

Rekluse Motor Sports
z-Start Pro Tuning Chart
Yamaha YFZ450
Yamaha YFZ450R

198-874
Manual Revision: 042409

Engagement RPM	Engagement Rate	Spring(s)	Balls YFZ450	Balls YFZ450R
MEDIUM*	HARD*	C200L4 & C150L4	27	24
	Soft	C200L4 & C150L4	24	21
HIGH	Hard	C200L4 & C150M3	27	24
	Soft	C200L4 & C150M3	24	21

***- Medium/Hard is the recommended initial setting.**

Important Tuning Tip: Idle setting is a *critical* component in tuning your z-Start Pro. Setting your idle speed *at or slightly above* your Engagement RPM will yield engine braking close to stock. Setting your idle speed *below* your Engagement RPM will yield more of a freewheeling effect.

Notes:

- The pattern for the **24 ball setup** is **8 balls followed by 1 empty slot**
- The pattern for the **21 ball setup** is **7 balls followed by 2 empty slots**
- Empty slots **must** be evenly spaced around the pressure plate
- For harder hookup on YFZ450R, use 27 ball arrangement

Definition of Terms

Engagement RPM Low, Medium, High	Refers to the engagement RPM of the clutch, i.e. the RPM at which the clutch starts to engage and move the bike forward. Low gives an engagement point at or below a normal engine idle speed. High raises the engagement point to above a normal engine idle speed. In general , off-road riders prefer a low-to-medium engagement RPM, while motocross riders prefer a medium-to-high engagement RPM.
Engagement Rate Hard, Soft	Refers to the engagement rate of the clutch. Hard gives full clutch lockup more quickly than Soft and therefore makes the bike feel more snappy. To maximize clutch plate life you should use Hard settings, as Soft settings allow the clutch to slip more.