

# Pellet bulk stores explained

Essential accessories for pellet installation

There are many common features that ensure safe and usable pellet store access. Shown below is a pellet store with auger to vacuum transfer head.



Viewing panel. Its important to be able to view the pellet store level so more pellets can be ordered, it also helps the delivery driver to know how many more pellets to fill.

A 300 x 300 mm toughened 12 mm glass viewing panel should be considered necessary.

Zeroridge also supplies 100 x 300 mm panel.

Pellet fill and vacuum tubes. The style shape and design of these is very important. Each tube has a special connection called a Storz. This allows the delivery driver to connect his hose safely and reliably to the store. The position of these is important so the lorry driver can reach the connections without having to use portable steps or other unsafe supports. The pellet when passing through the tubes must take a gentle route without sharp bends to prevent break up of the pellet.

Anti-shatter mats. Special rubber reinforced material which hangs from the ceiling. As the pellets are blown into the store they hit the matt helping to prevent break up of the pellet.

The pellet tube should be well supported as the force of filling the store may otherwise loosen the tubes. Always use dedicated wall supports and/or ceiling supports at least two per metre.

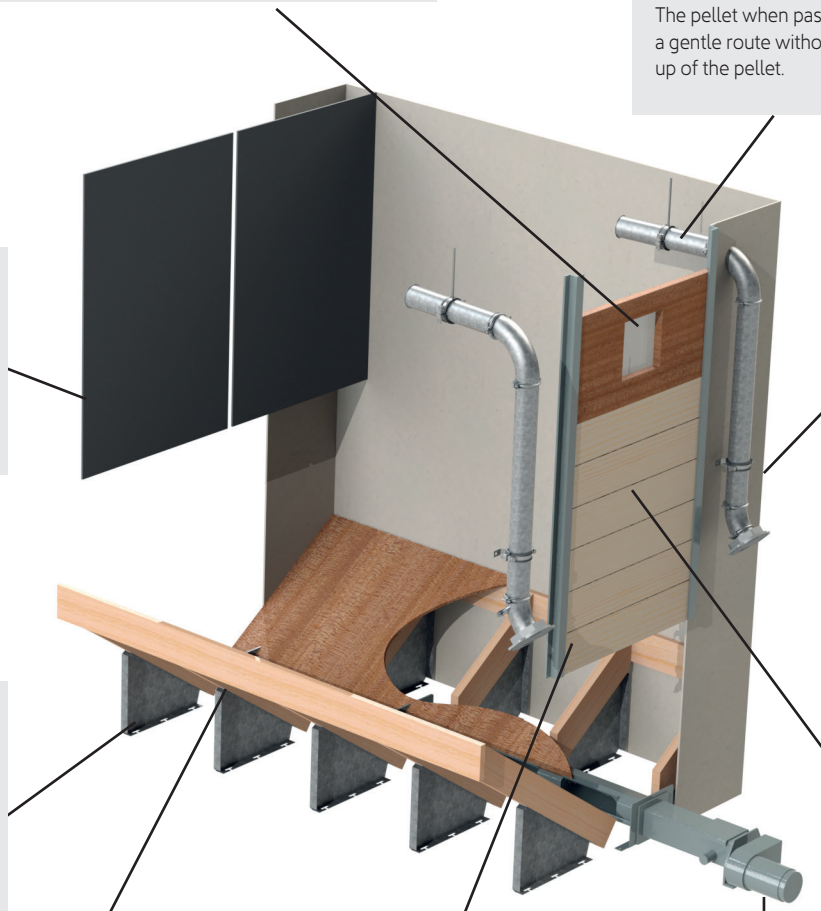
Slanted floor support 35°  
Supplied in pairs. Galvanised angle plates to support sloping floor.  
(Required number depends on size of store. As a guide one should be fitted every 400 mm) Order number HDG2104.

The pellet store requires access. A suitable door system which is sealed to the pellet dust is installed with each installation. An alternative to an on site build is to install Zeroridge's purpose design bulk head which includes pellet tubes and vision panel.

Sloping floor is normally constructed from suitable wood material capable of supporting the weight. Wood pellets are 650 kg/m<sup>3</sup>. This is low friction.

This example shows an auger transferring pellets from the store to a vacuum transfer head. Very similar design can be used for pellet probe installation although a larger space may be left in the centre of the store.

Door rails. Z shaped pre-folded to support wash board door system. Available from Zeroridge in two lengths 900 and 1900 mm.



DELIVERY, FEED & ASH SYSTEMS