

## Product Bulletin

Doc. No. GPM-SS-B- 0033

Date: January 5, 2025

Product ref: Product Transfer – 60' Non-Structural Roof

Comm: STANDARD

### Overview

In line with AGI's North American Bin Standardization strategic goals, the Grand Island 60' Non-Structural roof design/manufacturing ability has been transferred to AGI St. Boniface. This will allow for a competitive roof design in the North American market.

### Product Information

- The 60' design mimics the GI design, which differs from the Westeel Non-Structural roofs.
- The 60' non-structural roof sheets are single span.
- Non structural roof sheets have a roof rib height of 3".
- The 60' non-structural roof kit comes complete with three standard roof rings.
- Standard (1) 53.5" Heavy Duty Flat cap (for use with 52" peak ring)
- Standard (1) inspection hatch roof sheet with a 24" opening and a hinged lid.
- Roof rungs supplied standard with each bin.
- Roof slope 30°.

### Bin Design and Capacity

Standard AGI Grain Bins are designed for:

1. Non-corrosive free-flowing materials up to 52 lbs/ft<sup>3</sup> (838 kg/m<sup>3</sup>) average compacted bulk density.
2. Maximum horizontal wind pressure based on 94 mph (151 km/h) as per NBCC and 105 mph (169 km/h) as per ASCE 7-16.
3. Zero Seismic activity.
4. Roof Loading capabilities vary with peak load and snow load.

Standard Peak Load – 60’ Non-Structural Roof (*Upgrades are available*)

Size	Type of Roof	Load (lbs)	Load (kg)
60'	non-structural	8000 lbs	3629 kg

Maximum Roof Snow Load at Standard Peak Load – Canada & United States

Size	Upgraded Peak Load	Standard Roof		Plus, Upgrade 1		Plus, Upgrade 2	
	lbs (k/N)	psf	kPa	psf	kPa	psf	kPa
60'	8000 (35.6)	17	0.81	24	1.15	n/a	

Maximum Roof Snow Load at UPGRADED Peak Load – Canada & United States

Size	Upgraded Peak Load	Standard Roof		Plus, Upgrade 1		Plus, Upgrade 2	
	lbs (k/N)	psf	kPa	psf	kPa	psf	kPa
60'	12000 (53.4)	16	0.76	23	1.10	n/a	

There are two roof kits available which can be ordered specific for your application

1. Roof Kit 60’ Non – Structural c/w Flat Cap
2. Roof Kit 60’ Non – Structural c/w RCO

Roof Upgrade 1 consists of 60 rib supports/hardware.

Roof Rib Support Kits are available to allow for temperature cable upgrades.

1. Roof Rib Cap 60’ Dia 8-9 Tier Kit
2. Roof Rib Cap 60’ Dia 10-16 Tier Kit

Please note that standard bin kits ranging from 6008 – 6025 come complete with the 60’ non structural c/w Flat cap option.

New bin kits have been created to include the RCO option as standard in bin kits. This is offered in bins ranging from 6008 to 6012.



All applicable AGI quote tools have been updated accordingly.

Revision 5 of the roof tool is available to be used to understand roof upgrade requirements.

Contact your local Territory Manager for further information and pricing.