



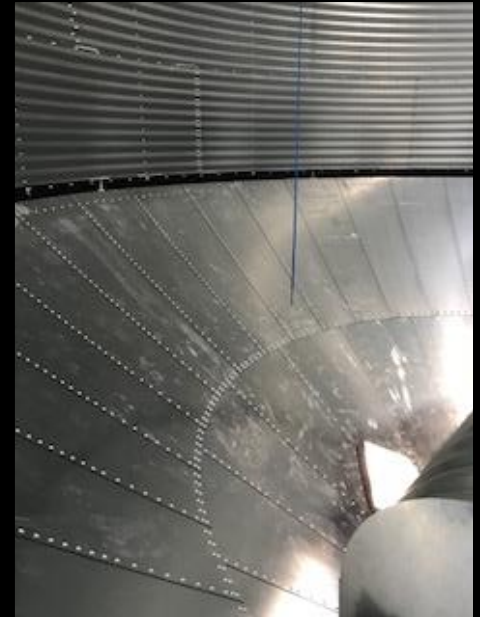
# DARMANI GRAIN STORAGE



## (HOPPER CONES-SKIDS AND AIR SPECIFICATIONS)



MADE FOR STEEL SKID FOUNDATIONS OR CEMENT PADS



### SLIDE GATE OPENING

- Rack and pinion slide gate
- 28" clearance for conveyors
- Slide is braced to eliminate leakage
- Outside handle for easier access



### HOPPER CONES

#### ENGINEERED DESIGN

18-27' IN DIAMETER

GALVANIZED SHEETS

40 DEGREE SLOPE

CROSS BRACING

MAHOLE

RACK AND PINION SLIDE GATE

28" GROUND CLEARANCE

OUTSIDE HANDLE

#### OPTIONS AVAILABLE

AERATION

STEEL SKIDS

TIE DOWN ANCHORS



*"The Cross bracing not only makes it a stronger cone but also more user friendly as it eliminates the bracing going to the center of the cone.*

***It's a heavy duty cone. "***

**DARMANI GRAIN STORAGE 1-866-665-6677**

[www.darmani.ca](http://www.darmani.ca)

**Factory Direct**

**SERVING WESTERN CANADA AND NORTHERN U.S.**

# DARMANI GRAIN STORAGE

## (HOPPER CONES-SKIDS AND AIR SPECIFICATIONS)

### DARMANI HEAVY DUTY CONE FEATURES

Diameter	18	21	24	27
Cone -maximum bin size	6415	8910	13200	17056
Heavy Duty Steel Construction	Std.	Std.	Std.	Std.
Designed for long life	Std.	Std.	Std.	Std.
Inspection hatch	Std.	Std.	Std.	Std.
Rack and pinion slide gate	Std.	Std.	Std.	Std.
Outside handle w/bearing slide	Std.	Std.	Std.	Std.
Galvanized sheets	Std.	Std.	Std.	Std.
Galvanized sheet gauge	12/14	12/14	10/12	10/12
Cone slope	40 deg.	40 deg.	40 deg.	40 deg.
Heavy wall legs (5"x5" HSS)	Std.	Std.	Std.	Std.
Quantity of legs	12	14	16	18
Heavy Duty WELDED Beam	Std.	Std.	Std.	Std.
Outer band support	3/8"	3/8"	1/2"	1/2"
Inner band to cone	Yes-¼"	Yes-¼"	Yes-¼"	yes-¼"
CROSS BRACING TOP SUPPORTS	Std.	Std.	Std.	Std.
CROSS BRACING BOTTOM SUPPORTS	N/A	Avail.	Std.	Std.
Painted with hardener	Std.	Std.	Std.	Std.
Slide gate opening size	18"	18"	18"	18"
Discharge height	28"	28"	28"	28"

Limited warranty	Std.	Std.	Std.	Std.
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### SEE AIR COMPRISON PAGE FOR MORE DETAILS

V-27-Hopper Aeration System	Yes	Yes	Yes	Yes
CROSS AIR MAX FLOW	N/A	N/A	Avail.	Avail.

### SEE STEEL SKID FOUNDATION PAGE FOR MORE DETAILS

Structural Steel foundations (Heavy duty 4"x6" HSS tubing) Supported by 5"x5" HSS tubing	2 row	3 row	3 row	3 row
	3 row	4 row	4 row	4 row
Wind tie down anchors w/brkt	Yes	Yes	Yes	Yes
HD adjustable anchors w/brkt	Yes	yes	Yes	Yes
HD Cement footing plates	Yes	Yes	Yes	Yes
HD Stiffener mounting brackets	Yes	Yes	Yes	Yes
Hopper to ground ladder	Yes	yes	Yes	Yes
SKYLIFT Mount brackets	Yes	Yes	Yes	yes

### SEE HOPPER CONE COMPETITOR COMPARISON GUIDES

BIN PKGS CONES SKIDS AIR AIR FANS TEMPERATURE MONITORING

SET UP AND DELIVERY AVAILABLE

# HOPPER CONE COMPARISON CHART

**DARMANI's value is as clear as Black and White**

**Why buy a hopper when grain is hard to run out?**

## DARMANI GALVANIZED HOPPER

40 Degree slope



### DARMANI CONE SLIDE GATE

- FASTER UNLOADING
- MORE CLEARANCE FOR CONVEYORS (28" STD.)
- SLIDE RE-INFORMCMENT
- RACK AND PINION SLIDE GATE WITH OUTSIDE HANDLE



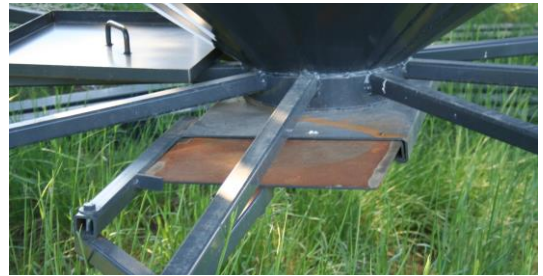
## BRAND "W" WELDED HOPPER

35 Degree slope



### WELDED CONE SLIDE GATE

- Slower Unloading
- Less Clearance for conveyors (24 or 26")
- NO slide reinforcement
- Some use Steel on Steel with lever handle



HOPPER CONE  
STYLE OF CONE  
OVER DIMENSIONAL ----WIDE LOAD  
GALVANIZED SHEETS- CONE  
CONE TYPE  
CONE SLOPE  
MAIN BEAM  
CONE SHEETS GAUGE  
MANHOLE  
CONE LEG SUPPORTS  
# OF LEG SUPPORTS  
SIZE OF LEGS  
SLIDE GATE CLEARANCE  
SLIDE GATE SUPPORT  
RACK AND PINION  
HANDLE TO OUTSIDE

DARMANI  
GALVANIZED  
NO  
YES  
BOLT TOGETHER  
40 DEG.  
1/2" X 10  
10 G/12 GA  
STD.  
GALVANIZED X-BRACING  
18  
5"X5"  
28"  
STANDARD  
STANDARD  
STANDARD

BRAND "W" GALVANIZED	WELDED COMPETITOR
NO	YES
YES	NO-PAINTED
BOLT TOGETHER	WELDED
40 DEG.	35 DEG.
1/2"X10	3/8"X 8
10 G/12 GA	12 GAUGE
OPTIONAL	STD.
ANGLE IRON	ANGLE IRON
18	16 OR 18
5"X5"	4X4 OR 5X5
26"	24"
N/A	N/A
STANDARD	STEEL ON STEEL
STANDARD	LEVER

# HOPPER CONE FOUNDATION OPTIONS

DARMANI's value is as clear as Black and White

Why buy a cone without a good foundation?

The cone will only be as good as the foundation itself.

**DARMANI cones can be placed under  
Engineered Steel Skid Foundations or Cement pads**

## 24' STEEL SKID FOUNDATION COMPARISON

**DARMANI  
SKID**

4

**4"X6"**

5"X5" TUBING  
HEAVY DUTY  
(Adjustable)

**COMPANY**

# ROWS

**MATERIAL**

BRACED  
OPTIONAL  
ANCHORING

**BRAND "W"  
COMPETITOR**

4

**4"X4"**

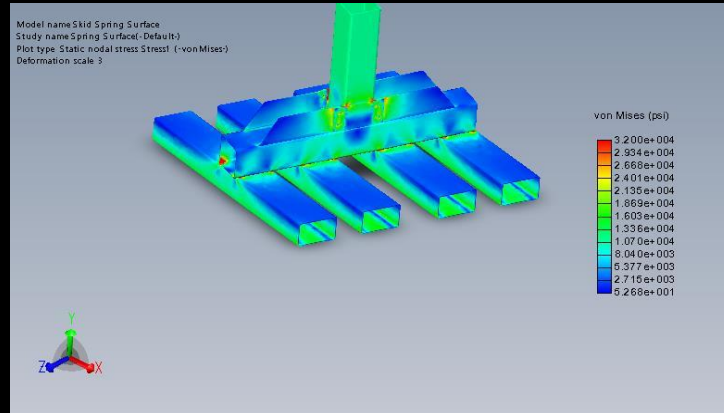
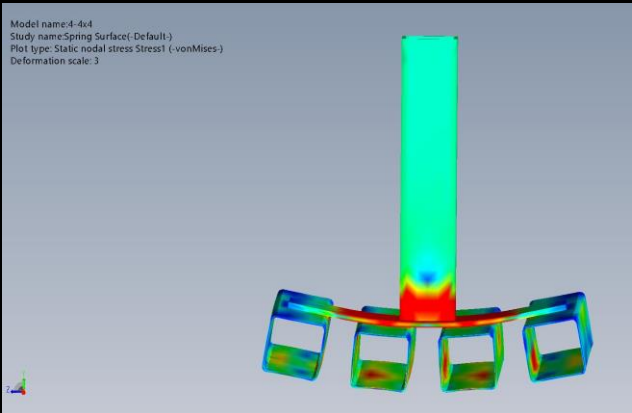
FLAT PLATE  
LIGHT DUTY

**OVER 30% more  
FLOTATION THAN  
COMPETITORS**

**SEE THE DIFFERENCE – What the right skid can make**

## SKID MODEL STUDY ANALYSIS for the basis of STREGNTH and FLOTATION

Engineering models used 40,000 lbs pressure exerted on each LEG which transfers to Skid



### DARMANI HEAVY DUTY STEEL SKID

### COMPETITOR -BRAND W

Bin size	bushels	Total lbs	# OF ROWS	Lbs/sq`	Skid bracing	# OF ROWS	Lbs/sq`	Skid bracing
1806	5573	390103	3 ROW-4x6	4978	Tubing/plate	3 row-4x4	7089	Flat plate
2107	8850	619506	4 ROW-4x6	6805	Tubing/plate	3-row 4x4	9604	Flat plate
2407	11826	827802	4 ROW-4x6	6249	Tubing/plate	4-row 4x4		Flat plate
2708	17057	1194015	5 ROW-4x6	6659	Tubing/plate	4-row 4x6		Flat plate


NOTE: \*weights used for bushels is based on heavier product of 70 lbs/bushel

# HOPPER CONE AERATION COMPARISONS

DARMANI's value is as clear as Black and White

When AIR FLOW is required, you don't want to be restricted

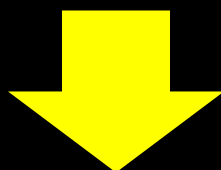
DARMANI offers 2- 3 times the air flow than competitors

BRAND /NAME	DARMANI <b>CROSS AIR</b>	DARMANI <b>OPEN AIR</b>	COMPETITOR ROCKET	COMPETITOR TUBE
				
AIR FLOW STYLE	EXCELLENT HORIZONTAL	GOOD HORIZONTAL	AVERAGE VERTICAL	POOR HORIZONTAL
AIR SCREEN USED	N/A	N/A	*DENTED LOUVER (33% Open) 4' X 45"/30"	*DENTED LOUVER (33% Open) 10' X 24"
DIMENSIONS	18' X 18' X 27"W	18' X 27"		
OPEN AIR AREA (SQUARE FEET)	<b>74.82 SQ`</b>	<b>37.41 SQ`</b>	<b>24 SQ`</b>	<b>14.4 SQ`</b>
WEIGHT	<b>2150 LBS.</b>	<b>1398 LBS.</b>	<b>521 LBS.</b>	<b>285 LBS.</b>
STANDARD FAN MOUNT	28" ROUND-INLINE	28" ROUND-INLINE	11X17" SQUARE FULL	24" ROUND -INLINE
ADAPTERS AVAILABLE	YES -FOR FULL CENTRIFUGAL	YES – FOR FULL CENTRIFUGAL	YES-FOR INLINE CENTRIFUGAL	YES-FOR FULL CENTRIFUGAL
ENGINEERED	YES	YES	YES	YES
RETRO-FITABLE	YES	YES	YES	YES
MAXIMUM BUSHELS (BIN)	15349 (2708)	15349 (2708)	15000	8000

\*information taken from various brochure or websites

\*See manufacturers websites/Call for full details

\*\*Open air was calculated by multiplying Total open air x .33 (Dented louvered screen)



***“Air takes the path of least resistance.  
The more open area the more air flow”.***