

# CLUTCH ASSEMBLIES



### **NEW NO-CORE CLUTCH PROGRAM**

### **HEAVY DUTY - EASY EFFORT®**

The EASY EFFORT<sup>®</sup> clutch line decreases pedal effort required once the clutch has reached the disengagement point. The combined effort of the 6 pressure springs with the 3 extra assist springs allows for a 30% reduction.





#### **TORQUE PERFORMANCE CLUTCHES**

The built in rocker design extends the clutch's lifespan by regulating the spring's compression, preventing the window from damaging it.

Alliance offers **high torque** clutches for applications requiring 2050 ft/lbs of torque or greater. Alliance Torque Performance Clutches are designed with a 6-Paddle / 6-Spring disc and includes a Spline Saver to increase clutch strength.

### **SELF ADJUSTING - AUTOSET CLUTCH®**

The AUTOSET CLUTCH<sup>®</sup> improves on all previous available versions of self adjusting heavy duty clutches. With every push of the clutch pedal, clutches and the associated parts wear over time. The AUTOSET CLUTCH<sup>®</sup> compensates for wear by auto adjusting to maintain the clutch pedal freeplay.





Two heavy duty, high grade, stainless steel springs create a strong and balanced actuation.

#### **Over Adjustment Protection**

Two internal straps connect the clutch cover to the adjusting ring. The internal straps hold the ring and cams in place when shock to the truck occurs. (Dock collision or terrain impact).





### AMT OFFERINGS





### **DETROIT DT12 CLUTCH**

The DT12 clutch includes two options for both the 6 spring and 5-spring models. The organic friction material allows for a smooth engagement. The DT12 clutch will work in vehicles produced with DT12 transmissions manufactured 2012 to today.





### **VOLVO I-SHIFT / MACK mDRIVE**

The Volvo I-Shift / Mack mDrive clutches include two options, the first option for vehicles built with A, B, C, D, and E series transmissions, and the second option for F series transmissions. These units will work in vehicles with 11L and 13L engines.

### **MAXSHIFT CLUTCH**

The patented MAXSHIFT CLUTCH<sup>®</sup> improves on all previously available versions of UltraShift<sup>®</sup> clutches. The design incorporates a dual cam spring feature to provide a strong and balanced adjustment. The over adjustment protection feature will hold the adjustment in place should shock to the truck occur. The MaxShift Clutch includes an inertia clutch brake.



### **AMT**

The AMT offering is utilized with Endurant<sup>®</sup> transmissions. The diaphragm spring design provides for a maintenance free and adjustment free clutch. The release bearing is included with all Alliance AMT clutches.



# CLUTCH PARTS





INSPECTION PLATE COVERS



FLYWHEELS



**INSTALL KITS** 



FORKS



**CROSS SHAFTS & BUSHINGS** 



**INPUT SHAFTS** 



CLUTCH BRAKES



AMT CLUTCH ACTUATORS & SOLENOID VALVES



PILOT BEARINGS