

Date	

Application Data Sheet			Confidential
(for Master Cylinders, Remote Actuators, Air/Hydraulic Actuators, and Pressure Int	-	an	u incur no obligation by submitting this data d the non-public information provided will held in confidence by ZF.
Name	Title		
Company			
Address	City	State	Zip
Fax Phone		Country	
Email			
Are you currently working with a ZF Off-Highway Distributor	r? Yes No If yes	s, which one and wh	no is the contact?
Estimated Annual Quantity			
Is this a military application? 🗌 Yes 🗌 No 🛛 If y	es, what is the destination cou	ntry?	
Is this an underground coal mine application?	No No		
Choose a component? 🔲 Master Cylinder 🗌 Boos	sted Closed Center Master Cylir	nder 🗌 Boosted	Dual Master Cylinder
	Fluid Actuator 🗌 Air/Hydra	_	Pressure Intensifier
	,		
	Nama		
Гуре of vehicle or equipment		and model number	
Gross vehicle weight			
Neight distribution loaded: front	or % loaded rear		or %
Neight distribution empty: front	or % empty rear		or %
	ravity (vertical):	loaded	empty
Rolling radius: front	Rolling radius: rear		
Maximum loaded speed (level)	Maximum grade in f	avor of load	%
·	from or		
Coefficient of friction between tire and ground (estimated)		Type of road s	urface
Is this application required to conform with recommended p	practices or standards, if so which	ch ones.	
HYDRAULIC SYSTEM CHARACTERIS			
Attach any available hydraulic system schematics relevent	-		
	Minimum pump fi		
Pump type: Gear Van Piston	Manufacturer and model num	ber	
Load Sensing: Yes No Standby			
nternal bleed down: Yes No Relief va			
Dil names and numbers	Filtration	micro	ons
Operating temperature range: Minimum	Normal	Ma	ximum
Flow required for components other than brake valve			
What is the function of other components?			
BRAKE SYSTEM SPECIFICATIONS			
	Other		

Type of brake actuator presently used	Bore diameter	, and stroke
Pedal ratio Pedal travel	Maximum pedal effort	
Maximum fluid displacement required	Maximum brakin	g pressure
Number of wheels to brake	Caliper Drum	
Type of Fluid: DOT 3 or 4 brake	fluid 🔲 Mineral base hydraulic oil 🗌 Wa	ater base Synthetic base
Fluid manufacturer and brand name		
Type of coupling to brake lines		
Type of Mounting: Side mount	Flange mount Other	
Air system characteristics:		
-	om brake valve	
Compressor cut in pressure		-
Type of Mounting: Side mo	unt 🔲 Flange mount 🗌 Other	
Caliper brake characteristics:		
Piston diameter	Number of pistons per caliper si	ide
Maximum stroke	, or area	
Piston pretravel	to contact disc	
Volume requirements (per brake):		
New lining	maximum Worn lining	maximum
Brake torque capacity (per brake):	at	
Maximum allowable pressure		
Manufacturer		Model Number
Drum brake characteristics:		
Туре	Brake size ([,]	diameter and width) x
Wheel cylinder: diameter	Number of wheel cylinders	Self adjusting Yes No
Piston travel	to contact drum	
Actuation volume requirements (pe	er brake):	
New lining	maximum Worn lining	maximum
Brake torque capacity (per brake):	at	
Contact deflection	Contact area	System deflection
Maximum allowable pressure		
Manufacturer		Model Number
Special military specification requireme	nte:	

Comments:

Proposals will be made on the basis of the information provided. Subsequent customer engineering changes affecting the above could make our proposal invalid.

NOTICE

Component and system recommendations made by ZF Off-Highway Solutions Minnesota Inc. are based on information supplied by you. ZF does not independently confirm or test information supplied, or test the applicability of components or system recommendations. All recommendations are based on theoretical application of ZF Off-Highway Products based on the information you provide. Actual results may vary based on actual use conditions or inaccuracies in provided information. You must finally accept and approve recommended components and systems after you test the performance of the recommended system and components in actual applications for which the system was designed and in which it is operated. ZF Off-Highway reserves the right to reject any orders for components and systems not so accepted and approven to rystem recommendation is intended to be or shall be construed as an express warranty by ZF Off-Highway Solutions Minnesota Inc. All ZF Off-Highway Products and services are sold and provided subject to the ZF Warranties set forth at <u>www.mico.com</u> in effect on the date of sale or supply.



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