

1516 PORTABLE IMPACTOR PRIMARY PLANT



STANDARD FEATURES

Model 1516 Andreas-Type Crusher

- ▶ Large, unobstructed feed and discharge openings
- ▶ Hydraulic opening for ease of maintenance, 460/380V power unit
- ▶ Easy access inspection doors for critical areas
- ▶ Limit switch to lock out power when frame is open
- ▶ High strength exterior side plates
- ▶ Interchangeable AR400 frame liners
- ▶ Removable top for breaker plate access

Rotor

- ▶ Balanced, high strength, high inertia 3-bar rotor
- ▶ Huck bolted chrome-nickel-moly steel tapered stub shaft
- ▶ Hydraulically removable, 220mm spherical roller bearings with Taconite II seals
- ▶ Replaceable rotor disk protectors
- ▶ Rotor lock pin for maximum safety
- ▶ Simple single wedge impeller bar locking system

Impeller Bars

- ▶ Simple, quick impeller bar repositioning and replacement
- ▶ Single piece manganese bars have 3 wear surfaces for long life
- ▶ Impeller bar lifting tool

Breaker Plates

- ▶ Cast manganese “monoblock” primary breaker plate
- ▶ Interchangeable tool steel secondary breaker plate liners
- ▶ Simple wrench adjustment of breaker plate settings
- ▶ Reinforced side plates at breaker plate mounting points
- ▶ Baffled undercrusher with liners and rockshelves

Feeder Module (skid mounted)

- ▶ 52" x 20' (1321 x 6096 mm) vibrating grizzly feeder with loading hopper
- ▶ Adjustable grizzly bars
- ▶ Crusher bypass chute with flop gate to divert material passing grizzly to separate chute or undercrusher conveyor
- ▶ V-belt drive with pivoted motor base

Main Frame

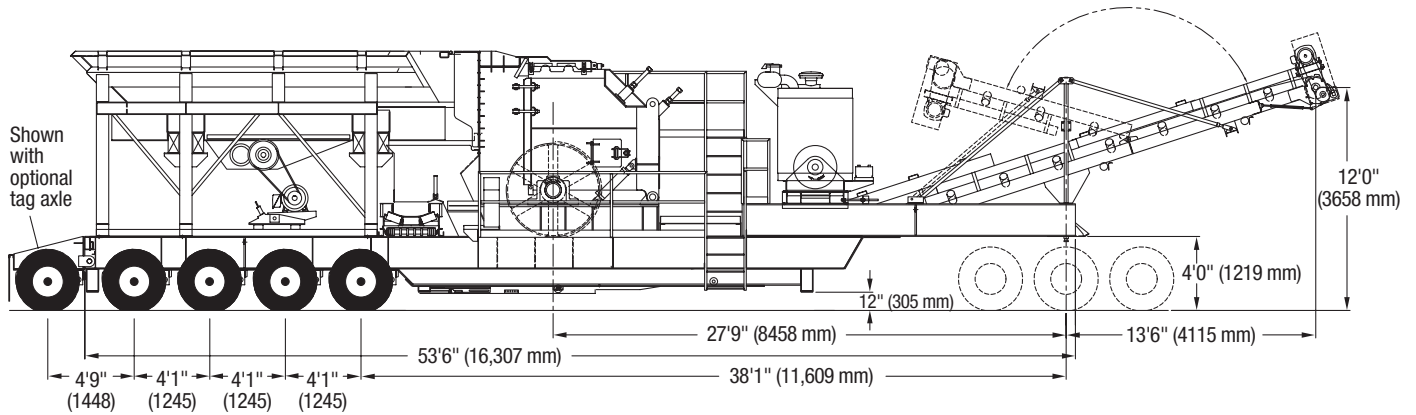
- ▶ Fifth wheel kingpin
- ▶ Air ride quad axle
- ▶ Mud flaps and turn signals
- ▶ Access platform to adjust crusher breaker plates
- ▶ Equipped for semi-trailer towing

OPTIONAL EQUIPMENT

- ▶ Hydraulic assist for breaker plate adjustment
- ▶ High chrome liners for secondary breaker plate
- ▶ Spring bridge
- ▶ V-belt drive
- ▶ 4-bar rotor
- ▶ Tool steel impeller bars
- ▶ Fifth tag axle
- ▶ Diesel power package
- ▶ Electrical switchgear
- ▶ Front landing jacks
- ▶ 12' (3658 mm) conveyor discharge height
- ▶ VGF variable speed drive
- ▶ Grizzly bypass conveyor

SPECIFICATIONS

Terex® Minerals Processing Systems Cedarapids 1516 Portable Impactor Primary Plant



Unit shown with optional equipment

SPECIFICATIONS

1516 Andreas - Type Crusher

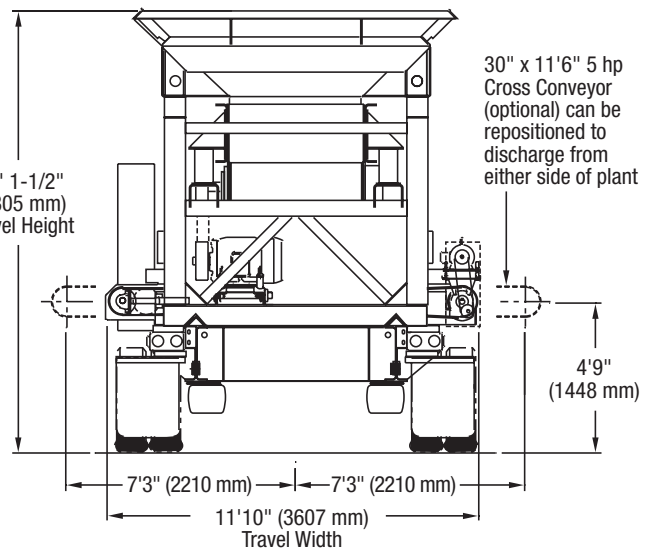
Actual feed opening with VGF	40" x 65" (1016 x 1651 mm)
Inlet feed opening (less VGF)	52" x 65" (1321 x 1651 mm)
Discharge opening	77" x 65" (1956 x 1651 mm)
Maximum feed size	34" (864 mm)
Tonnage	600 - 800 TPH (544 - 725 MTPH)
Horsepower	400 - 500 hp (298 - 373 kW)
Rotor speed	300 - 500 RPM
Tip speed	4712 - 7854 ft/min (24 - 42 m/s)
Bearing size	220 mm
Rotor diameter	61" (1549 mm)
Rotor width	64" (1626 mm)
Side plate thickness	5/8" (16 mm)
Standard impeller bar length	64" (1626 mm)
Standard impeller bar thickness	5" (127 mm)
Breaker plate liner size	8" x 16" (203 x 406 mm)
Breaker plate liner thickness	3" (76 mm)
Side plate liner thickness	1-1/2" (38 mm)

Approximate weights:

Base unit	56,000 lbs (25,368 kg)
Cast primary "monoblock" breaker plate	8,600 lbs (3896 kg)
Standard impact bars (ea.)	1,300 lbs (589 kg)
Breaker plate liner (ea.)	103 lbs (47 kg)
Side plate liner range	34-106 lbs (15-48 kg)

Main Frame

Operating height	15' 5-1/2" (4712 mm)
Travel height	14' 1-1/2" (4305 mm)
Operating length (with discharge conveyor extended):	
With quad axle	67'-0" (20,422 mm)
With optional tag axle	70'-10" (21,590 mm)



Operating width	14'-6" (4420 mm)
Travel width	11'-10" (3607 mm)
Travel length:	
With quad axle	53'-6" (16,307 mm)
With optional tag axle	57'-4" (17,475 mm)

Approximate weights:

Total with quad axle and VGF removed	113,200 lbs (51,280 kg)
Total with tag axle and VGF	140,000 lbs (63,420 kg)
Kingpin with quad axle and VGF removed	47,000 lbs (21,291 kg)
Kingpin with tag axle and VGF	48,000 lbs (21,744 kg)
Quad axle with VGF removed	65,200 lbs (29,536 kg)
Tag axle with VGF installed	93,000 lbs (42,129 kg)

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