



CUSTOMER GENERAL INFORMATION	
Company Name:	
Contact Person:	
Contact Email:	
Contact Phone:	

APPLICATION DATA	
Special Notes: Please indicate Dimension Values	
Please provide any available Surface Drawings of Friction material, Groove Pattern, Core, Mate, Assembly, etc.	
Unit Name:	
Function Type - Brake/Clutch	
Brake	
Brake Operation Procedure: Kinetic/Retarding/Other:	
Environment Application: Wet (Fluid/Water)/Dry/Other:	
Application Design Type: Multiple Discs (number)/Single Disc/Segmented (number):	
Clutch	
Clutch Operation Procedure: Synchronization/TLC (Torque Limiting Clutch)/Transmission/Slip Differential/Continuous Slip/Lockup/Startup/Other:	
Application Environment: Wet (Fluid/Water)/Dry/Other:	
Application Design Type: Multiple Discs (number)/ Single	
Friction Material (FM)	
General FM Type: Sintered/Paper/Organic/Carbon/Other:	
Specific FM Type: Current Name and Manufacturer:	
FM Thickness/Hardness/Roughness:	
FM Surface Flatness Tolerance:	
Desired FM Wear Value:	
FM Surface Appearance: Plain/Grooved	
Groove Type: Radial/Spiral/Spiral/Differential/Diamond/ Square/Other (indicate),IOSS):	
Groove Design Data: Width x Depth:	
Core	
Core Disc ID x OD:	
Core Material/Thickness/Hardness/Surface Treatment:	
Core Teeth Description /Hardness:	
Core Surface Flatness Tolerance:	
Mate (Reaction Plate) Surface	
Surface Material/Thickness/Hardness/Roughness:	
Surface Texture - Machined/Polished/Burnished/Coated/Plated/Hardened/Other:	
Mate Surface Flatness Tolerance:	
Desired Mate Surface Wear Value:	



WORKING FLUID or COOLANT	
Fluid Name and Type:	
Operation Temperature Interval for Fluid:	
Circulation (Forced/Dipped/Sprayed/Natural):	
Oil Flow Rate:	
Sump Volume:	
Sump Temperature:	

SYSTEM ENERGY REQUIREMENT DATA	
Special Notes: Please provide Dimension Values	
Gear (Brake) Ratio or Ratio to Wheel:	
Required/Applied Clutch/Brake Torque Value:	
Applied Clutch/Brake Force/Pressure:	
Maximum Power/ Energy:	
Relative Speed Before Engagement:	
Operation Procedures: Infrequent Dynamic/Dynamic/Continuous Slip/Static/Mix (needs % indication):	
Dynamic	
Desired Dynamic COF:	
Desired Lockup, or Slip to Lock COF :	
Desired Ratio Dynamic to Lockup COF :	
Engagement Time:	
Static	
Desired Pick Breakaway, or Lock to Slip, or Static COF:	
Desired Breakaway or Slip COF :	
Breakaway Speed Value:	
Breakaway Slip Time:	

USAGE REQUIREMENTS	
Estimated Annual Units:	
Target Pricing:	

ADDITIONAL AVAILABLE DATA	