Title: **SPRING RETURN EHD WITH DUMP VALVE OPTION TRAVEL TIMES (NO EXTERNAL LOAD)**

| EHD Actuator/SR Size | Travel Time (Secs. @ 20°C) | |
|---|---|---|
| | Against Spring | With Spring |
| 05 | 7 | 1.5 |
| 07 | 18 | 1.5 |
| 09 | 38 | 1.5 |
| 10 | 60 | 2.0 |
| 12 | 83 | 3.0 |
| 14 | 194 | 7.0 |

For travel time when acting with spring, use TD77 page 2 to determine travel time with load.

Example:

09 EHD with 50Nm external load, average spring torque = $\frac{104-94}{2}$ = 99Nm

% Load = $\frac{50}{99}$ x 100 = 51%

From page 2 of TD77, time factor = 1.8

∴ loaded travel time = time factor x no load time = 1.8 x 1.5 = 2.7 seconds

For loaded travel time acting against spring, use times given in table above.