

Application Data Sheet Enquiry

Customer Name: Contact Name:

General Information

Type and name of unit				
Friction material function	<input type="checkbox"/> Brake	<input type="checkbox"/> Clutch	<input type="checkbox"/> Transmission	<input type="checkbox"/> Other
Friction disc operation	<input type="checkbox"/> Static →	<input type="checkbox"/> Infrequent dynamic or emergency function	<input type="checkbox"/> Dynamic →	<input type="checkbox"/> Continuous slip
Friction material type	<input type="checkbox"/> Sinter	<input type="checkbox"/> Paper	<input type="checkbox"/> Carbon	<input type="checkbox"/> Other
Name and manufacturer of current friction material:				
Problem with current friction material if any:				

Technical Information

Desired dynamic friction coefficient		μd
Desired static friction coefficient		μs
Disc dimensions	outer diameter of friction material	(mm)
	inner diameter of friction material	(mm)
Coreplate thickness		(mm)
Thickness of friction material		(mm)
Number of friction discs		
Number of working friction surfaces		
Grooving type (waffle, spiral, sunburst, wagon, radial, etc)		
Number of reaction plates (steel mating plate)		
Thickness of reaction plate (steel mating plate)		(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
or surface force		N
Max. surface pressure on friction material when holding		N/mm ²
or surface force		N
Required torque		Nm
Max. speed difference of disc and plate before engagement		rpm
or sliding velocity		m/s
Max. speed difference of disc and plate in open position		rpm
or sliding velocity		m/s
Max. specific energy on friction material (if known)		J/mm ²
Max. specific power on friction material (if known)		W/mm ²

Brake Clutch

Slipping time of clutch		sec
Interval between two engagement		sec

Oil

Mass of vehicle	<input type="text"/> kg	Laden	<input type="text"/> kg	Un-laden
Number of brakes per vehicle				
Max. speed of vehicle before braking				m/s
Normal speed of vehicle before braking				m/s
Name of oil and type				
Type of lubrication	<input type="checkbox"/> Natural		<input type="checkbox"/> Forced	
Oil flow rate if forced lubrication				litre/min
Oil temperature	<input type="text"/>	Ordinary temperature °C	<input type="text"/>	Maximum temperature °C

Other information

Hardness of teeth/lugs	(friction plate) Hv or HRc	(reaction [mating] plate) Hv or HRc
Hardness of teeth/lugs (opposite part hub and drum)	(friction plate) Hv or HRc	(reaction [mating] plate) Hv or HRc
Roughness of reaction [mating] plate		Ra
Pressure rise from zero to maximum pressure		(sec)
Annual volume (units)		
Time of prototype and series production		
Other comments		

