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414-881-4493
www.cncspecialtystore.com

CNC Specialty Store LLC
MACHINE PARTS & LUBRICANTS

5540 State Road 50
Suite 101
Delavan, WI 53115

Company: _____ Phone: _____

Address: _____ Email: _____

Name: _____ Date: _____

System Specifications			Pump Specifications					
Type of System	☐ Cycle		Model			Discharge Volume		cc/hr
	☐ Continuous		Part Number					cc/shot
	☐ Manual		Motor	Voltage	v	Discharge Pressure		kg/cm
	☐ Automatic			Phase	ph	Interval		min
Oil / Grease	Name			Frequqency	Hz	Reservoir Capacity		L
	Viscosity	cSt@40C				Oil Level Switch	☐ With ☐ Without	
		cSt@100C						

Calculation of required volume					Calculating value		Flow unit/Control unit			
Lubrication Points		Multiplier	Dimensions		Required oil volume in cc/hr	Oil volume ratio	Flow or control unit number	Multiplier	Capacity constant	Actual oil volume
Antifriction Bearing (roller, needle, ball)		0.040	diameter	# in row						
Plain Bearing		0.023	diameter	length						
Flat Slide Way - Vertical		0.006	width	length						
Flat Slide Way - Horizontal		0.0017	width	length						
Cylindrical Slide Way		0.023	diameter	length						
Roller Ball Slide Way		0.012	length	# in row						
Gear		0.046	diameter	teeth						
Cam		0.013	circumfr.	width						
Chain		0.008	length	width						
Point	Type (from above)	number from above								
Ex. 1	Flat Slide Way - Horizontal	0.0017 x	2.5 x	16	= 0.068					
								Total		

1. Fill in all information for lube points
2. Calculate Required oil volume
3. Take lowest volume divided by rest (Oil volume ratio)

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