



SADLER

POWER TRAIN
TRUCK PARTS & SERVICE



CLUTCH APPLICATIONS

AUTOMATED TRANSMISSION CLUTCHES



430mm Clutch for Volvo/Mack ISHIFT and M-DRIVE

NEW PART# 104460-1

1650 ft/lbs | 50x46x24N Spline | 6 Spring damper
Can be used on AT2412, AT2512, AT2612 & ATO2612 transmissions

NEW PART# 104461-1

1850 ft/lbs | 50x46x24N Spline | 5 Spring damper
Can be used on AT2412, AT2512, ATO2512, AT2612 & ATO2612 transmissions



Automated Clutch Systems

The clutch systems of the UltraShift®, UltraShift® PLUS and Fuller® Advantage Series transmissions are a fundamental piece of these transmission upgrades.



DM Clutches:

- Centrifugal design relies on engine RPM for engagement.
- Provides smooth engagement.

NEW PART# 121000-1
REMAN PART# MU121000



ECA Clutches:

- Ensure performance and efficiency with new Electric Clutch Actuation and intelligent shift selection software.
- Enables better launch and shift decisions through grade sensing, weight computation and driver throttle commands.

REMAN PART# MU122002



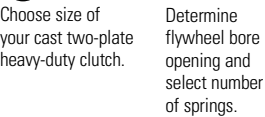


Heavy Duty Clutch Selector

1 Self-adjusting clutches are recommended for trucks with hydraulic linkage to reduce the risk of drivetrain damage.

	Spline Dia. - No. of Splines	Flywheel Bore Opening	No. of Springs / Damper Type	Clutch Torque lb-ft (must equal or exceed engine torque)	Facing	Best		Better		Good		
						Original Equipment Specifications (Pre-damper suffix in parentheses)		Aftermarket Specifications		Remanufactured		
						Advantage® Self-Adjust	Easy Pedal Advantage® Manual Adjust	EverTough® Self-Adjust	EverTough Manual Adjust	Solo® Self-Adjust	Easy Pedal® Manual Adjust	
15.5 inch	2" - 10	7"	8	1400	4				108391-81AM		108391-81MO	
					Organic					108391-82MO		
		8.5"	10	1650	4				108391-74AM	109700-74MO	108391-74MO	
	10"	9 (Mack and Volvo 11L & 13L)	7	1650	4	309701-51	308925-51	109701-51AM	108935-51AM			
				1760	4				108935-61AM	109700-61MO	108935-61MO	
				1850	4	309701-68	308925-68					
				1650	6	309701-91	308925-91			108935-91AM		108935-91MO
				1760	6			109701-92AM				
				1850	6	309701-98	308925-98					
		7 / VCT Plus®	7	1700	4	309701-82	308925-82	109701-82AM	108925-82AM	109700-82MO	108935-82MO	
				1750	4	309701-24 (-34)	308925-24 (-34)					
			1860	4	309701-23	308925-23						
			1860	6	309701-20 (-30)	308925-20 (-30)						
			1860	6			109701-20AM	108925-20AM	109700-20MO	108935-20MO		
			2050	6			109701-25AM	108925-25AM	109700-25MO	108935-25MO		
2" - 14	10"	7 / VCT Plus	2050	6	309701-25 (-35)	308925-25 (-35)						
		7 / VCT Plus	2250	6	309708-32 (-42)	308937-32 (-42)						
14 inch	1.75" - 10	7"	8	1400	4		108063-59					
				950	6		108334-6					
	2" - 10	7"	8	1000	3	N/A		N/A		N/A	108034-61MO	
				1150	Organic						108034-82MO	
				1400	4						108050-59MO	
											108050-59MO	

2 Choose size of your cast two-plate heavy-duty clutch. **3** Determine flywheel bore opening and select number of springs. **4** Choose clutch torque. Rating in chart must be equal to or exceed engine torque rating. **5** Narrow clutch choice based on options. All part numbers in row meet your specs. **6** Choose from new or remanufactured.



Advantage Series 7-spring VCT Plus – Eaton’s premium damper, high torque capability with best-in-class vibration control

Advantage Series Pre-Dampers – effective at quieting neutral gear idle rattle (Pre-damper suffix in parentheses in the table above)

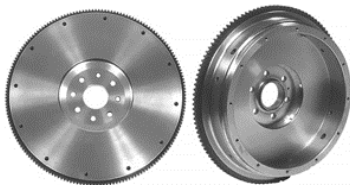
Estimated shipping weights: 15.5" = 150 lbs, 14" = 110 lbs

Please refer to the Roadranger Warranty Guide TCWY0900 for the latest warranty time and miles offering.

- Advantage Series**
 - Strap drive intermediate plate
 - Spring separator system
 - Original equipment specification
 - 2 year/unlimited mileage warranty
 - 50,000 mile lube interval
- EverTough**
 - Aftermarket specification
 - 1 year/unlimited mileage warranty
 - 25,000 mile lube interval
- Remanufactured**
 - Economy
 - 1 year/unlimited mileage warranty
 - Longer service life compared to rebuilt
 - Dual zerk

Eaton Clutch for Automated Transmission		
Product	Part No.	Clutch Torque lb-ft (must equal or exceed engine torque)
Heavy-duty DM Clutch	121000-1	1750
Heavy-duty ECA Clutch and LCIB	122002-35A	1850
	122003-42A	2250
430mm Clutch for Volvo/Mack	104460-1	1650
	104461-1	1850

SERVICE SMARTS



Be sure to replace or resurface your flywheel when you replace your clutch



Cedar Rapids
800-383-8238

Davenport
800-383-4213

Dubuque
800-747-0752

Waterloo
800-373-3035

"The Power of Service"

www.sadlerpowertrain.com

