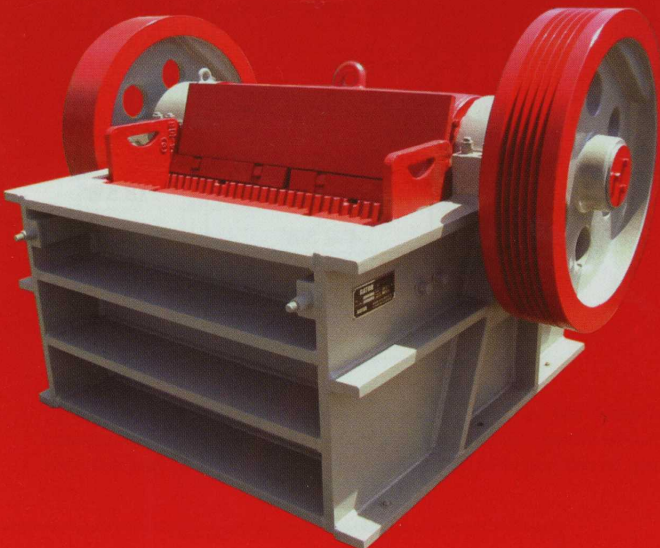


# PEX

1047 Jaw Crusher



## The Affordable Alternative in New Crushing Equipment

### Standard Features

- Single wall main frame of stress relieved steel
- Open back for easy maintenance
- All working parts lubricated for moisture and dirt protection
- Reversible manganese jaw dies for maximum wear life
- Spherical, self-aligning roller bearings
- Isolated, close running annular/labyrinth seals protect bearings from dust and water
- Removable pitman/bearing assembly for maintenance ease
- Hydraulic or manual shim adjustment
- Heavy duty, cast steel pitman with machined barrel
- Machined pitman face for full swing jaw die support
- Smooth running flywheels with compression ring fastening arrangement
- Pitman wear plate

### Optional Features

- Electric motor
- Drive sheave and bushing



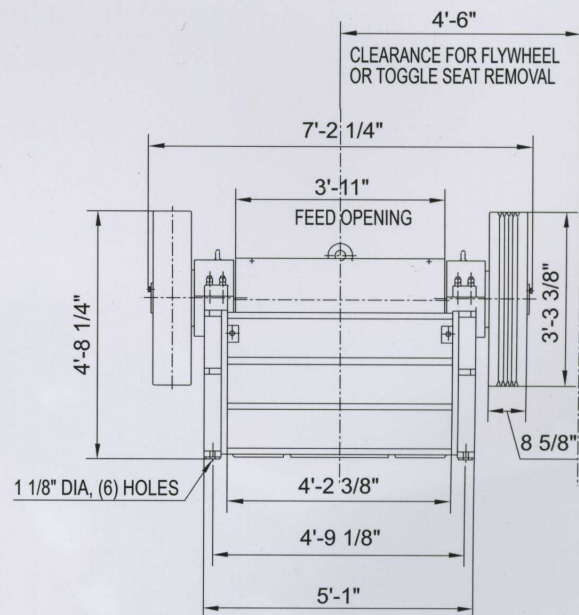
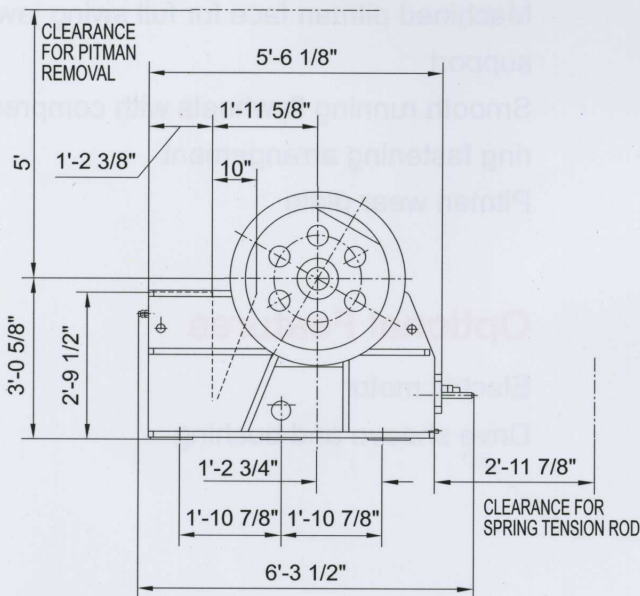


## The Affordable Alternative in New Crushing Equipment

### Specifications

|                     |              |
|---------------------|--------------|
| Feed opening        | 10" × 47"    |
| Discharge setting   | 3/4" to 3"   |
| Maximum feed size   | 8"           |
| Production range    | 20 to 80 TPH |
| Discharge setting   |              |
| 3/4"                | 20 to 30 TPH |
| 1"                  | 30 to 40 TPH |
| 1-1/2"              | 40 to 50 TPH |
| 2"                  | 50 to 60 TPH |
| 2-1/2"              | 60 to 70 TPH |
| 3"                  | 70 to 80 TPH |
| Required horsepower | 50 HP        |
| Rotor speed         | 330 RPM      |

|                                   |                   |
|-----------------------------------|-------------------|
| Weights (LBS)                     |                   |
| Crusher                           | 16,900            |
| Flywheel                          | 1,450             |
| Swing jaw die                     | 925               |
| Fixed jaw die                     | 825               |
| Standard part dimensions (inches) |                   |
| Fixed jaw length                  | 28"               |
| Swing jaw length                  | 31"               |
| Bearing information               |                   |
| Size                              | 200 × 360 × 98 mm |
| Bearing No.                       | 22240CC/W33       |



Note: Because of the nature of jaw crushers, it is not possible to produce a product all of which will pass a screen opening equivalent to the discharge setting. Oversize should be expected, and will fluctuate depending on the rock characteristics. For close settings, all undersize material should be screened off to increase the effectiveness of the jaw and to reduce wear on the jaw dies. Although the crusher may be configured to have a different discharge opening than indicated above, this crusher model is not designed to operate at other settings.





## Jaw Crusher Capacity in Tons

| Closed Side Setting | 10 x 30 | 10 x 39 | 10 x 47 | 12 x 51 | 10 x 16 | 16 x 24 | 18 x 42 | 20 x 30 | 24 x 36 | 30 x 42 | 32 x 42 | 36 x 48 |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3/4"<br>19mm        | 10~15   | 15~20   | 20~30   |         | 5       |         |         |         |         |         |         |         |
| 1"<br>25.4mm        | 15~25   | 20~30   | 30~40   | 50~70   | 15      |         |         |         |         |         |         |         |
| 1-1/2"<br>38.1mm    | 25~35   | 30~40   | 40~50   | 55~80   | 15~20   | 20~35   |         |         |         |         |         |         |
| 2"<br>50.8mm        | 35~40   | 40~50   | 50~60   | 55~90   | 20~25   | 30~50   |         | 50~65   |         |         |         |         |
| 2-1/2"<br>62.5mm    | 40~45   | 50~55   | 60~70   | 75~100  | 25~30   | 35~60   |         | 65~80   |         |         |         |         |
| 3"<br>76.2mm        | 45~50   | 55~60   | 70~80   | 85~110  |         | 45~70   |         | 80~95   | 70~90   | 100~125 |         |         |
| 3-1/2"<br>88.9mm    |         |         |         | 100~130 |         | 55~75   | 60~75   | 95~110  | 80~110  | 125~150 |         |         |
| 4"<br>101.6mm       |         |         |         |         |         | 60~80   | 70~90   | 110~120 | 90~120  | 150~175 | 150~175 | 280~340 |
| 4-1/2"<br>114.3mm   |         |         |         |         |         |         | 80~105  |         | 110~140 | 175~200 | 175~200 | 300~350 |
| 5"<br>127.0mm       |         |         |         |         |         |         | 90~120  |         | 120~170 | 200~225 | 200~225 | 320~370 |
| 6"<br>152.4mm       |         |         |         |         |         |         |         |         |         | 225~250 | 225~250 | 360~400 |
| 7"<br>177.8mm       |         |         |         |         |         |         |         |         |         |         | 250~275 | 380~420 |
| 8"<br>203.2mm       |         |         |         |         |         |         |         |         |         |         | 275~300 | 400~450 |

All capacities are based on 100 lbs. per cubic ft. weight of rock. Tonnage may vary depending on size of feed, rate of feed, peropare operation and operating conditions, breaking characteristics and compression strength of rock samples. Type and condition of jaw face and horsepower used can also effect production capacity.