



Double Block and Bleed Grip Type Tool



• Applications

- Power generation
- Process Piping Systems
- Petro Chemical
- Tie Point Connections
- Refining
- Flanged Joints
- Oil and Gas
- Nozzles
- Specialty Chemical
- Valves
- Pulp and Paper
- Isolation for Hot Work
- Manufacturing Industries
- Hydro Static Testing

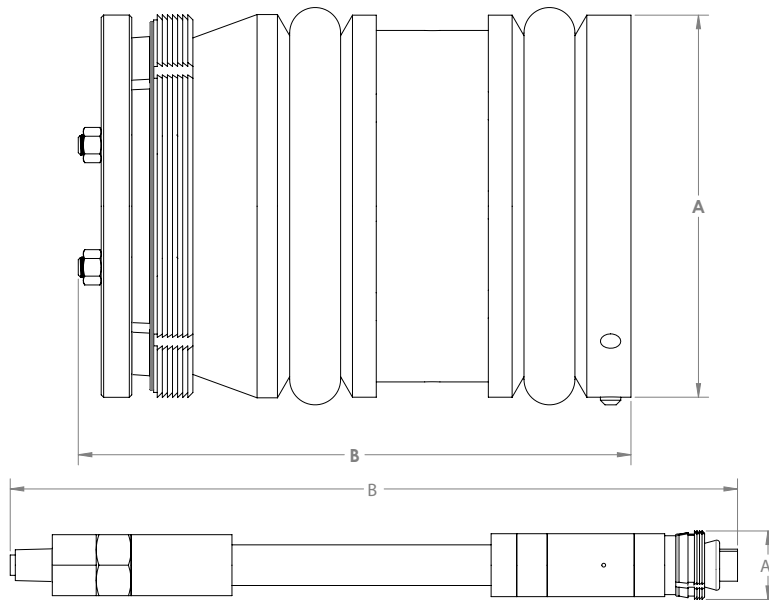


• Product Description

Superior's double block and bleed gripper tools are designed to provide an isolation barrier on localized field repair and modifications. The advantages of the safety jaws allow the end user to isolate, monitor, and vent hydrocarbon vapors to a safe area when performing welded connections will giving them the assurance that the safety jaws are rated for up to 1,500 PSI in case of a primary isolation failure. Superior's plug incorporates unique features that make it the most application-efficient tool on the market, while keeping safety the number one goal.

• Advantages

- Lightweight Design: Aluminum Body with Stainless Steel Hardware
- Tools 3/4" thru 2" sch 160 are all single stem design
- Monitors both isolation pressure and upstream pressure
- All tools are back pressure rated up to 1500 PSI depending on pipe size and conditions
- Seal materials are one piece molded and manufactured from proprietary Buna blend
- Thru Port vented to allow the venting of upstream gas and vapors away to a safe area; this port can also be used to purge low pressure nitrogen through
- Designed with a 1.5 Safety Factor
- Size Range 3/4" - 16"



Pipe Size	Pipe Schedule	Maximum Upstream Pressure	Maximum Pressure Between Seals	Tool	Plug O.D.	Plug Length
3/4	40			SPR-0.750" 40	0.824	16 - 19
	80			SPR-0.750" 80	0.742	
1	40			SPR-1.0" 40	1.049	16 - 19
	80			SPR-1.0" 80	0.957	
	160			SPR-1.0" 160	0.815	
	XXS			SPR-1.0" XXS	0.599	
1 1/2	40			SPR-1.5" 40	1.610	16 - 19
	80			SPR-1.5" 80	1.500	
	160			SPR-1.5" 160	1.338	
	XXS			SPR-1.5" XXS	1.100	
2	160			SPR-2.0" 160		16 - 19
2	40			SPR-2.0" 40	1.962	7.750
	80			SPR-2.0" 80	1.844	
3	40			SPR-3.0" 40/80	2.775	8.125
	80			SPR-3.0" 160		
	160			SPR-3.0" XXS	2.175	7.750
	XXS					
4	40HP			SPR-4.0" HP	3.863	8.750
	40 / 80			SPR-4.0" 40/80	3.626	8.750
	XXS			SPR-4.0" XXS	3.027	10.000
6	40 / 80			SPR-6.0" 40/80	5.563	10.875
	XXS			SPR-6.0" XXS	4.697	
8	40 / 80			SPR-8.0" 40/80	7.438	11.750
	XXS			SPR-8.0" XXS	6.625	
10	40 / 80			SPR-10.0" 40/80	9.375	11.500
12	40 / 80			SPR-12.0" 40/80	11.125	12.250
14	40 / 80			SPR-14.0" 40/80	12.250	13.750
16	40 / 80			SPR-16.0" 40/80	14.000	15.63

- 1) Pressures (psi) listed above are not necessarily limits of the tool and may be limited by pipe or flange rating.
- 2) Values are shown in inches.
- 3) Contact SPR for additional information on higher pressure or different size applications.

