

The DBAR



The main function of the DBAR is to reduce the amount of damaged grain within a grain system. Reducing the amount of grain damage is accomplished with the patented design that includes an internal cone with an adjustable baffle. This allows for complete control of the cushion for the grain and the degree of self-cleaning that can be achieved.

For example: Grain is flowing out of a dryer at 500BPH and feeding into a 3500BPH bucket elevator. The grain is then transferred to a bin via a spout and cushion box. The DBAR works best in this situation with reduced capacity due to the internal cone collecting grain for better impact (grain on grain).



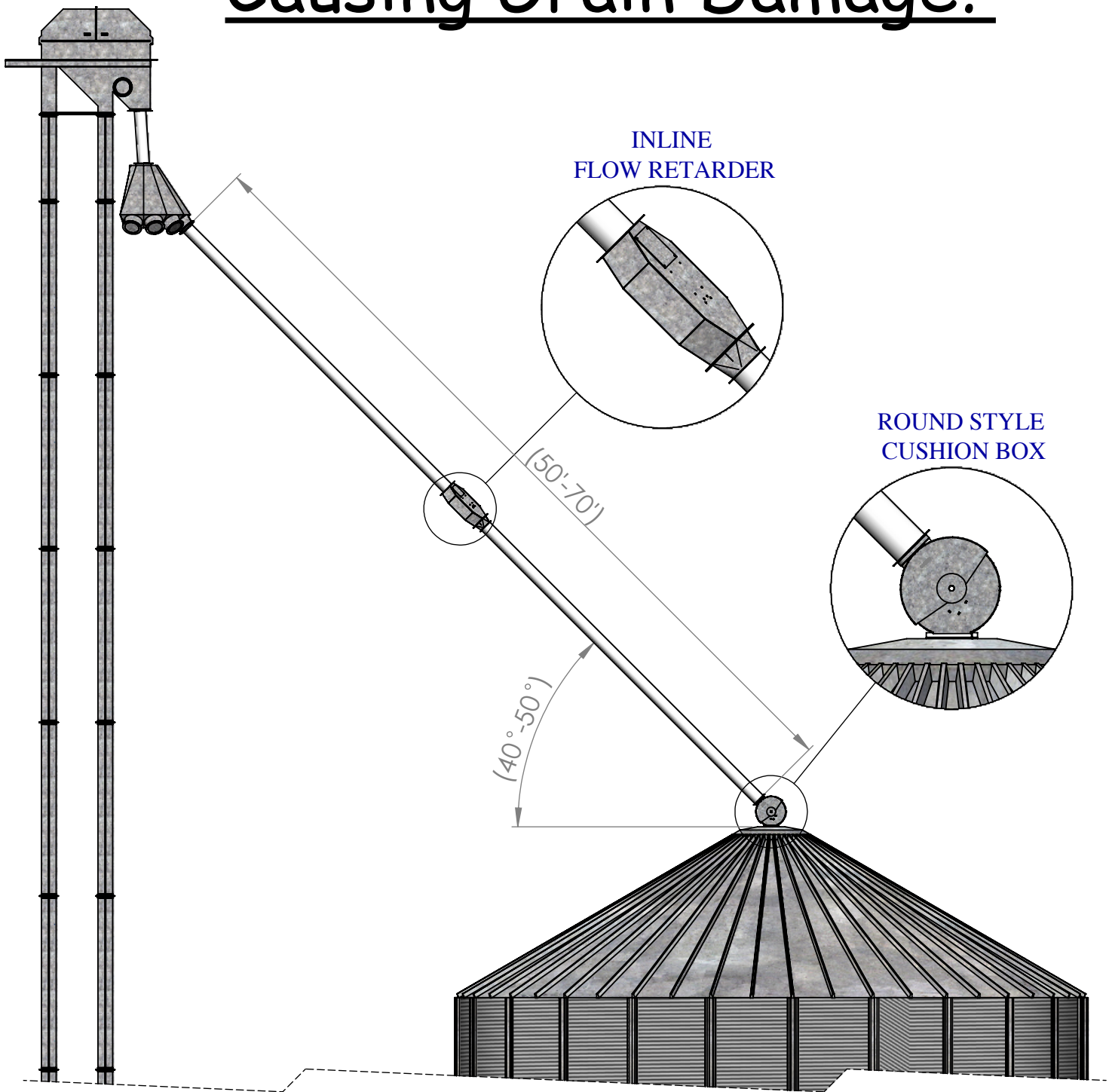
The DBAR can be used in a wide variety of applications from cushion boxes on long spout runs to a flow retarder in a spout. This cushion box can be used more specifically on grain legs that are not running at full capacity. The DBAR is designed such that there is a consistent pocket of grain at all times without sacrificing loss of capacity.

Quick Facts

- 8 gauge hot dipped galvanized body
- Large service door
- Replaceable internal components
- Various liner options for longer wear life



Causing Grain Damage?



"STANDARD" INSTALLATION SET-UP

Ideal for **full** capacity situations

Field data & customer experiences show this to cause damaged grains when running at partial capacities

Creates dusting issues in the cushion box, flow retarder, spout, and distributor

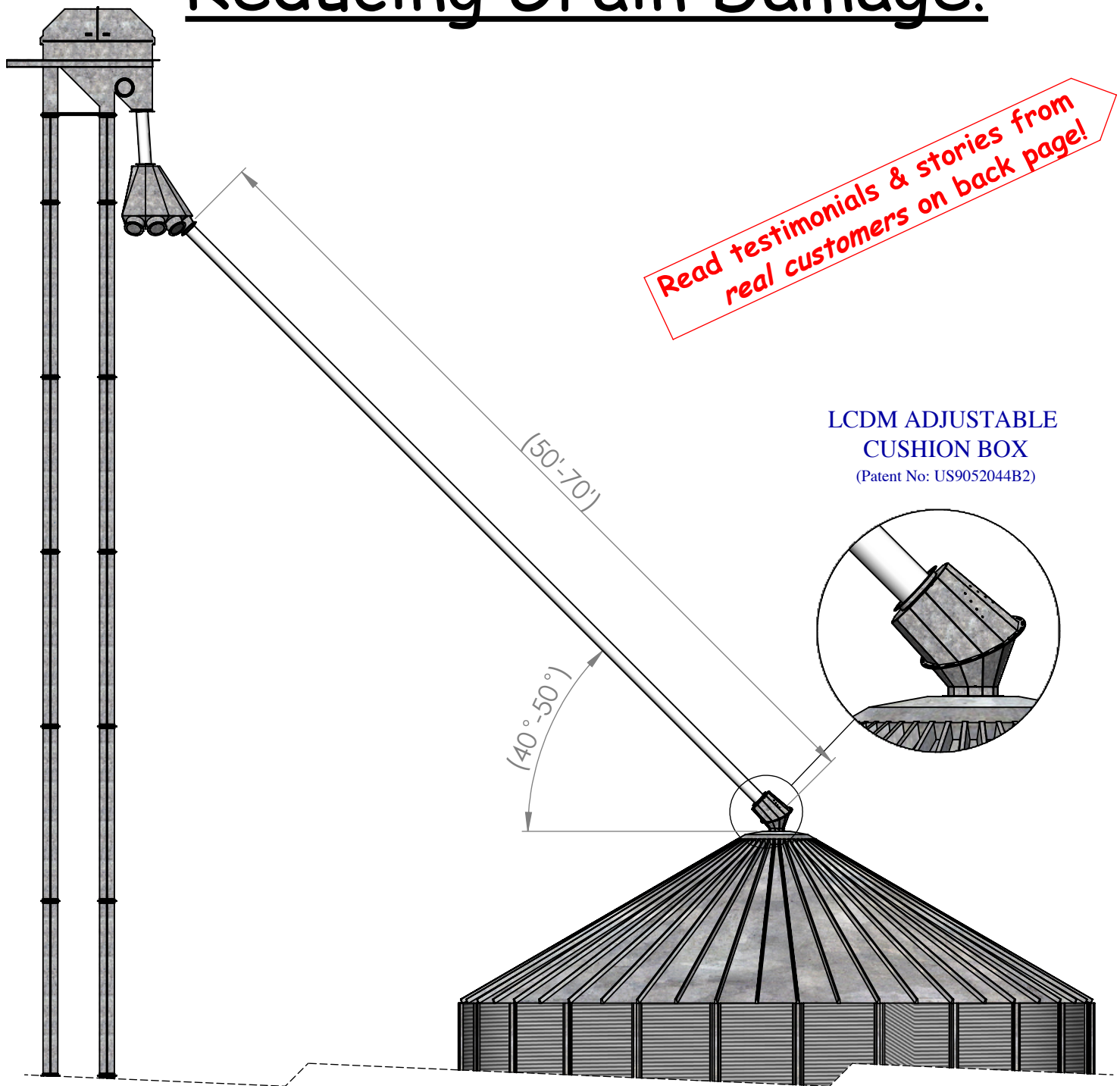
Increased labor during installation compared to LCDM style set-up

Historically produces high percentage of foreign matter



The dimensions of spouting and angles of spouts shown are LCDM's depiction of the most common installation set-ups. We have the pricing above shows an average price based on industry, our customer

Reducing Grain Damage!



LCDM ADJUSTABLE
CUSHION BOX
(Patent No: US9052044B2)

"LCDM RECOMMENDED" INSTALLATION SET-UP

Ideal for **full or partial** capacity situations

Field data & customer testimonials shows to reduce grain damage when running at **any** capacity

Large inspection door for ease of cleaning dust out of cushion box

Minimal labor during installation

Field data recently proven to reduce the percentage of foreign matter

LCDM DBAR Testimonials

"We had an issue where a customer was getting damaged corn from a low flow situation out of his dryer. After speaking with LCDM about their DBAR Cushion Box and Flow Retarders, we decided that this was the product we wanted to try and solve the problem. Josh was extremely helpful with his product knowledge and the rest of the staff was very accommodating, as well. The DBAR is very easy to install and worked better than expected. Since that first install, we have installed a few more and plan to use them where we need an adjustable dead head."

Matt: Waitt Equipment

"We were experiencing grain quality issues on the longer spouts at a facility we built back in 2013. We were experiencing issues because grain was begin conveyed at 1500 to 2500 BPH from the dryer, but the system was designed for 7500 BPH. The lower volume in the down spouts resulted in considerable terminal damage at the "standard" cushion box."

"We tried the DBAR Cushion Boxes on the two longest runs and experienced much less grain damage. We then changed the rest out with DBAR Cushion Boxes. The following year, the owner informed us that they were very happy with the results. The reduced damage paid for the change out many times over in just one year!"

Dick: D&E Equipment

"We used no in-line flow retarders, just your cushion boxes on spout lengths up to and over 60' coming off two 120' legs. We had zero issues with plugging or damage as a result of your product. Almost all of what we have hauled in so far has been less than 1% damage, including what we dried down from 25% out of the field."

Chris: Chrisman, Illinois

"We have had numerous "round style" cushion boxes installed in our grain system. Grain damage was evident every time we pulled grain out of the bins. Plus, the baffles were consistently wearing out. We decided to install the DBAR Cushion Boxes ourselves and saw a significant improvement of grain quality. The boxes paid for themselves in the first trip to the mill!"

Wade: Nevada, Ohio

