

## SPECIAL DASHPOT QUESTIONNAIRE

When standard dashpots are not suitable, special dampers (metal or plastic) may be offered for high volume applications. To engineer a special unit the following information is required:

1. \*Continuous rotation or reciprocating (state angle of travel) type.
2. \*Fixed rate or adjustable rate.
3. \*Unidirectional or bi-directional damping.
4. Maximum operating speed.
5. \*Maximum operating torque (for strength).
6. \*Nominal torque and tolerance at specified speed and at 20°C (for damping rate).
7. Maximum allowable frictional torque in each direction.
8. \*Maximum and minimum ambient temperatures.
9. \*Energy dissipation (watts).
10. \*Typical cycle description and period between cycles/sequences
11. \*Maximum acceptable dimensions.
12. Mounting arrangement, eg 2 or 4 lugs, clamped body, central or end flange.
13. Drive arrangement, eg male or female, square or round with splines or keyway.
14. Maximum side load.
15. Maximum end load.
16. Materials, eg zinc alloy, aluminium or acetal polymer.
17. Surface finish, eg natural or painted.
18. \*Maximum weight.
19. Any production test requirements.
20. \*Volume requirements.
21. \*Target unit price.
22. Storage periods and conditions.

The data marked with an \* is essential to initiate any study but all of the above data is relevant and would save a great deal of development time in the long term.