



# Ausjet Incorporated

## Safety Alert

At a General Meeting on the 27<sup>th</sup> of March 2008, The Executive Committee of Ausjet (The Australian High Pressure Water Association) resolved to make the following safety recommendation to all of industry in Australia who use high pressure water either directly or indirectly.

Ausjet advises that the risks associated with using the “whip check” type hose restraints of either steel or nylon manufacture pictured below as a safety device to secure hose connections are unacceptable and due to consistent feed back from industry and Ausjet members, ***it is recommended that only the steel or stainless steel “stocking” type of restraint be used in all instances.***



Stocking



Whip Check



Whip Check

### Background

The Association has received information on both types of hose restraints over a number of years including several instances where failures of whip check type restraints have failed and injured personnel as well as feedback from end users and have concluded the following in regard to whip check:

- Whip checks are particularly prone to failure where the energy of the hose is not adequately restrained upon failure of the hose joint
- The effectiveness of a whip check is dependant on correct fitting
- Whip checks do not adequately restrain thermoplastic hoses due to low contact area coupled with low coefficient of friction of the hose covering
- As steel whip checks are manufactured from a single cable, they are prone to failure or significant structural damage through vibration on concrete surfaces or other abrasive surfaces.

No significant or unmanageable risks have been identified with the use of stocking type hose restraints.

Regards

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