MPH

48MPH Avg WOT Cruise

**Malossi OR w/1mm Spacer, 8g, Hoca TD Groove 3, OJ Contra, 1500 Clutch, BANDO**

12.14 0-40MPH Avg

5.09mm Black Mark (51MPH @ 9,300-9,400RPM)

50MPH @ 9,300 - 9,400RPM

Accel 8,800-9,000RPM to 40MPH

48MPH Avg WOT Cruise

**For more info check out :**

**<http://49ccscoot.proboards.com>**

**<http://www.49ccscoot.com>**

**<http://www.youtube.com/user/90gtvert>**