

Vulcan™ Product Specification

A steel v-plow blade system.

References and case studies can be provided.

Product Description:

The Vulcan™ steel blade system shall be an engineered system comprised a steel cutting edge, plow guards with Winter Carbide Matrix®, cast steel curb protection, and a cast steel nose piece. The Vulcan™ system also shall include all mounting hardware (with thread locking fasteners) and installation instructions. All components are crated together in a palletized package.

Product Specification Details:

1. REFERENCES

- 1.1 Manufacturer shall provide references for the system upon request validating wear life.

2. PACKAGING

- 2.1 All blade system components are to be provided in a single box or crate comprising of:
 - a. All blade sections manufactured per specifications.
 - b. (2) plow guards with curb protection
 - c. (2) cast steel nose pieces
 - d. (1) Grade 8 hardware kit including thread locking fasteners, flat washers, extended shoulder carriage bolts, and plow bolts.
- 2.2 Installation instructions included in package.
- 2.3 The blade system package is to be securely banded to a pallet providing adequate protection for common freight carrier handling, transportation, and receiving.

2.4 Packaging will provide adequate protection from the elements incurred during normal transportation and storage.

3. MAIN BLADE

3.1 The blade shall be boron steel.

3.2 Dimensions: 6" high x 5/8" thick x 40-3/4" or 46-3/4" length

3.3 Tolerance between hole spacing is +/- 1/16", non-accumulative, from center to center across full length of blade.

3.4 Blade to have slotted holes for mounting to plow

4. CAST NOSE PIECE

4.1 High impact Grade A-22 steel casting.

4.2 Nose piece to minimize gap in v-plow center

4.3 Angled end to allow for movement of wings without interference

4.4 Nose piece has tab to interlock with main blade

5. PLOWGUARD JR

5.1 ASTM Grade A-36 Hot rolled bar, 1 1/8" in thickness.

5.2 Dimensions: 6" high x 1-1/8" thick x 9" length

5.3 Guard will have Winter Carbide Matrix® weld 7/8" min. in height for the full length of the 1 1/8" thick steel base.

5.4 Mounting holes to be drilled 11/16" diameter, then counter-sunk with square punched to accept 5/8" Plow Bolts for flush mounting to blades.

5.5 Guards will be Class 7 Orange™ texture powder coated to provide corrosion resistance and safer handling.

6. MOUNTING HARDWARE

6.1 The mounting hardware will consist of high-quality thread locking components consisting of Grade 8 carriage bolts, Grade 8 plow bolts, all metal lock nuts

and flat washers. All items to be pre-counted and sealed for corrosion resistance.

7. FINISHED PRODUCT

- 7.1 Finished guards will be Class 7 Orange™ texture powder coated to provide corrosion resistance and safer handling.
- 7.2 Finished blade shall comply with standard blade manufacturing tolerances.
- 7.3 Manufacturer's literature shall be furnished as required.

Example of an 8.5 ft system

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	KT-SB21VP85	Blade Kit	1
2	KT-FS5000VP	Nose Piece Kit	1
3	KT-PJ64VP	Plow Guard Kit	1

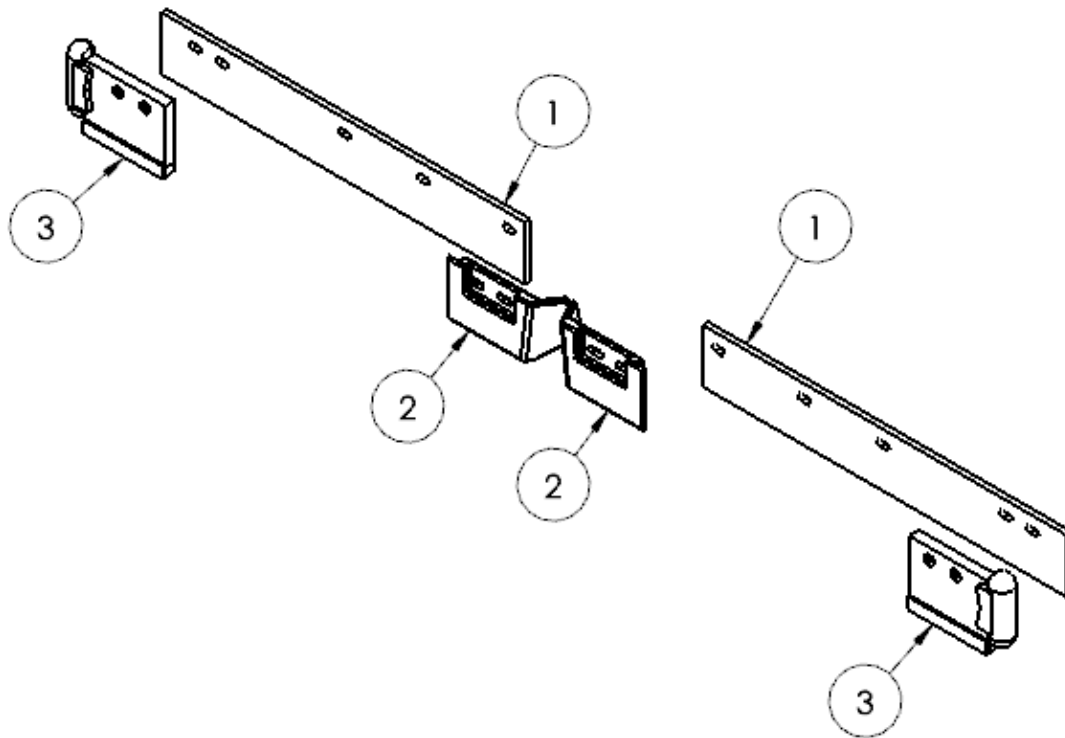


Image above shows an overview of components.