Application Datasheet

Customer Name: ..... **Contact Name:** .....

General Information:

Type and name of unit: .....

Friction material function (please tick):

☐ Brake ☐ Clutch ☐ Transmission ☐ Other

Friction disc operation (please tick):

☐ Static → ☐ Infrequent dynamic or emergency function

☐ Dynamic → ☐ Continuous slip

Friction material type (please tick):

☐ Sinter ☐ Paper ☐ Carbon ☐ Other

Name and manufacturer of current friction material: .....

Problems with current friction material (if any): .....

Technical Information	Desired dynamic friction coefficient		µd
	Desired static friction coefficient		µS
	Disc dimensions	Outer diameter	(mm)
		Inner diameter	(mm)
	Coreplate thickness		(mm)
	Thickness of friction material		(mm)
	Number of friction discs		
	Number of working friction surfaces		
	Groove Type (waffle, spiral, sunburst, wagon, radial)		
	Number of reaction plates (steel)		
	Thickness of reaction plates (steel)		(mm)
	Pack alignment e.g. PDPDPDPDPDP D = Disc P = Plate		
	Max. stack length of clutch/brake pack assembly		(mm)
	Max. surface pressure on friction material during engagement		N/mm^2
	Surface force		N
	Max. surface pressure on friction material when holding		N/mm^2
	Required torque		
	Max. speed difference of disc plate before engagement		rpm
	Sliding velocity		m/s
	Max. speed difference of disc and plate in open position		rpm
	Max. specific energy on friction material (if known)		J/mm^2
	Max. specific power on friction material (if known)		W/mm^2

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Clutch	Slipping time of clutch	sec
	Interval between two engagement	sec

Brake	Mass of vehicle	Laden	Kg
		Un-laden	Kg
	Number of brakes per vehicle		Sec
	Max. speed of vehicle before braking		m/s
	Normal speed of vehicle before braking		m/s

Oil	Name of oil and type	
	Type of lubrication	
	Oil flow rate if forced lubrication	Litre/min
	Max. speed of vehicle before braking	m/
	Max. Oil temperature	°C

Other Information	Hardness of teeth/lugs	Friction plate	Hv or HRc
		Mating plate	Hv or HRc
	Hardness of teeth/lugs (opposite part hub and drum)	Friction plate	Hv or HRc
		Mating plate	Hv or HRc
	Roughness of reaction (mating) plate		Ra
	Pressure rise from zero to Max. pressure		(sec)
	Annual volume (units)		
	Time of prototype and series production		

Any other comments: .....

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