



**Acceleration Limit
Of BMV/R
Bent Axis Motors**

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The acceleration/deceleration rate of the BMV/R series bent axis motors is limited to **3000 radians per second squared**. Exceeding this limit could result in a piston and/or rotating group failure.

While exceeding this limit, instantaneous torsional forces, which cannot be readily transmitted, are absorbed by the motor which results in a bell-mouthing of the high pressure pistons, and eventually fracturing of the conrods.

Typically, excessive acceleration/deceleration rates occur during rapid starts, stops and/or sudden reversals of the motor.