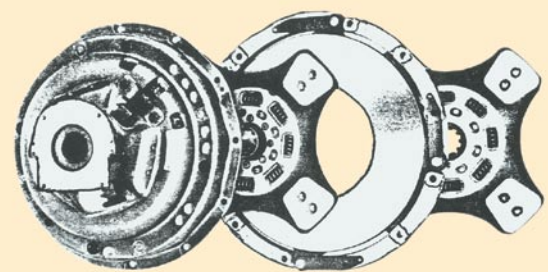


The Answer

D&W offers the solution to the problems inherent with the Spicer-type Stamped Steel clutch design with the aluminum flywheel adapter ring. (Eaton #107237-10)



We offer this replacement upgrade clutch which utilizes a free-floating center plate with a steel ring. We've eliminated the aluminum ring with the strapped-on center plate which is the true cause of release problems with this clutch. Our new part number is MU129044-26NCR and here it is:



D&W MU129044-26NCR benefits

- ▶ 20% more clutch life because the new center plate with the steel adapter ring allows for the usage of thicker friction material. Fewer clutch replacements equal less downtime!
- ▶ Its free-floating center plate works just like the ones used in Spicer-type cast-iron clutches resulting in cleaner release.
- ▶ Available new or remanufactured

Standard features of D&W Sure Shift (SS) 15½ clutches

- ▶ Coarse thread adjusting ring will not skip threads or seize up
- ▶ 125489 Depress-Turn-Lock HD adjuster
- ▶ Sealed release bearing
- ▶ Strap drive pressure plate
- ▶ Dual zerk fitting ports on all high torque units



Friction Materials Their Use and Applications

Introduction

Friction materials as a whole have changed as much as horse power and torque ratings have changed in the past few years. Each engine, driver, and driving condition is unique. D&W can customize clutches by plate load, torque capacity, and application to optimize your clutch service as we have for UPS, Waste Mgt., and BFI.

Ceramic

- Industry standard due to durability and reliability
- OE recommended for almost all applications due to life expectancy including severe service
- No soft engagement - In or out of gear
- Greater wear of driveline components, flywheel and pressure plate than other frictions
- D&W offers ceramic friction made by SK Wellman and Miba, OE suppliers to Eaton, for applications requiring 1650 torque and below.
- Used in dump trucks, refuse vehicles, off-road equipment, and heavy hauling in mountainous terrain such as loggers and coal mining.

Fibertuff

- Designed for smoother engagement than ceramic material & more durable than organic material
- Primarily used in stamped steel and 14" cast clutches
- Used in around-town mid-range delivery trucks

Organic

- Low to medium range applications
- Shorter life span than ceramic
- Ensures smooth engagement

Carbotic

- Ceramic type friction offering smoother engagement than standard ceramic
- Excellent heat dissipation resulting in longer life
- Handles high horsepower & torque ranges
- Reduces flywheel & clutch wear
- Manufactured by OE suppliers, SK Wellman and Miba
- Used in quarry dump trucks, heavy hauling on steep grades, frequent stops and starts, tractor pulls and truck racing applications
- D&W uses carbotic friction as a standard in all clutches rated at 1860 torque capacity and higher

Kevlar / Aramid

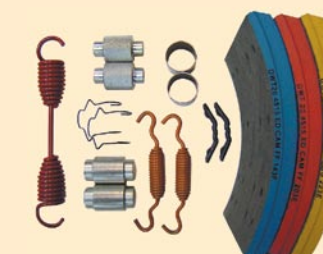
- Manufactured in the U.S. and is ISO & QS certified
- Can gain 2 to 5 times the life of ceramic
- Equal pulling capacity of ceramic
- Smooth engagement similar to organic
- Prolonged driveline component life (u-joints, shafts, splines, and gears)
- Reduced downtime for adjustments due to reduced flywheel and pressure plate wear
- Once Kevlar is in use, flywheel replacement may not be required for the life of the vehicle
- Recommended for over the road and some heavy hauling applications

D&W Heavy Duty Brake Shoes



D&W offers an expansive relined brake shoe program for the heavy-duty truck market in our delivery area. D&W brake friction is OE approved in 36 of the 54 countries in which it is sold. D&W has been an authorized reline center by Carlisle, Abex, Dana Spicer, and Brake Pro. All high-volume shoe

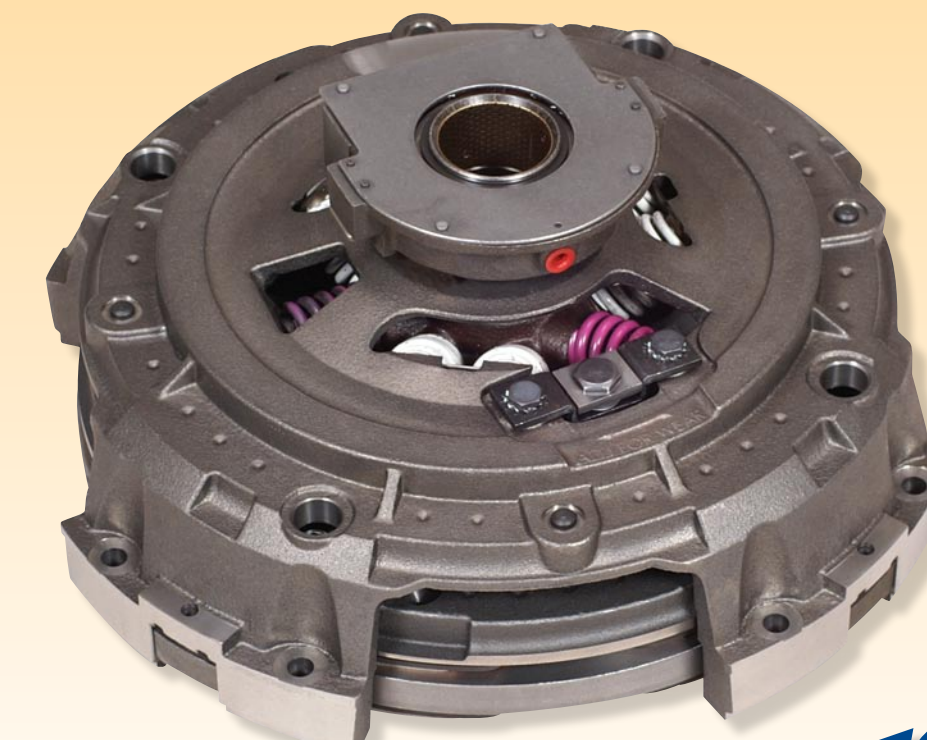
cores are stretch gauged and bulk quantity shoes are riveted with stroke and pressure measured, hydraulic, computerized riveting machines. Our brake shop also performs R&R services for riveted brake bands up to 6" wide using molded or woven non-asbestos lining. We can also help customers with bonded bands and small shoes requiring special friction materials.



DWT18	White	20k
DWT20	Blue	20k
DWT23	Red	23k
DWT25	Yellow	25k

REMANUFACTURED	NEW	Other	Friction
4100	4100	4100	23K
4101	4101	4101	23K
4102	4102	4102	23K
4103	4103	4103	23K
4104	4104	4104	23K
4105	4105	4105	23K
4106	4106	4106	23K
4107	4107	4107	23K
4108	4108	4108	23K
4109	4109	4109	23K
4110	4110	4110	23K
4111	4111	4111	23K

REMANUFACTURED	NEW	Other	Friction
4200	4200	4200	20K
4201	4201	4201	20K
4202	4202	4202	20K
4203	4203	4203	20K
4204	4204	4204	20K
4205	4205	4205	20K
4206	4206	4206	20K
4207	4207	4207	20K
4208	4208	4208	20K
4209	4209	4209	20K
4210	4210	4210	20K
4211	4211	4211	20K



SHIFT
TO QUALITY

D&W
CLUTCH AND BRAKE
SINCE 1980

"THE BEAST" D&W CLUTCH & BRAKE



This unit fits all vehicles built since 1989

SS10892525
2050 torque
4000 pound plate load
475-525 HP

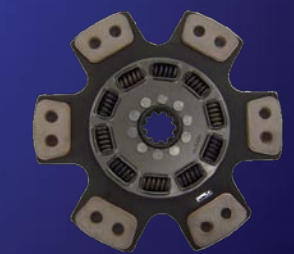
SS10892545
2250 torque
4250 pound plate load
525-600 HP

*Also available in Reman

- ▶ Will fit in a flywheel with 8½" and or 10" ID bore
- ▶ Can be used for all 6-paddle, high-torque applications, therefore consolidating SKU's by 75%!
- ▶ Will replace: 108391-93H, 108935-91, 108925-82H, 108925-20, 108925-25



**"Unleash the Beast"
in your truck today!**



D&W Product/Technical Support: 410-235-8829 or 800-406-0142

www.dwclutch.com

www.dwclutch.com

Clutch Specification GUIDE

to the Most Expansive Offering of New and Remanufactured Units for Heavy, Medium, and Light Duty Applications

Clutches ranging from one-ton pickups to tractor trailers!

D&W's Product Offering

- ▶ NEW and remanufactured Spicer-type clutches
- ▶ NEW and remanufactured medium-duty clutches
- ▶ NEW OE light-duty 10 to 13 inch SURE SHIFT clutch kits (Luk, Sachs, Daikin, Valeo, & Federal Mogul, etc.)
- ▶ NEW HD flywheels
- ▶ NEW solid flywheel conversion kits
- ▶ NEW Lipe push-type clutches
- ▶ NEW Angle-ring clutches
- ▶ NEW HD clutch installation kits
- ▶ NEW flywheel housings
- ▶ SELECT NEW import clutches
- ▶ NEW bell housing inspection cover plates with grease hoses
- ▶ Clutch brakes, pilot bearings, tools & components
- ▶ Any R&R unit (agricultural, industrial, off-road equipment, PTO and wet clutches, etc.) usually in a 24-48 hour window



D&W invites you to visit our web site at www.dwclutch.com to see our pictorial guide to clutch and flywheel identification, installation and driving videos, troubleshooting and failure analysis guides.

We remanufacture units using genuine OEM specifications and our components are supplied by OE approved suppliers. All intermediate plates are new! All medium and light-duty clutch discs are new and we give our customers the choice of new or remanufactured discs for all heavy-duty applications. All matched units have clutch assemblies adjusted on a simulated flywheel. Due to our attention to details, and because we follow all the manufacturers' specifications to the letter, we feel that we offer the finest remanufactured clutch in the U.S. We have achieved a true warranty rate on remanufactured units of approximately 1/5 of 1 % or about 1 out of every 500 units. Warranties of new units are even lower. Our one year unlimited mileage warranty matches Eaton's current aftermarket warranty policy. Failure to machine the flywheel will negate warranty. We also offer over 90 years of clutch remanufacturing experience for technical support and troubleshooting.

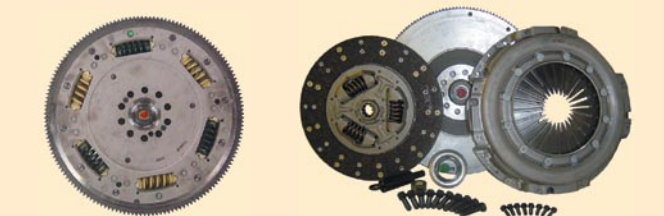
Automotive clutches, flywheels, master and slave cylinders and clutch forks are obtainable through our suppliers.

New Flywheels and Flywheel Housings



Available for Caterpillar, Cummins, Detroit, Ford, Mack, and Navistar

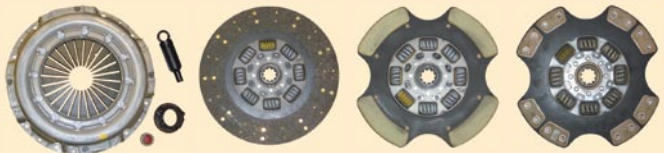
Conversion Kits from Dual Mass Flywheels



Ford and GM

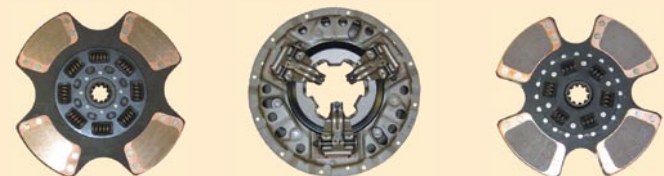
Solid flywheels with HD clutch kits

Ford and Dodge Heavy Duty Upgrade Kits



Ford:	07-113HD	07-113CXL	07-113CB
Dodge:	05-101	05-101CXL	05-101CB
	05-092HD	05-092CXL	05-092CB

New Angle Ring Type Clutches



For International, Freightliner, Isuzu, Hino and Mack Midliner.

New & Remanufactured Import Clutches



For Valeo, Isuzu, Mack Midliner, Hino, Mitsubishi, and UD.

15 1/2" CAST

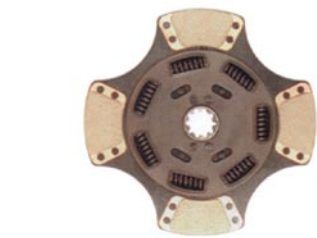
Horse Power Guideline

Engine Horse Power	Disc Torque Required
up to 425HP	1650
425 to 500HP	1860
500HP	2050

Check flywheel pilot bore diameter to assure disc accessibility.
Please review the flywheel pilot bore diameter guideline below.

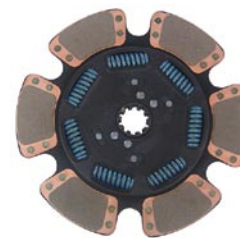


Available in
4000 pound plate load
3600 pound plate load
3200 pound plate load



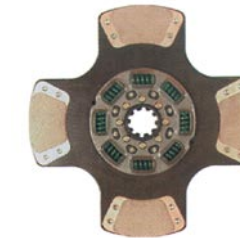
Type DCF-CO-FT
Spline 2" 10
Buttons 4 Ceramic
Springs 7
*Rated at 1750 w/4000# plate load

MU127597-76
MU128597-777*
SS108925-82B
Rated at 1700



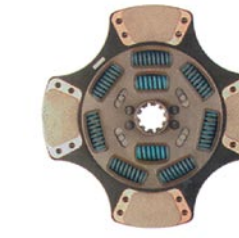
Type DCF-CO
Spline 2" 10
Buttons 6 Ceramic
Springs 7

MU128597-776
SS108925-82H
Rated at 1860



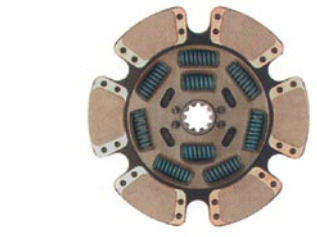
Type DCF-CO-FT
Spline 2" 10
Buttons 4 Ceramic
Springs 8

MU127597-26
SS108391-81B
Rated at 1400



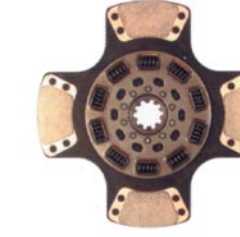
Type DCF-CO-FT
Spline 2" 10
Buttons 4 Ceramic
Springs 9
*Rated at 1650 **Rated at 1760 w/4000# plate load

MU127597-96*
MU128597-61**
SS108935-51*
SS108935-61**



Type DCF-CO-FT
Spline 2" 10
Buttons 6 Ceramic
Springs 9

MU128597-66
SS108935-91
*Mack only
Rated at 1860



Type DCF-CO-FT
Spline 2" 10
Buttons 4 Ceramic
Springs 10
*Rated at 1650 **Rated at 1750 w/4000# plate load

MU127597-106*
MU128597-406**
SS108391-74B*
SS108391-93B**



Type DOF-CO-FT
Spline 2" 10
Full Face Organic
Springs 10

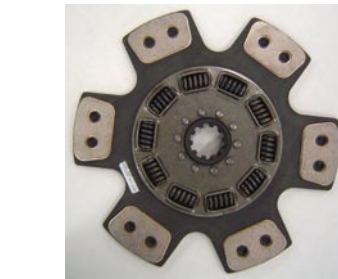
MU128597-400
SS108391-78B
Rated at 1450



Type DCF-CO
Spline 2" 10
Buttons 6 Ceramic
Springs 10

MU128597-606
SS108391-93H
Rated at 1860

"THE BEAST"



Type DCF-CO
Spline 2" 10
Buttons 6 Ceramic
Springs 10
*Rated at 2050 w/4000# plate load
**Rated at 2250 w/4250# plate load

MU128925-10*
MU128925-45**
SS108925-25*
SS108925-45**

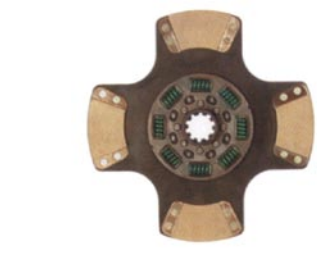
Part Number Suffixes

CO	Coaxial Spring
CR	Conversion Ring
DCF	Dampened Ceramic Facing
DKF	Dampened Kevlar/Aramid Facing
DOF	Dampened Organic Facing
FT	Free Travel
K	Kevlar
KS	Kevlar/Ceramic combo.
N	New
ND	New Disc
SD	Super Duty Set

14" CAST

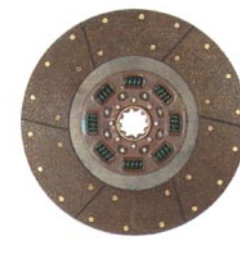


Available in
3600 pound plate load
3200 pound plate load
2800 pound plate load



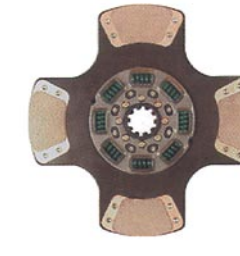
Type DCF-CO-FT
Spline 2" 10
Buttons 4 Ceramic
Springs 8

MU127390-26
SS108034-61B
Rated at 1000



Type DOF-CO-FT
Spline 2" 10
Full Face Organic
Springs 8

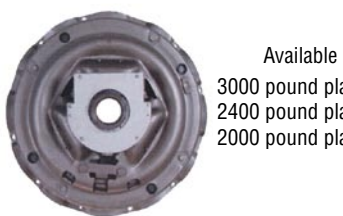
MU127390-20
SS108034-82B
Rated at 1150



Type DCF-CO-SD-FT
Spline 2" 10
Buttons 4 Ceramic
Springs 8
*Super Duty Set

MU127390-86
SS108050-59B
Rated at 1400

14" STAMPED STEEL OR CAST



Available in
3200 pound plate load
2800 pound plate load



Dual Plate



Type DCF-CO-FT
Spline 1 3/4" 10
Buttons 3 Ceramic
Springs 8
Cast Option

MU129044-26CR
MU129044-26NCR
MU129055-26CR
MU129055-26NCR
Rated at 860

EZN107237-10
EZN107342-11
Rated at 1000

Single Plate



Type DCF-CO-FT
Spline 1 3/4" 10
Buttons 3 Ceramic
Springs 8

MU127747-26
MU127747-26N
Rated at 620
EZN107683-5



Installation Kits Available

Proper Clutch Selection

Today's trucks are equipped with high torque producing engines and are fitted with a clutch based on torque ratings and operating ranges. We are finding that many customers are not selecting the proper replacement clutch that contains the correct dampened disc to handle the torque capacity exhorated by the engine. **Please review the engine horse power guidelines above.**

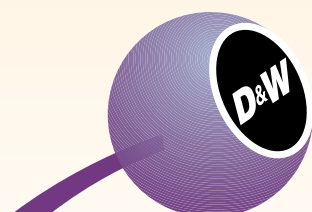
Always replace a clutch with the highest torque rated disc that the flywheel ID will accommodate. *Please remember that misapplication is not a basis for warranty replacement!*

<p>Flywheel ID 7.25" 8-SPRING</p> <p>up to 1988</p>	<p>Flywheel ID 8.562" 10-SPRING</p> <p>1985-1998</p>	<p>Flywheel ID 9.750" 6-SPRING 7-SPRING 9-SPRING*</p> <p>1992 to present</p>
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*Mack applications only! Flywheel bolt interference will occur if these units are interchanged!



SHIFT TO QUALITY



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Baltimore, MD 21211
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