The SHORTSTOPP® 60 Plugging Machine is a temporary pipe plugging device which provides an economical, effective way to stop off piping under pressure without shutdown.

It can be used to isolate pipe sections for repairs, additions or replacements, to relocate or extend lines, and to tie in new lines, all without interrupting flow.

**Features**

The SHORTSTOPP 60 Plugging Machine is versatile. It can be easily converted to a completion machine by replacing the plugging head with a plug holder. An 8" (DN 200) plugging machine can stop either 6" (DN 150) or 8" lines by using the applicable size plugging head. A 12" (DN 300) plugging machine can be similarly adapted to stop off both 10" (DN 250) and 12" lines.

Available in sizes 1-1/4" (DN 32) through 12", the SHORTSTOPP 60 Plugging Machine has a maximum operating pressure of 60 psi (4 bar) and a maximum operating temperature of 180°F (82°C).

The plugging machine is easily installed through TDW SHORTCUTT® Valves on SHORTSTOPP® Fittings. These fittings are designed for ASME Class 150 service.

Refer to data sheets.

**Toll Free**

1-888-TDWmSon (839-6766)
**SHORTSTOPP® 60 Plugging System**

### 1-1/4" (DN 32) SHORTSTOPP® Plugging Machine

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>Lbs.</th>
<th>Kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; (50 mm) plugging machine with a 1-1/4&quot; (32 mm) plugging head, chip sweep, completion plug holder, valve adapter, punch and punch guide.</td>
<td>08-0351-0000</td>
<td>6-1/2</td>
<td>3</td>
</tr>
<tr>
<td>Without the plugging machine. (Plugging head and other components only for use with 2&quot; machine.)</td>
<td>08-0352-0000</td>
<td>1-1/2</td>
<td>1</td>
</tr>
</tbody>
</table>

### 2" and 3" (DN 50 and DN 80) SHORTSTOPP® Plugging Machine

#### 2" (DN 50)

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>Lbs.</th>
<th>Kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plugging machine with plugging head, chip sweep and completion plug holder.</td>
<td>08-0261-0000</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Plugging machine with plugging head only.</td>
<td>08-0265-0000</td>
<td>5-1/2</td>
<td>2.5</td>
</tr>
<tr>
<td>Completion machine including housing and plug holder assembly with crank</td>
<td>08-0142-0000</td>
<td>6-1/2</td>
<td>3</td>
</tr>
</tbody>
</table>

#### 3" (DN 80)

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>Lbs.</th>
<th>Kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plugging machine with plugging head, chip sweep and completion plug holder.</td>
<td>08-1682-0000</td>
<td>10-1/2</td>
<td>5</td>
</tr>
<tr>
<td>Plugging machine with plugging head only.</td>
<td>08-1681-0000</td>
<td>10</td>
<td>5</td>
</tr>
</tbody>
</table>

### Bleeder Valves

<table>
<thead>
<tr>
<th>Bleeder Valve</th>
<th>Part Number</th>
<th>Lbs.</th>
<th>Kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nipple</td>
<td>00-0220-0001</td>
<td>1</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Bleeder valves are required for bleeding off trapped pressure.

### Components

<table>
<thead>
<tr>
<th>Size</th>
<th>Completion Plug Holders Weight</th>
<th>Standard Sealing Cups</th>
<th>*Thin Wall Pipe Sealing Cups</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches DN Part Number Lbs. Kg.</td>
<td>Minimum I. D. mm</td>
<td>Maximum I. D. mm</td>
</tr>
<tr>
<td>1-1/4</td>
<td>32  08-0367-0001  .4 .2</td>
<td>08-0114-0125  1.312 33.3</td>
<td>1.390 35.1</td>
</tr>
<tr>
<td>2</td>
<td>50  08-2301-0000 .8 .4</td>
<td>08-0114-0002  2.067 52.5</td>
<td>2.125 54.0</td>
</tr>
<tr>
<td>3</td>
<td>80  08-2302-0000 1 1.5</td>
<td>08-0114-0003  3.068 77.9</td>
<td>3.188 81.0</td>
</tr>
<tr>
<td>4</td>
<td>100 08-0121-0000 3 1</td>
<td>08-0114-0004  4.026 102.3</td>
<td>4.188 106.4</td>
</tr>
<tr>
<td>6</td>
<td>150 08-0122-0000 2 3/8</td>
<td>08-0114-0006  6.065 154.0</td>
<td>6.323 166.4</td>
</tr>
<tr>
<td>8</td>
<td>200 08-0123-0000 4 2</td>
<td>08-0114-0008  7.981 202.7</td>
<td>8.281 210.3</td>
</tr>
<tr>
<td>10</td>
<td>250 08-0124-0000 5 2</td>
<td>08-0114-0010  10.020 254.5</td>
<td>10.374 263.5</td>
</tr>
<tr>
<td>12</td>
<td>300 08-0125-0000 10 5</td>
<td>08-0114-0012  11.938 303.2</td>
<td>12.374 314.3</td>
</tr>
</tbody>
</table>

* Use thin wall cups only when pipe I. D. exceeds the maximum for standard cups.

For adapters, see Bulletin Number 2100.002.00 or 2100.003.00.

For other plugging machine accessories and replacement parts, refer to the SHORTSTOPP® 60 Plugging Machine manual.
Tapping and SHORTSTOPP® 60 Plugging Machine

Equipment Needed to Plug a 1-1/4” Gas Main

**Tapping**

- T-101 Drilling Machine
  - Stock No. 05-1028-0000-00
  - Reference Bulletin 2000.001.00
- 2" Valve Adapter
  - Stock No. 00-0706-0015
- Holder Pilot
  - 05-0634-0000
- 1-1/4" Hole Saw (nominal)
  - Stock No. 00-1151-0005

**Plugging**

1-1/4" SHORTSTOPP® 60 Plugging Machine includes:
- plugging head, chip sweep, completion plug holder, valve adapter, punch and guide, and 2" housing.
- Stock No. 08-0351-0000

Note: The plugging machine is converted to a completion machine by removing one bolt and replacing the plugging head with a completion plug holder.

- Bleeder Valve
  - Stock No. 00-0774-0001
- Nipple
  - Stock No. 00-0220-0001

*Not included with machine

- 1-1/4" Plugging Head and Sealing Cup
- 1-1/4" Chip Sweep
- Completion Plug Holder
- Punch
- Punch Guide

Optional**

- 1-1/4" Pipe Cap
- 1-1/4" Completion Plug with O-ring
- 1-1/4" Welding Fitting
- 1-1/4" 3-WAY Tee™

**Refer to back for fitting options.
Tapping and SHORTSTOPP® 60 Plugging Machine
1-1/4” Gas Main

Note: If you already have 2” SHORTSTOPP® plugging equipment, the additional accessories shown below are all that are needed to plug 1-1/4” mains (plus Welding Fittings).

- Part Number
  - 08-0352-0000
- 1-1/4” Plugging Head and Sealing Cup
- 1-1/4” Chip Sweep
- Completion Plug Holder
- Valve Adapter
- Punch
- Punch Guide

Separate Items
- Holder Pilot
  - 05-0634-0000
- 1-1/4” Hole Saw (nominal)
  - 00-1151-0005

1-1/4” plugging head, chip sweep, completion plug holder, adapter for 2” tapping valve, punch and guide.
Stock No. 08-0352-0000

Note: Consult your TDW representative for additional fitting options.

Welding Fitting
See Bulletin 2100.001.00

3-WAY Tee™
See Bulletin 2100.002.00
**Tapping**

- **T-101 Drilling Machine**  
  Stock No. 05-1028-0000-00  
  Reference Bulletin 2000.001.00

- **Bleeder valve and nipple** (included with T-101 Drilling Machine)

- **2” Valve Adapter**  
  00-0706-0015

- **Holder Pilot**  
  05-0204-0000

- **2” Hole Saw (nominal)**  
  05-0179-0002

**Plugging**

- **2” Plugging Head and Sealing Cup**

- **2” Chip Sweep**

- **Completion Plug Holder**  
  08-2301-0000

- **2” SHORTSTOP® 60 Plugging Machine includes**: plugging head, chip sweep, completion plug holder, and housing.  
  Stock No. 08-0261-0000

Note: The plugging machine can be converted to a completion machine by removing one bolt and replacing the plugging head with a completion plug holder.

- **3” Positioning Flange Kit**  
  Part No. 4710130

- **2” 3-WAY Tee™**  
  2” 3-WAY Tee™ (includes completion plug and pipe cap)  
  Stock No. 26-0217-0000-00

**Refer to back for fitting options.**
Tapping and SHORTSTOPP® 60 Plugging Machine
2” Gas Main

- Welding Fitting
  See Bulletin 2100.001.00

- Spherical 3-WAY Tee™
  See Bulletin 2100.007.00

- 3-WAY Tee™
  See Bulletin 2100.002.00

- Mechanical SHORTSLEEVE™ Fitting
  See Bulletin 2100.002.00

Note: Consult your TDW representative for additional fitting options.
**Tapping and SHORTSTOPP® 60 Plugging Machine**

**Equipment Needed to Plug a 3” Gas Main**

### Tapping
- T-101 Drilling Machine
  - Stock No. 05-1028-0000-00
  - Reference Bulletin 2000.001.00
- Holder Pilot
  - 05-0204-0000
- 3” Hole Saw (nominal)
  - 05-0179-0003

### Plugging
- 3” Plugging Machine
  - Reference Bulletin 2020.001.00
- 3” SHORTSTOPP® 60 Plugging Machine includes:
  - Plugging head, chip sweep, completion plug holder, and housing.
  - Stock No. 08-1682-0000
  - Note: The plugging machine can be converted to a completion machine by removing one bolt and replacing the plugging head with a completion plug holder.

**Equipment Needed for Plugging**
- Bleeder Valve
  - 00-0774-0001
  - Nipple
  - 00-0220-0001
  - *Not included with machine*
- 3” Plugging Head and Sealing Cup
- 3” Chip Sweep
- Completion Plug Holder
  - 08-2301-0000

**Additional Components**
- 3” SHORTCUTT® 500 Valve
  - 09-0759-0000
  - 500 PSI
- Bleeder Valve and Nipple
  - Included with T-101 Drilling Machine

**Tapping and Plugging Kit Options**
- 3” Welding Fitting
  - Includes completion plug and pipe cap
  - Stock No. 26-0213-0000-00
- 3” Pipe Cap
- 3” Completion Plug with O-ring
- 3” Welding Fitting
  - Includes completion plug and pipe cap
  - Stock No. 26-0218-0000-00
- 3” 3-WAY Tee™
  - 3-WAY Tee™ (includes completion plug and pipe cap)
  - Stock No. 26-0218-0000-00

**Additional Notes**
- Refer to back for fitting options.

---

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Tapping and SHORTSTOPP® 60 Plugging Machine

3” Gas Main

- Welding Fitting
  See Bulletin 2100.001.00

- Spherical 3-WAY Tee™
  See Bulletin 2100.007.00

- 3-WAY Tee™
  See Bulletin 2100.002.00

Note: Consult your TDW representative for additional fitting options.
Tapping

- Note: Either the T-101 or T-203 Tapping Machine is recommended for 4" taps.

T-203 Tapping Machine with air motor drive assembly and carrying case.
Stock No. 05-2173-0000
Reference Bulletin 2100.007.00
4" through 12" taps

1/2" through 4" taps

T-101 Drilling Machine
Stock No. 05-1828-0000-00
Reference Bulletin 2000.001.00

Optional

4" Bleeder valve included with T-101 Drilling Machine

4" Valve Adapter
06-1392-0015

Holder Pilot
05-0295-0000

4" Hole Saw
05-0179-0004

4" Valve Adapter
06-1542-0000

Key Cutter Holder
05-0227-0000

4" SHORTSTOPP® Cutter (nominal)
05-0255-0004

Pilot Drill
05-0247-0003

Plugging

Plugging Machine
Reference Bulletin 2020.001.00

4" SHORTSTOPP® 60 Plugging Machine includes: plugging head, chip sweep and housing. Stock No. 08-0100-0000

Note: The plugging machine can be converted to a completion machine by removing two bolts and replacing the plugging head with a completion plug holder.

4" Plugging Head and Sealing Cup Chip Sweep

Chip Sweep

Completion Plug Holder
08-0121-0000

4" SHORTSTOPP® Valve
275 PSI

275 PSI, Aluminum Body

Valve-to-Fitting Adapter
06-5724-0001

Optional

4" 3-WAY Tee™ (includes cover flange with bolts, gasket and plastic cap plugs, completion plug and O-ring). Stock No. 06-7218-0000

Cover Flange

Completion Plug

4" 3-WAY Tee™

3-WAY Tee™ (includes cover flange with bolts, gasket and plastic cap plugs, completion plug and O-ring). Stock No. 06-7218-0000

**Refer to back for fitting options.
Tapping and SHORTSTOPP® 60 Plugging Machine
4" Gas Main

■ Welding Fitting
See Bulletin 2100.001.00

■ Spherical 3-WAY Tee™
See Bulletin 2100.007.00

■ 3-WAY Tee™
See Bulletin 2100.002.00

■ Mechanical SHORTSLEEVE™ Fitting
See Bulletin 2100.001.00

Note: Consult your TDW representative for additional fitting options.
Tapping and SHORTSTOOP® 60
Plugging Machine

Equipment Needed to Plug a 6" Gas Main

Tapping

- Note: Either the T-101 XL or T-203 Tapping Machine is recommended for 6" taps.

Plugging

T-203 Tapping Machine with air motor drive assembly and carrying case.
Stock No. 05-2273-0000
Reference Bulletin 2100.007.00

6" SHORTSTOOP® 60 Plugging Machine includes: plugging head, chip sweep and housing. Stock No. 08-0122-0000

Note: The plugging machine can be converted to a completion machine by removing two bolts and replacing the plugging head with a completion plug holder.

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**Fittings**

**Tapping and SHORTSTOPP® 60 Plugging Machine**

6” Gas Main

- Note: If you already have 8” SHORTSTOPP® plugging equipment, the additional accessories shown below are all you need to plug 6” mains (plus Welding Fittings).

- 6” x 8” Valve-to-Fitting Adapter 06-5724-0004
- 6” SHORTSTOPP® Cutter (nominal) 05-0330-0006
- Pilot Drill 05-0293-0002
- Completion Plug Holder 08-0122-0000
- 6” Plugging Head with Sealing Cup and Chip Sweep 08-0326-0000
- Cover Flange
- Completion Plug
- Welding Fitting

6” Welding Fitting includes: cover flange with bolts, gasket and plastic caplughs, completion plug and O-ring. Stock No. 06-7214-0000

- Note: Consult your TDW representative for additional fitting options.
Tapping and SHORTSTOPP® 60 Plugging Machine

Equipment Needed to Plug a 8” Gas Main

Tapping

- Note: If you need 6” SHORTSTOPP® plugging equipment, see back of Product Data Sheet.

T-203 Tapping Machine with air motor drive assembly and carrying case.
Stock No. 05-2173-0000
Reference Bulletin 2100.007.00

Plugging

- 8” SHORTSTOPP® 60 Plugging Machine includes: plugging head, chip sweep and housing. Stock No. 08-0102-0000

Note: The plugging machine can be converted to a completion machine by removing two bolts and replacing the plugging head with a completion plug holder.

- 8” SHORTCUTT® Valve
- 09-0042-0000
- 275 PSI

- Bleeder Valve
- 00-0774-0001
- Nipple
- 00-0229-0001

*Not included with machine.

- Housing

- 8” Plugging Head and Sealing Cup

- Valve Adapter
- 06-1544-0000

- Cutter Holder
- 05-0326-0000

- Pilot Drill
- 05-0293-0003

- Valve-to-Fitting Adapter
- 06-5724-0003

- Optional**

- 8” 3-WAY Tee™ (includes cover flange with bolts, gasket and plastic caplug, completion plug and O-ring)
Stock No. 06-7220-0000

- 8” Welding Fitting

- 8” Pipe

- 8” Cut-off Valve
- 09-0042-0000

- Nipple
- 00-0229-0001

*Not included with machine.

- Cover Flange

- Completion Plug Holder
- 08-0123-0000

**Refer to back for fitting options.
Tapping and SHORTSTOPP® 60 Plugging Machine
8” Gas Main

Note: If you already have 8” SHORTSTOPP® plugging equipment, the additional accessories shown below are all that are needed to plug 6” mains (plus Welding Fittings).

- 6” x 8” Valve-to-Fitting Adapter
  06-5724-0004

- 6” SHORTSTOPP® Cutter (nominal)
  05-0330-0006

- Pilot Drill
  05-0293-0002

- Completion Plug Holder
  06-0122-0000

- 6” Plugging Head with Sealing Cup and Chip Sweep
  08-0326-0000

- Cover Flange

- Completion Plug

- Welding Fitting
  6” Welding Fitting includes: cover flange with bolts, gasket and plastic cap plugs, completion plug and O-ring.
  Stock No. 06-5713-0000

Note: Consult your TDW representative for additional fitting options.
Tapping and SHORTSTOPP® 60 Plugging Machine
Equipment Needed to Plug a 10” Gas Main

**Tapping**

- Note: If you have 12” SHORTSTOPP® plugging equipment, see back of Product Data Sheet.

T-203 Tapping Machine with air motor drive assembly and carrying case. Stock No. 05-2173-0000 Reference Bulletin 2100.007.00

**Plugging**

10” SHORTSTOPP® 60 Plugging Machine includes: plugging head, chip sweep and housing. Stock No. 08-1575-0000

Note: The plugging machine can be converted to a completion machine by removing two bolts and replacing the plugging head with a completion plug holder.

The 10” SHORTSTOPP® Plugging Machine is equipped with a 12” housing for use with a 12” SHORTCUTT® Valve.

- **Fitting**
  - Optional**
  - 10” Welding Fitting
  - 10” Pipe
  - 3-WAY Tee™ (includes cover flange with bolts, gasket and plastic cap slugs, completion plug and O-ring) Stock No. 06-7221-0000
  - Stock No. 06-7221-0000

- **Seal**
  - 10” Welding Fitting

- **Completions**
  - Cover Flange
  - Completion Plug

- **Completion Plug Holder**
  - 08-0124-0000

- **Drill**
  - 00-0774-0001

- **Nipple**
  - 00-0229-0001

- **Cutter**
  - 00-0330-0010

- **Cutter Holder**
  - 05-0326-0000

- **Plugging Head and Sealing Cup**
  - 05-0293-0004

- **Valve Adapter**
  - 06-1546-0000

- **Valve**
  - 09-0044-0000

- **Valve-to-Fitting Adapter**
  - 06-5724-0012

- **Bleeder Valve**
  - 00-0774-0001

- **Nipple**
  - 00-0229-0001

**Optional**

- 10” x 12” Valve-to-Fitting Adapter
  - 06-5724-0012

**Reference Bulletin**

- 2020.001.00

- 2100.007.00

*Not included with machine.*
Tapping and SHORTSTOPP® 60 Plugging Machine
10” Gas Main

Note: Consult your TDW representative for additional fitting options.

Note: If you already have 12” SHORTSTOPP® plugging equipment, the additional accessories shown below are all that are needed to plug 10” mains (plus Welding Fittings).

- 10” x 12” Valve-to-Fitting Adapter
  06-5724-0012

- 10” SHORTSTOPP® Cutter (nominal)
  05-0330-0010

- Pilot Drill
  05-0293-0004

- Completion Plug Holder
  08-0124-0000

- 10” Plugging Head, Sealing Cup and Chip Sweep
  08-0328-0000

- Cover Flange

- Completion Plug

- Welding Fitting

10” SHORTCUT® Valve not available. The 10” SHORTSTOPP® Plugging Machine is equipped with 12” housing for use with 12” SHORTCUT® Valve and 10” x 12” adapter.
Tapping

- Note: If you have 10" SHORTSTOPP® plugging equipment, see back of Product Data Sheet.

T-203 Tapping Machine with air motor drive assembly and carrying case.  
Stock No. 05-2173-0000  
Reference Bulletin 2100.007.00

Plugging

- 12" SHORTSTOPP® 60 Plugging Machine includes: plugging head, chip sweep and housing.  
Stock No. 06-0104-0000

- Note: The plugging machine can be converted to a completion machine by removing two bolts and replacing the plugging head with a completion plug holder.

The 10" SHORTSTOPP® Plugging Machine is equipped with a 12" housing for use with a 12" SHORTCUTT® Valve.

Equipment Needed to Plug a 12" Gas Main

- Pilot Drill 05-0247-0004
- Cutter Holder 05-0326-0000
- 12" SHORTSTOPP® Cutter (nominal) 05-0330-0012
- Valve Adapter 06-1546-0000
- Bleeder Valve* 00-0774-0001
- Nipple* 00-0220-0001

*Not included with machine.

Optional**

- 12" Welding Fitting 06-7217-0000
- 12" 3-WAY Tee™ 06-7222-0000
- 12" Pipe
- Cover Flange
- Completion Plug
- 3-WAY Tee™ (includes cover flange with bolts, gasket and plastic cap plugs, completion plug and O-ring)  
Stock No. 06-7222-0000

**Refer to back for fitting options.

References:
- Bulletin 2020.001.00

Note:
- If you have 10" SHORTSTOPP® plugging equipment, see back of Product Data Sheet.
Tapping and SHORTSTOPP® 60 Plugging Machine
12” Gas Main

- Note: If you already have 12” SHORTSTOPP® plugging equipment, the additional accessories shown below are all that are needed to plug 10” mains (plus Welding Fittings).

- 10” x 12” Valve-to-Fitting Adapter
  Stock No. 06-5724-0012

- 10” SHORTSTOPP® Cutter (nominal)
  Stock No. 05-0330-0010

- Pilot Drill
  Stock No. 05-0293-0004

- Completion Plug Holder
  Stock No. 08-0124-0000

- 10” Plugging Head, Sealing Cup and Chip Sweep
  Stock No. 08-0328-0000

- Cover Flange

- Completion Plug

- Welding Fitting

10” Plugging Head includes: cover flange with bolts, gasket and plastic caplugs, completion plug and O-ring.

Note: Consult your TDW representative for additional fitting options.

Note: If you already have 12” SHORTSTOPP® plugging equipment, the additional accessories shown below are all that are needed to plug 10” mains (plus Welding Fittings).

10” SHORTCUTT® Valve not available. The 10” SHORTSTOPP® Plugging Machine is equipped with 12” housing for use with 12” SHORTCUTT® Valve and 10” x 12” adapter.