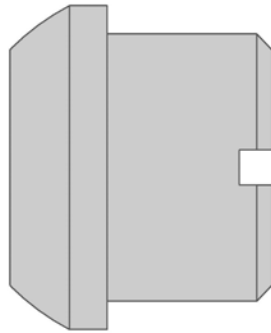
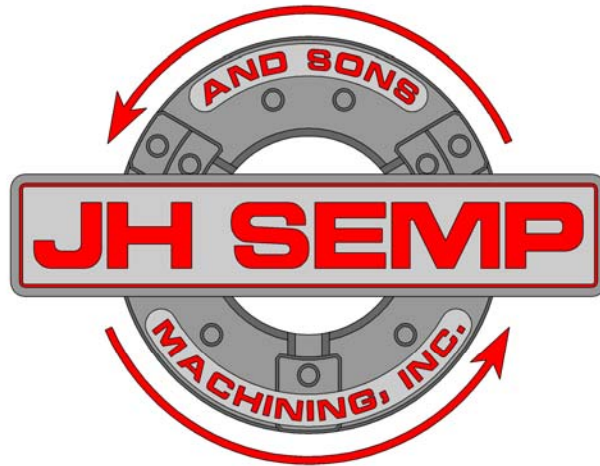


**J.H. SEMP AND SONS,  
MACHINING, INC.**

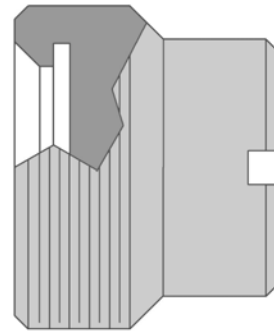
**790 NORTH NINTH AVENUE  
BRIGHTON, COLORADO 80603  
PHONE: (303)659-8480  
FAX: (303)659-8268  
WWW.SEMPANDSONS.COM**

**HIGH-PRESSURE WELL  
STIMULATION  
COMPONENTS**

**BULL PLUG**



**MALE  
BULL  
PLUG**



**FEMALE  
BULL  
PLUG**

<b>CONNECTION AND SIZE</b>	<b>MALE PLUG</b>	<b>FEMALE PLUG</b>
<b>1" - 1502</b>	35-105-2	36-105-1
<b>1 ½" - 1502</b>	35-115-2	36-115-1
<b>2" - 1502</b>	35-215-2	36-215-1
<b>3" - 1002</b>	35-310-2	36-310-1
<b>3" - 1502</b>	35-315-2	36-315-1
<b>4" - 602</b>	35-406-2	36-406-1
<b>4" - 1002</b>	35-410-2	36-410-1

**BULL PLUGS WITH A ½" N.P.T. END CONNECTION  
ARE ALSO AVAILABLE**