



VALOR® VSI - GEAR DRIVE

Cubical aggregates, Manufactured Sands and Eliminates Unsound Material

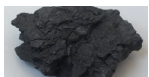
FEATURES

- » Side access inspection door 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



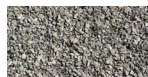
Man-Made Materials



Cement Clinker



Concrete Rock



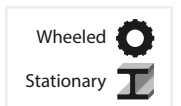
Chips



Shaping

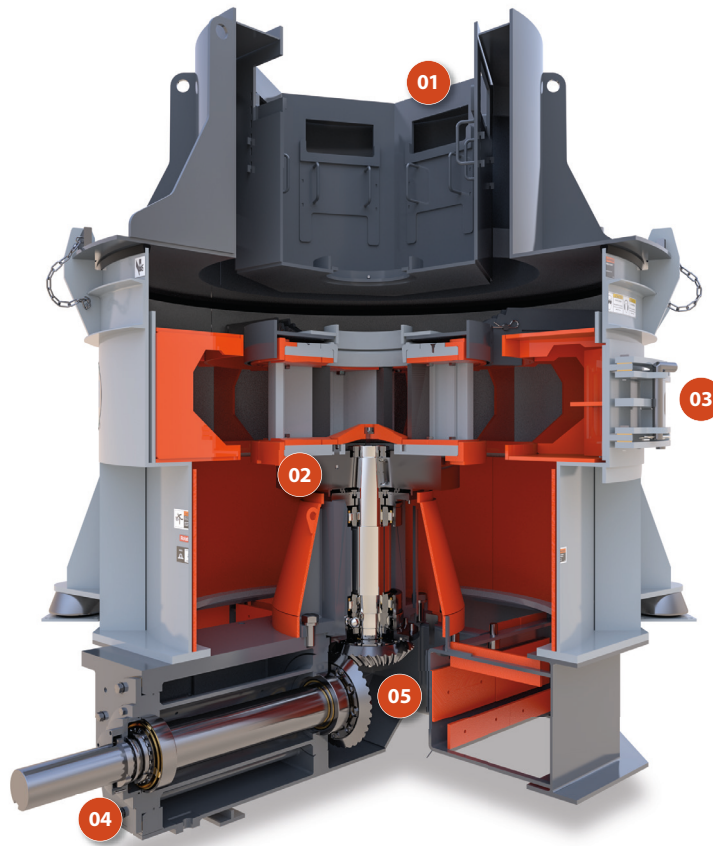


Asphalt



Rock Face to Load Out®





01/ BYPASS FEED*

Decreases HP usage while increasing crusher throughput. Capable of bypassing up to 30% feed directly into crushing chamber.

02/ PEDESTAL / BEARING CARTRIDGE

Greaseless and maintenance free upper seal. High capacity upper and lower cylindrical roller bearing. Dedicated thrust bearing.

03/ SIDE ACCESS INSPECTION DOOR

Provides easy access into the crushing chamber for easy maintenance.

04/ RIGHT ANGLE PINION GEAR BOX

Cartridge style for easy removal and maintenance. Simplifies drive motor arrangement (deck mount). Safe and simple access to drive components.

05/ SPIRAL BEVEL GEARS

Spiral tooth gearing engages more gradually giving an efficient transfer of horsepower. Proven to perform at higher speeds with less noise and vibration.

* Rotor configurations only

HIGHLIGHTS



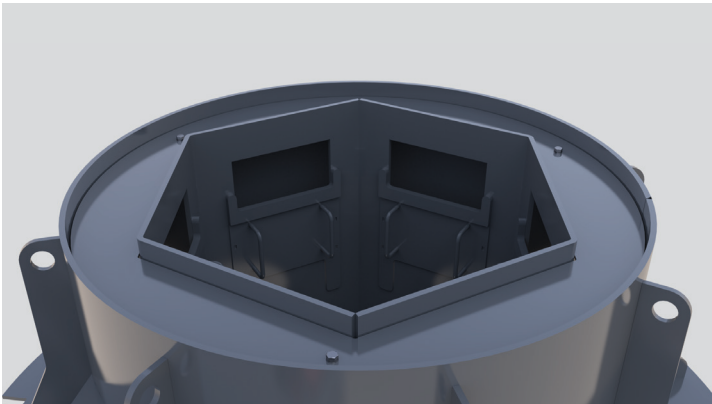
HYDRAULIC LID LIFTER

- » Simple hydraulic controls to allow safe access to chamber for removal of table or rotor. Safety switch and support arm are additional safeguards.



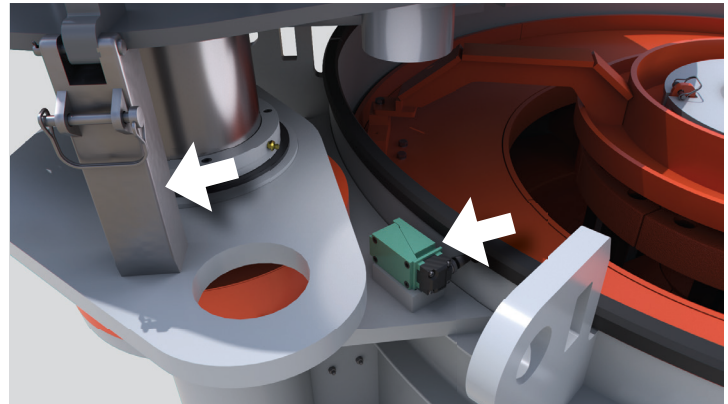
VIBRATION PROTECTION SWITCH

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



BYPASS FEED

- » Increases crusher throughput. Capable of bypassing up to 30% feed directly into crushing chamber.



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
Crusher Automations

Crusher Motor	
Status	Running
Amps	35

Lubrication	
Status	Good
Heater	En/Off Off
Pump	Running
Return Temp	46 °F Good
Tank Temp	46 °F Good
Fan	Off

SUPERIOR
INDUSTRIES

Vibration

25%

Running Status

- Discharge
- Crusher Motor
- Lube Pump
- Feeder

Motor Control

Alarms

Trending

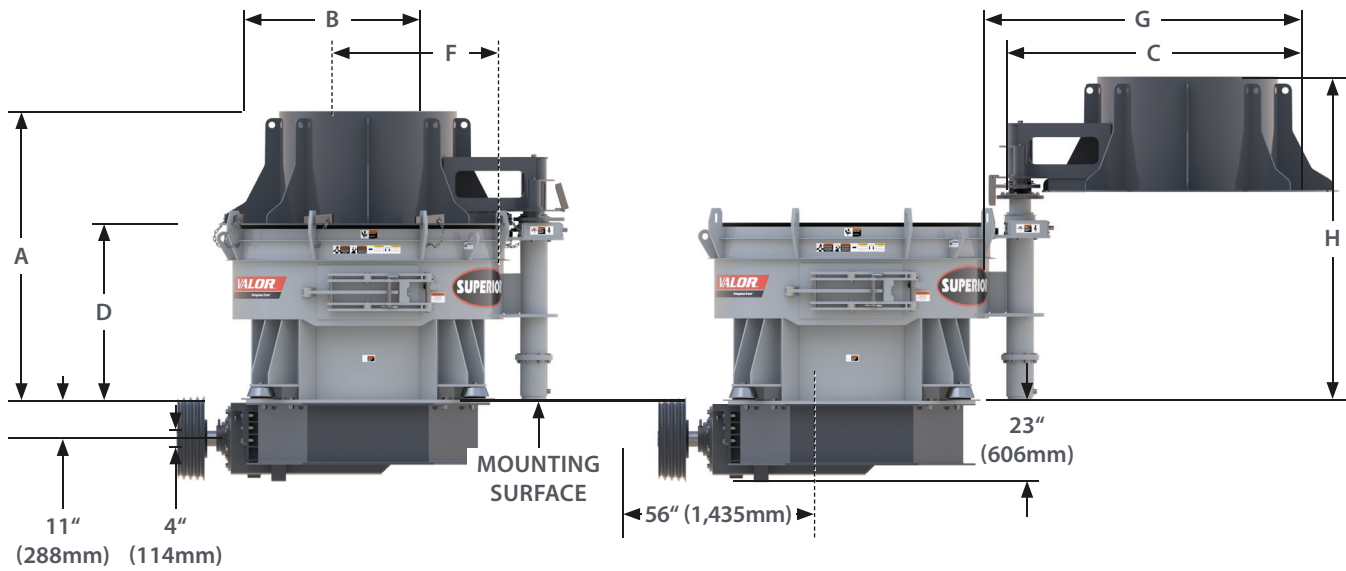
Maintenance

VANTAGE® AUTOMATION

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

2-YEAR/
6000 HR
WARRANTY

GEAR DRIVE SPECIFICATIONS



VSI-G CRUSHER DIMENSIONS

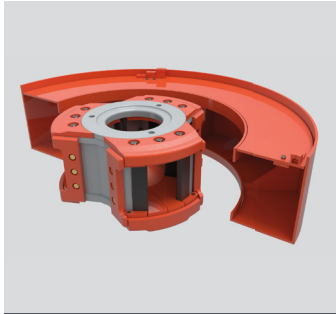
Model	A		B		C		D		E		F		G		H	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
V400G	2,096	82.5"	1,232	48.5"	2,134	84.0"	1,270	50.0"	1,930	76.0"	1,194	47.0"	2,264	89.1"	2,248	88.5"
V600G	2,165	85.2"	1,334	52.5"	2,235	88.0"	1,327	52.2"	2,032	80.0"	1,245	49.0"	2,362	93.0"	2,318	91.3"
V800G	2,235	88.0"	1,448	57.0"	2,464	97.0"	1,359	53.5"	2,261	89.0"	1,359	53.5"	2,591	102.0"	2,388	94.0"

TYPICAL PHYSICAL PROPERTIES

Model	Configuration	Max Feed Size		Table/Rotor Diameter		Est. Max Capacity		Typical Horsepower Range		Weights	
		mm	inch	mm	inch	mtph	stph	kW	hp	kg	lbs
V400G	Impeller Table & Anvils (SOS)	101	4.0"	914	36"	230	250	315	400	9,549	21,052
	Rotor & Anvil (ROS)	50	2.0"	812	32"	250	275	315	400	9,342	20,596
	Rotor & Rockbox (ROR)	50	2.0"	812	32"	250	275	315	400	7,965	17,560
V600G	Impeller Table & Anvils (SOS)	101	4.0"	1066	42"	360	400	440	600	11,091	24,452
	Rotor & Anvil (ROS)	76	3.0"	914	36"	320	350	440	600	10,850	23,920
	Rotor & Rockbox (ROR)	63	2.5"	914	36"	320	350	440	600	9,131	20,131
V800G	Impeller Table & Anvils (SOS)	203	8.0"	1168	46"	550	600	630	800	12,249	24,800
	Rotor & Anvil (ROS)	76	3.0"	1016	40"	450	500	630	800	10,971	24,187
	Rotor & Rockbox (ROR)	63	2.5"	1016	40"	450	500	630	800	9,162	20,198

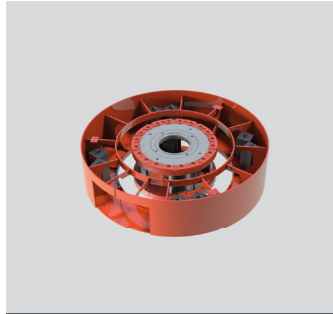
Projected crusher capacities are based on a material having a work index of 12-14, with a bulk density of 100 lbs/ft³ (1.6 mt/m³). The crusher drive assemblies are to be maintained in good working order with the ability to apply all available horsepower without drive belt slippage. Plant installation 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. The maximum feed sizes provided are referencing the longest one way dimension of the material.

CRUSHING CHAMBER CONFIGURATIONS



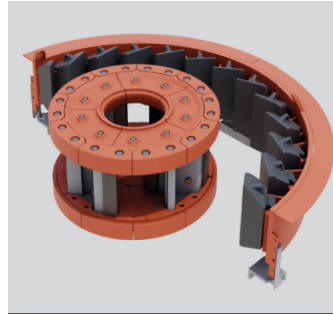
ROCK ON ROCK (ROR)

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



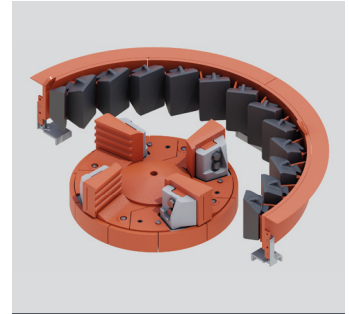
ROCK SHELF

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



ROCK ON STEEL (ROS)

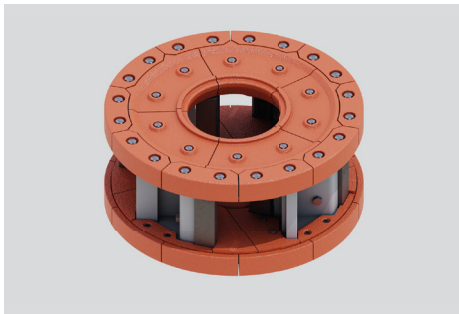
- » Enclosed Rotor and Anvils
- » Feed sizes to 2-3/8"
- » Medium to high abrasion materials



STEEL ON STEEL (SOS)

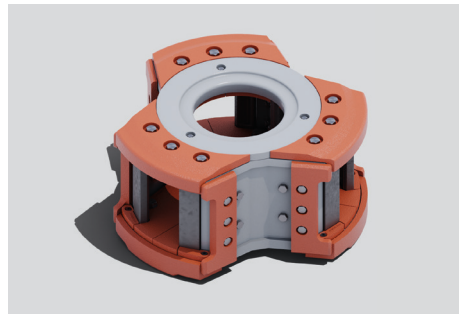
- » Shoe and Anvil
- » Feed size up to 4"
- » Low to medium abrasion materials

HEAD CONFIGURATIONS



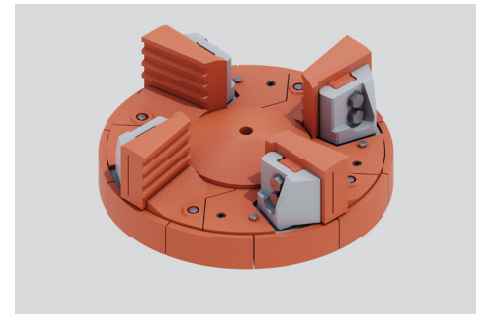
CAST ROTOR

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



CAST SYMMETRY ROTOR

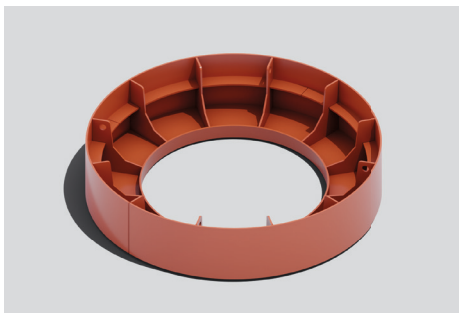
- » 3 port available
- » Parts are interchangeable
- » No hardfacing required



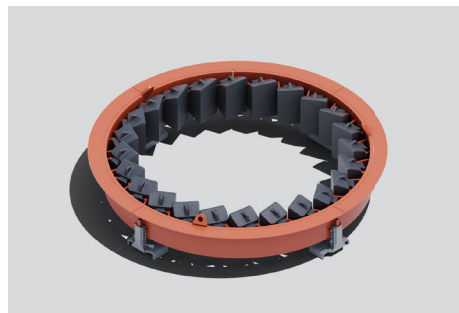
OPEN SHOE TABLE

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

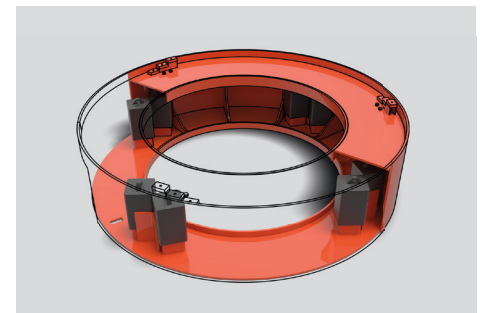
CHAMBER CONFIGURATIONS



ROCK SHELF



ANVIL RING



HYBRID ROCK SHELF

DELIVERY METHODS



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