VALOR® VSI - BELT DRIVE

Cubical aggregates, Manufactured Sands and Eliminates Unsound Material

FEATURES

» Hydraulic lid improves safety and simplifies access to crusher chamber.

» Multiple chamber options for maximum flexibility including steel on steel, rock on steel and rock on rock.

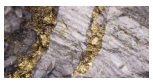
» Vibration switch to protect crusher components in a high vibration situation.

» Backed by a standard 2-year warranty, plus a service team committed to exceeding customer expectations.

APPLICATIONS


Manufactured Sand


Material Beneficiation


Precious Metals Recovery


Re-Crushing Inventory


Fractured Gravel


Cubical products

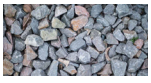

Super Pave Products


Man-Made Materials


Cement Clinker


Concrete Rock


Chips


Shaping


Asphalt

Wheeled

Stationary

Rock Face to Load Out®

SUPERIOR®

01/ HYDRAULIC LID LIFTER
Simple hydraulic controls to allow safe access to chamber. Safety switch and support arm are additional safeguards.

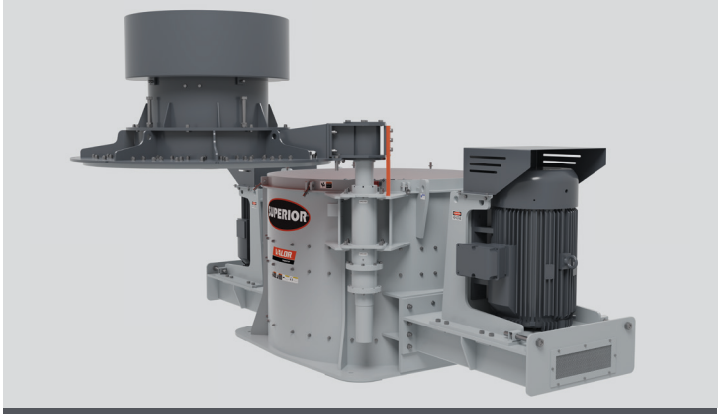
02/ FEED TUBE
An external design on all models allows adjustments without opening the crusher.

03/ CRUSHING CHAMBER
Convertible crushing chamber from anvil ring to rock-shelf for greater application flexibility.

04/ BEARING ASSEMBLY
Replaceable pedestal style component can also be rebuilt in a shop environment.

05/ BRANDED BEARINGS
High capacity, high load rated bearings.

06/ AIR TRANSFER SYSTEM
Reduces possible dust emissions.

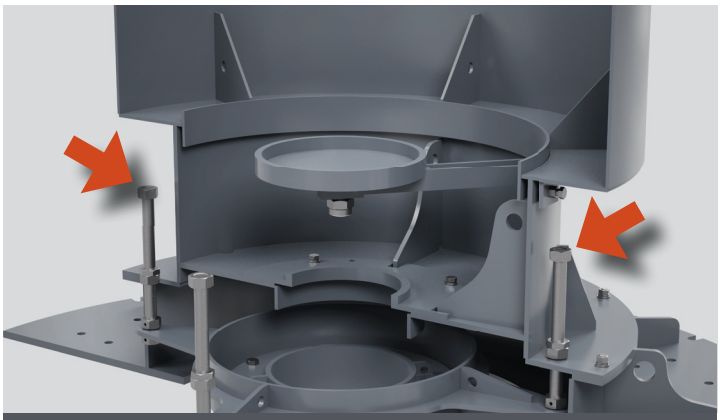


HYDRAULIC LID LIFTER

» Simple hydraulic controls to allow safe access to chamber. Safety switch and support arm are additional safeguards.

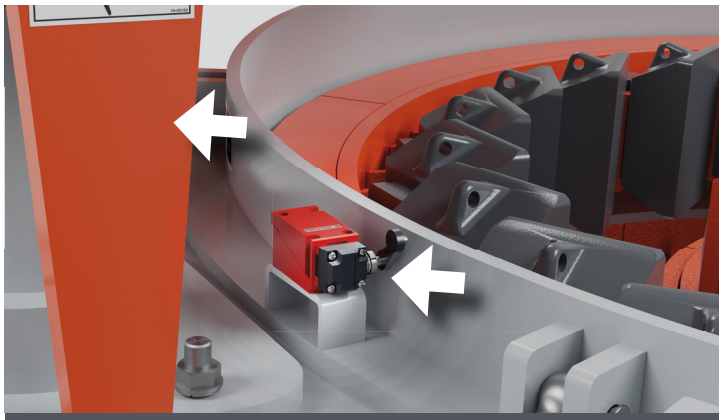
VIBRATION PROTECTION SWITCH

» Protects the crusher from catastrophic failure if an imbalance occurs.



EXTERNALLY ADJUSTED FEED TUBE

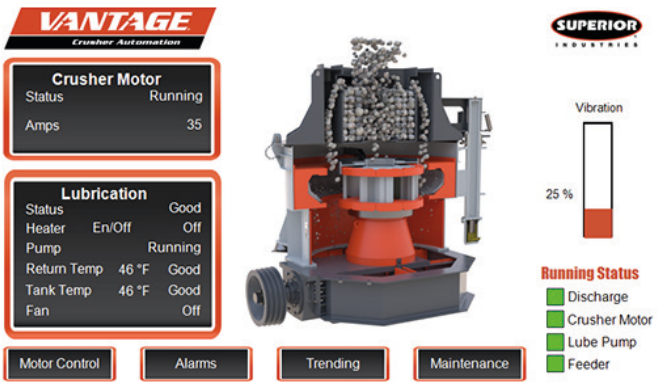
» Allows for the adjustment of the feed tube without opening the crusher.



MICRO SAFETY SWITCH

» Safety switch interrupts power and provides protection to operators while servicing crusher.

» Safety support arm prevents lid from lowering in the event of a loss of hydraulic pressure.

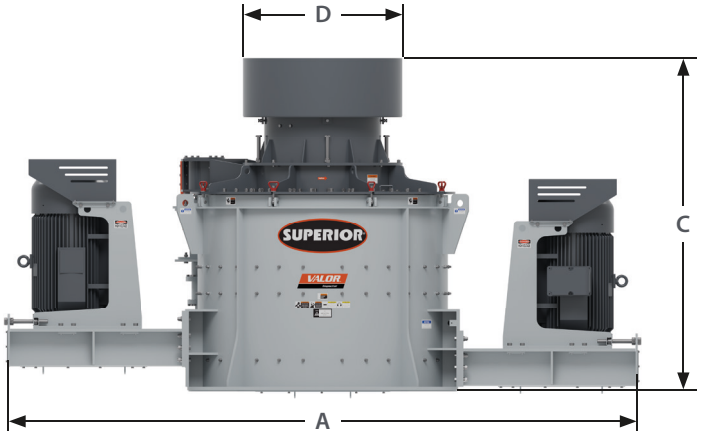


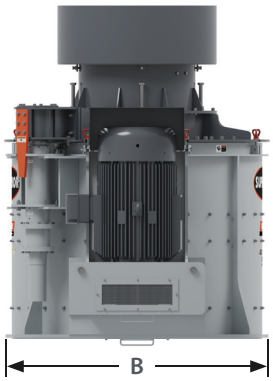
VANTAGE® AUTOMATION

» Track to improve efficiency, alarms for harmful conditions and precise control.

2-YEAR/ 6000 HR WARRANTY

BELT DRIVE SPECIFICATIONS





VSI-B CRUSHER DIMENSIONS

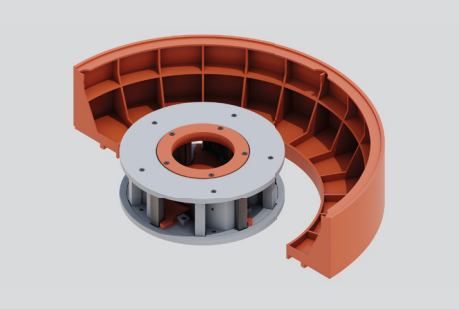
Model	A		B		C		D	
	mm	inch	mm	inch	mm	inch	mm	inch
V1680 Single Drive	3,429	135.0″	2,159	85.0″	2,210	87.0″	737	29.0″
V2160 Single Drive	4,115	162.0″	2,324	91.5″	2,910	114.6″	1,397	55.0″
V2160 Dual Drive	5,563	219.0″	2,324	91.5″	2,910	114.6″	1,397	55.0″

TYPICAL PHYSICAL PROPERTIES

		Max Feed Size		Table/Rotor Diameter		Est. Max Capacity		Typical Horsepower Range		Weights	
Model	Configuration	mm	inch	mm	inch	mtph	stph	kW	hp	kg	lbs
V1680 Single Drive	Impeller Table & Anvils (SOS)	63.0	2.5"	660	26″	225	250	185	250	8,000	17,600
	Rotor & Anvil (ROS)	32.0	1.25"	686	27″	70 - 180	77 - 198	110 - 160	150 - 200	8,156	17,980
	Rotor & Rockbox (ROR)	32.0	1.25"	686	27″	70 - 180	77 - 198	110 - 160	150 - 200	7,404	16,324
V2160 Single Drive	Impeller Table & Anvils (SOS)	101.6	4.0"	914 - 1,066	36″ - 42″	180 - 385	200 - 425	150 - 225	200 - 300	11,952	26,350
	Rotor & Anvil (ROS)	60.0	2.38"	812 - 914	32″ - 36″	163 - 362	180 - 400	150 - 225	200 - 300	11,483	25,317
	Rotor & Rockbox (ROR)	60.0	2.38"	812 - 914	32″ - 36″	163 - 362	180 - 400	150 - 225	200 - 300	8,983	19,805
V2160 Dual Drive	Impeller Table & Anvils (SOS)	101.6	4.0"	914 - 1,066	36″ - 42″	300 - 550	330 - 500	315 - 440	400 - 600	14,800	32,628
	Rotor & Anvil (ROS)	60.0	2.38"	812 - 914	32″ - 36″	275 - 380	250 - 425	250 - 440	350 - 600	14,500	31,967
	Rotor & Rockbox (ROR)	60.0	2.38"	812 - 914	32″ - 36″	275 - 380	250 - 425	250 - 440	350 - 600	12,000	26,455

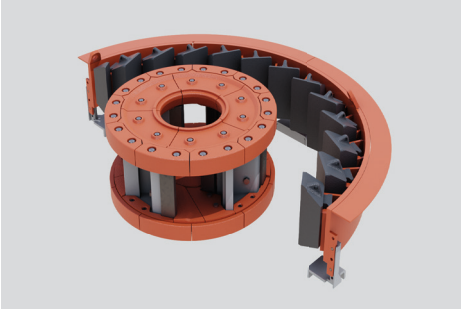
Projected crusher capacities are based on a material having a work index of 12-14, with a bulk density of 100 lbs/ft^3 (1.6 mt/m^3). The crusher drive assemblies are to be maintained in good working order with the ability to apply all available horsepower without drive belt slippage. Plant installation to ensure the crusher is able to operate continuously consuming the FLA rating of the motor(s) with the equipment able to accept and discharge material freely.

CRUSHING CHAMBER CONFIGURATIONS



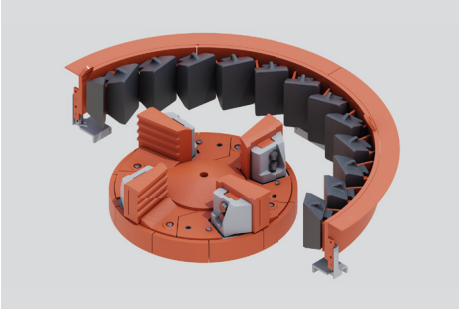
ROCK ON ROCK (ROR)

- Enclosed Rotor and Rock Shelf
- Feed sizes to 2-3/8”
- High abrasion materials



ROCK ON STEEL (ROS)

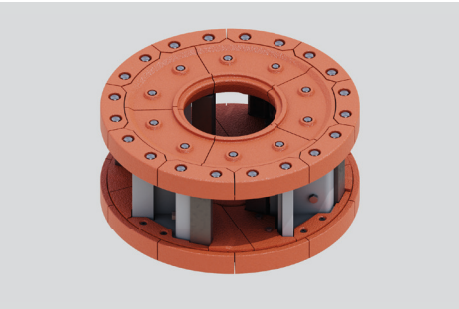
- Enclosed Rotor and Anvils
- Feed sizes to 2-3/8”
- Medium abrasion materials



STEEL ON STEEL (SOS)

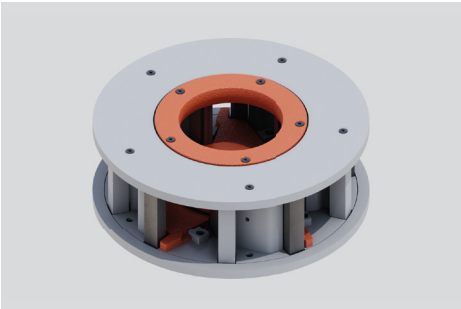
- Shoe and Anvil
- Feed size up to 4”
- Low to medium abrasion materials

HEAD CONFIGURATIONS



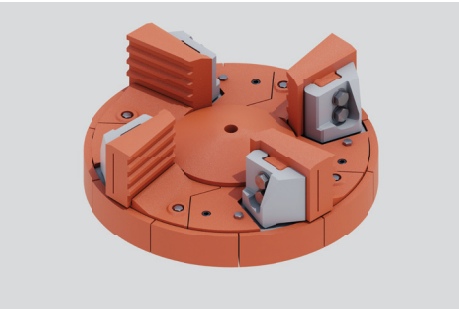
CAST ROTOR

- 4 port available
- Parts interchangeable between top and bottom
- No hardfacing required



FABRICATED ROTOR

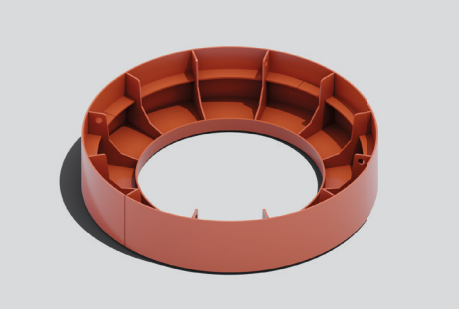
- 4, 5 and 6 ports available
- Designed with fewest parts possible
- No hardfacing required



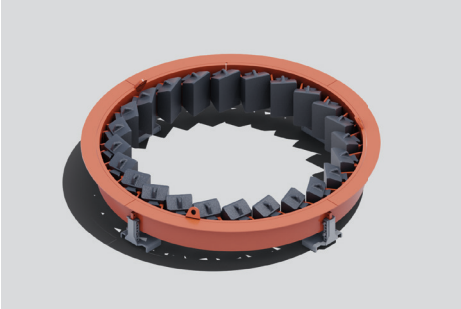
OPEN SHOE TABLE

- 4, 5 and 6 shoes available
- 28% chrome and ceramic available
- Designed for easy maintenance

CHAMBER CONFIGURATIONS



ROCK SHELF



ANVIL RING

FUSION® PLATFORM SYSTEMS

» Customized to fit applications

» Pre-engineered to reduce lead time

» Simple and quick assembly time in the field

PORTABLE PLANTS

» Multiple feed and discharge configurations

» Customized to fit applications

» Superior branded conveyor components