



# PRODUCT BULLETIN

## "C" Mount Hydraulic Apply Spring Release Clutch (wet)

### DESCRIPTION

The ZF Multiple Disc Clutch is a split shaft design with a standard SAE C mounting pattern for ease of installation. Flow through oil cooling is required for increased energy capacity, lubrication of internal components, and dissipation of heat from the clutch pack during engagement. Metallic linings are used for increased life.

A secondary oil source modulates the operation of the clutch. When pressure is applied to the activation port, an engagement torque proportional to the applied pressure is generated. Springs are used to disengage the clutch when pressure is removed.

A typical application would be to install the clutch between a gearbox and a pump, providing engagement or disengagement of the pump, only when required for secondary operations. Another application might be to install the clutch between a hydraulic motor and wheel drive for auxiliary power control, when needed.

### FEATURES

- Split shaft design standard SAE C mounting configuration for easy installation
- Flow-through oil cooling for high capacity
- Metallic linings for long life
- Spring release minimizes heat generation in disengaged mode
- Perfect for pump disconnect or PTO controls
- Oil or pneumatic actuation



### SPECIFICATIONS

Torque rating.....	1130 N-m @ 22.8 bar (10,000 lbin @ 330 PSI) input pressure)
Maximum input pressure .....	24.1 bar (350 PSI)
Fluid displacement.....	16.4 cm <sup>3</sup> (1.0 in <sup>3</sup> ) minimum 29.5 cm <sup>3</sup> (1.8 in <sup>3</sup> ) maximum
Maximum speed (clutch engaged) .....	3000 RPM
(clutch disengaged).....	3000 RPM
Coolant flow.....	18.9 L/min (5 GPM) maximum
Case pressure .....	0.69 bar 10 PSI maximum
Approximate weight.....	236.6 N (53 lb)

For use with mineral base hydraulic oil only.

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