

9/1/2019.

John, thanks for your enquiry.

You are correct in that a coupling used for towing a pig trailer >3.5t must have a D-value and a V-value. This does include 'other couplings' as described in clause 12.3.3.2 for dynamic testing. This is qualified in clause 12.3.3 " must withstand the relevant '*D-value*', or the relevant '*D-value*' and '*V-value*' dynamic forces" – in relation to either a hinged drawbar or a pig trailer.

Couplings under 3.5t do not require a 'V-value' as such but must still meet the requirements of 12.3.2.1.2 with regard to vertical load:

12.3.2.1.3. Vertical tension and compression of minimum (N) $0.5 \times 9.81 \times 'ATM'$ (kg) for the '*ATM*' at which the '*Coupling*' is rated.

Greg Tanner
MEngSC, BE (Mech)
Engineering – Vehicle Certification Technical
Team
Vehicle Safety Standards - Surface Transport
Policy
Department of Infrastructure, Regional
Development and Cities
GPO Box 594, Canberra ACT 2601
t 02 6274 7831

e greg.tanner@infrastructure.gov.au | w
www.infrastructure.gov.au



Australian Government
**Department of Infrastructure,
Regional Development and Cities**