



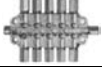






## Showa Centralized Lubricating Systems

### System Selection Guide:

System	Volumetric Lubricating System		Resistance Lubricating System				
Discharge Method	Fixed Capacity		Proportional		Adjustable		
Distributors	Dester Plungers	Dester Blocks	Proper units	Continuous Units	Dester Valves		
							
Features	Used to discharge a fixed quantity of oil.  Interchangeable head nipples make a variety of discharge volumes possible. Pump must have a depressurization mechanism.	Used for low-pressure volumetric type distribution systems.	Used with a variety of pumps (hand & motor)  Flow rate stamped on hex (from 00 to 5) indicates resistance.  Three letters stamped on hex refer to thread size.	Used with continuous pumps and grease pumps.  Markings as per Proper units.	Can be used with most pumps. Flow to each bearing is adjusted by valve at each feeder.		
Suitable pumps	Motor driven          Hand pump	MLA*W  * Depressurization mech.  LCA  LCB    LAW	Motor driven       Hand pump	YMAS  SMA  SMD  SSMA  MY  MV  HLA  LA  LD	Motor driven  * Continuous type  Grease pump  * Intermittent accumulator type	MLA*T*  SHG  MHG      * Intermittent accumulator type  Motor driven  * Continuous type	Motor driven          Hand pump    * Intermittent accumulator type  Motor driven  * Continuous type
Example pump unit	LCA3 pictured  		SMA pictured  	MLA*T* pictured  	LA pictured  		
Example application	<ul style="list-style-type: none"> <li>Machining centre</li> <li>Centralized lubrication system</li> <li>NC lathe</li> </ul>		<ul style="list-style-type: none"> <li>NC lathe</li> <li>NC milling machine</li> <li>Boring machine</li> <li>Grinding machine</li> </ul>	<ul style="list-style-type: none"> <li>Cut-off machine</li> <li>Forming machine</li> <li>Miscellaneous colling device</li> </ul>	<ul style="list-style-type: none"> <li>Multi-purpose lathe</li> <li>Multi-purpose milling machine</li> <li>Miscellaneous machine device</li> </ul>		