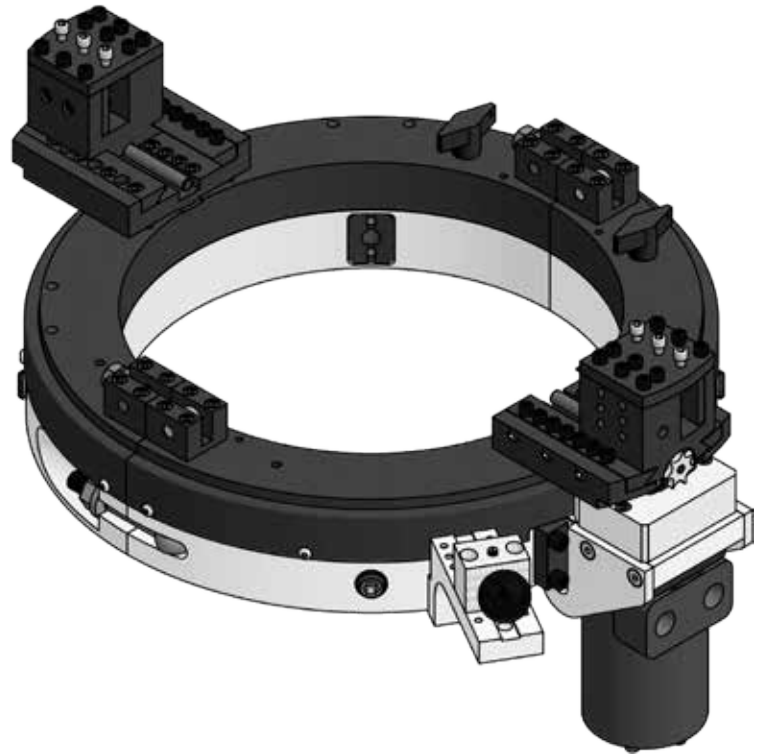


# 812LC CLAMSHELL LATHE

MACTECH PORTABLE MACHINING SOLUTIONS

## Features

- Sever, Sever/Bevel and End Prep 6 to 12-3/4 inch diameter pipe.
- Cold cutting in hazardous environments.
- Exceptionally rigid split-frame for precise on-site machining.
- Lightweight, low clearance design for easy handling in tight working spaces.
- Tool Holder accepts standard 3/4 or 1 inch tool bits.
- Air Caddy (air filter and oiler) included with air drive systems.
- Custom setups and drives available for your application.



## 812LC Nominal Pipe Size (NPS) Application Range

| Nominal Pipe Size (in.) | Schedule No. | Wall Thickness (in.) | Inside Diameter (in.) | Nominal Pipe Size (in.) | Schedule No. | Wall Thickness (in.) | Inside Diameter (in.) |
|-------------------------|--------------|----------------------|-----------------------|-------------------------|--------------|----------------------|-----------------------|
| 6<br>(6.625)            | 5S           | 0.109                | 6.407                 | 10<br>(10.750)          | 5S           | 0.134                | 10.482                |
|                         | 10S          | 0.134                | 6.357                 |                         | 10S          | 0.165                | 10.420                |
|                         | 40ST, 40S    | 0.280                | 6.065                 |                         | 20           | 0.250                | 10.250                |
|                         | 80XS, 80S    | 0.432                | 5.761                 |                         | 30           | 0.307                | 10.136                |
|                         | 120          | 0.562                | 5.501                 |                         | 40ST, 40S    | 0.365                | 10.020                |
|                         | 160          | 0.719                | 5.187                 |                         | 60XS, 80S    | 0.500                | 9.750                 |
|                         | XX           | 0.864                | 4.897                 |                         | 80           | 0.594                | 9.562                 |
| 8<br>(8.625)            | 5S           | 0.109                | 8.407                 | 12<br>(12.750)          | 100          | 0.719                | 9.312                 |
|                         | 10S          | 0.148                | 8.329                 |                         | 120          | 0.844                | 9.062                 |
|                         | 20           | 0.250                | 8.125                 |                         | 140, XX      | 1.000                | 8.750                 |
|                         | 30           | 0.277                | 8.071                 |                         | 160          | 1.125                | 8.500                 |
|                         | 40ST, 40S    | 0.322                | 7.981                 |                         | 5S           | 0.156                | 12.438                |
|                         | 60           | 0.406                | 7.813                 |                         | 10S          | 0.180                | 12.390                |
|                         | 80XS, 80S    | 0.500                | 7.625                 |                         | 20           | 0.250                | 12.250                |
|                         | 100          | 0.594                | 7.437                 |                         | 30           | 0.330                | 12.090                |
|                         | 120          | 0.719                | 7.187                 |                         | ST, 40S      | 0.375                | 12.000                |
|                         | 140          | 0.812                | 7.001                 |                         | 40           | 0.406                | 11.938                |
|                         | XX           | 0.875                | 6.875                 |                         | XS, 80S      | 0.500                | 11.750                |
|                         | 160          | 0.906                | 6.813                 |                         | 60           | 0.562                | 11.626                |
|                         |              |                      |                       |                         | 80           | 0.688                | 11.374                |
|                         |              |                      |                       |                         | 100          | 0.844                | 11.062                |
|                         |              |                      |                       |                         | 120, XX      | 1.000                | 10.750                |
|                         |              |                      |                       |                         | 140          | 1.125                | 10.500                |
|                         |              |                      |                       |                         | 160          | 1.312                | 10.126                |

## Application Range

6.00 to 12.75 inch (152 to 324 mm) diameter pipe, NPS 6 to 12

## Feed

Feed Mechanism: 7 point starwheel and tripper

Feed Rate: .004 inch (0.09 mm) per revolution

## Drives

### Air Drive

Air supply requirement: 100 cfm @100 psi (2.8 m<sup>3</sup>/min @ 6.9 bar)

### Hydraulic Drive

HPU requirement: 10-15 gpm @ 1000 psi (38-57 lpm @ 69 bar) continuous pressure  
Hydraulic motor includes hose whips and quick-disconnects

## Weights (includes tool blocks and motor)

### Operating Weights

812LC Air Drive: 100 lbs. (45 kg)

812LC Hydraulic Drive: 107 lbs. (49 kg)

### Shipping Weights

812LC Air Drive: 189 lbs. (86 kg)

812LC Hydraulic Drive: 183 lbs. (83 kg)

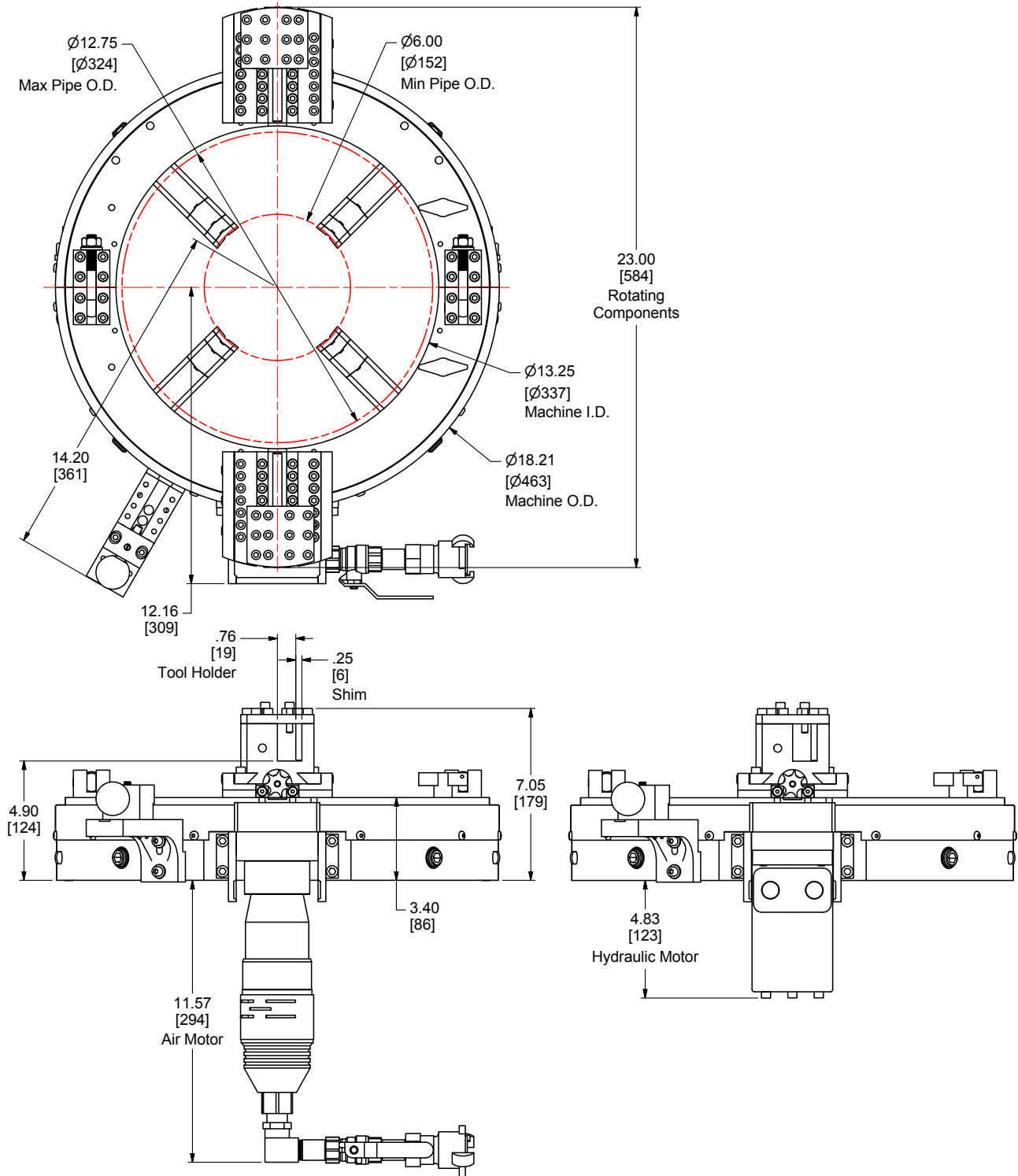
## Options

- Air, Hydraulic or Electric drives
- Full line of tool bits
- Right angle and reversible drives
- Single Point machining attachment
- Axial Feed machining attachment
- Counterbore/Facing attachment
- Hydraulic Power Unit



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