

## CUSTOM PARTS – DAMPERS



Dampers are often referred to by the shaft diameter followed by the tube diameter and then the type of damper. I.e. 6 by 15 cavitating damper.

Damper	Shaft Dia	Tube Dia	Description
Liftmatic 6 by 15	6mm	15mm	Cavitating
Liftmatic 6 by 15	6mm	15mm	Non-cavitating (NC)
Liftmatic 8 by 18	8mm	18mm	Cavitating
Liftmatic 8 by 18	8mm	18mm	Non-cavitating (NC)
Liftmatic 8 by 22	8mm	22mm	Cavitating
Liftmatic 8 by 22	8mm	22mm	Non-cavitating (NC)
Liftmatic 8 by 28	8mm	28mm	Twin tube damper NC
Liftmatic 8 by 22	8mm	22mm	Self-centering (NC)
Liftmatic 8 by 28	8mm	28mm	Self-centering (NC)

The faster you move the shaft in and out of a damper the more force you generate. When designing a custom damper we need to know the force required at 2 different speeds so we can develop the correct force vs velocity curve. Many customers are unable to generate these values and it often requires some trial and error to get the desired forced curves.