

# TITAN® T500

## Cone Crusher



### **Crusher**

- Full top service
- Patented Hybrid Bearings
  - More stable cone head
  - Higher capacity
  - Less friction
  - Allows easy, more frequent bearing inspection
- Re-usable Concave Collet
  - No wedges or sledge hammer required
- Patented Thread Scraper
- Metric Design
- Thread Locking Mechanism
- Patented Anti-Spin System
  - Hydraulic restraint
  - Uses cone-lube oil
  - Automatic reset
  - Less parts/repair cost
- Balanced eccentric assembly
  - No socket or socket liner to remove
- FEA Stress Analysis
- Cast Steel Frame With Bronze Radial and Thrust Bearings
- Hydraulic Relief and Clearing System
- Dynamic Bowl Adjust System
- Receiving hopper
- Manganese chamber liners
- Per-wired alarm panel and hydraulics operation panels
- Basic tool kit
- Operation and maintenance manuals

### **Oil Lube System**

- 10/15HP oil pump assembly
- 95gal (360L) tank oil
- Oil filter(s)
- (2) 3kW oil heaters

### **Hydraulic System**

- 15/20HP pump assembly
- 30gal (114L) tank
- Pressure and return filters
- 3kW oil heater, cooler, and control panel with pendant

### **TRAC10® Automation System (Optional)**

- Operator Interface Terminal
- 12" full color touchscreen display
- Remote crusher setting adjustment and tracking
- Overload protection
- Automatic liner calibration
- Liner wear tracking and compensation
- Ability to modify settings while crushing
- Parameter history, alarm logging, and PLC communication
- Package can operate up to 4 crushers with one display

### **Crusher Options**

- Electric motor(s)
- Motor slide rails
- V-belt drive and guard
- Air-to-oil cooling system
- High ambient/high altitude air-to-oil cooling system
- Cold weather package
- Stationary feed basket
- Deluxe tool kit including all lifting devices
- TRAC10® Automatic power adjust mode
- TRAC10® Automatic feed control
- TRAC10® Wi-Fi connection
- TRAC10® Remote diagnostics package

## Physical/Operating Characteristics

Dimension	Standard	Metric
A	88.68"	2,253mm
B	81.68"	2,075 mm
C		
D	57.25"	1,455mm
E	74.69"	1,898mm
F	107.09"	2,721 mm
H	114.34"	2,905mm
I	57.09"	1,451 mm
J	57.25"	1,455mm
L	69.5"	1,766mm
M	34.75"	883mm
N	83.45"	2,120mm
O	34.75"	883mm
P	69.50"	1,766mm

Dimension	Standard	Metric
Head Diameter	57"	1,450mm
Operating Range	825 - 1,050 RPM	
Maximum Feed Size*	14.20"	361mm
Clearing Stroke	7"	178mm
Horsepower	500hp	375kw
Total Weight	75,100lb	34,065kg
Upper Frame Assembly with Liner	26,500lb	12,020kg
Main Frame Assembly with Main Shaft and Liners	26,900lb	12,202kg

