

HAMMER UNIONS



ZSPEC® Hammer Unions are manufactured from high quality forgings and castings. The figure appropriate materials are selected for each respective figure number. Threaded and Butt Weld end connections are both readily available. Material traceability and MTRS are available on all hammer unions.

Figure No.	Color Code	NON-SHOCK COLD WORKING PRESSURE RATING (PSI)		Nominal Pipe Size (in inches)											
		STANDARD SERVICE													
		NSCWP	TEST	1"	1.25"	1.5"	2"	2.5"	3"	4"	5"	6"	8"	10"	12"
100	Yellow/Black	1000	1500				●	●	●	●	●	●			
110	Burnt Orange/Burnt Orange	2500	3750				●								
110	Brown/Brown	4000	6000				●		●						
200	Grey/Blue	2000	3000	●	●	●	●	●	●	●		●	●	●	
201	Grey/Beige	3000	4000				●	●							
206	Grey/Blue	2000	3000	●	●	●	●	●	●	●		●	●	●	
207	Grey/Blue	2000	3000						●	●		●			
211	Blue/Gray	2000	3000				●		●						
300	Light Orange/Gray	2000	3000	●			●								
301	Grey/Gray	3000	4500				●								
400	Maroon/Black	4000	6000				●		●	●					◆
402	Black/Black	4000	6000				●								
G	Silver/Orange	6000	9000			●	●								
602	Orange/Black	6000	9000	●		●	●	●	●	●					
1002	Blue/Red	10000	15000	●		●	●		●	●	◆	◆			
1003	Green/Black	7500	11250						●	●	●				
1502	Red/Blue	15000	22500	●		●	●	●	●	●	●				

◆ indicates a reduction in working pressure as listed: 12" Fig 400: NSCWP = 2800 psi (3750 psi Test) 5" Fig 1002 Butt Weld: NSCWP = 7500 psi (11250 psi Test) 5" Fig 1002 Threaded: NSCWP = 5000psi (7500 psi Test) 6" Fig 1002 Butt Weld: NSCWP = 7500 psi (11250 psi Test) 6" Fig 1002 Threaded: NSCWP = 5000psi (7500 psi Test)

WARNINGS ON HAMMER UNIONS AND PRODUCTS THAT HAVE HAMMER UNION END CONNECTIONS

When installing and handling any pressure containing products, personnel must be qualified and properly trained on the safe installation and use of the products. Our products are designed and qualified to meet industry standards and it is the user's responsibility in making the appropriate selection of products through any required design and/or analysis of the user's requirements so that the products will not pose any health or safety hazards. Failure to adhere to the warnings listed on this form may result in personal injury or death.

Never strike, impact, tighten or loosen pressurized unions or connections.

Complete and proper make-up of union components is required to attain rated working pressure. Always pay

special attention during the make-up process to ensure that this is achieved.

Never use products that have been damaged or deteriorated or corroded.

Never exceed the rated working pressure of the union or connection.

Never assemble union components that are not identical in size, figure and pressure rating.

Should leakage be detected, take the appropriate steps to assure that the piping system is completely depressurized and any remaining fluid is removed and properly disposed of, then proceed to remove the affected component(s) from service and permanently dispose of the affected component(s).

For overhead installations, follow safe practices with consideration of the combined weight of all components, piping and contained fluids when sizing the piping supports and/or other necessary infrastructure to support the combined weight.

Standard hammer unions and connections are not prepped for sour gas service. Do not interchange standard and sour gas components. Hammer unions and connections prepped for sour gas service will be marked with "Sour Gas Svc." or "H2S".

When temperatures are below 32F, please use extreme caution when making or breaking union connections as the lower temperatures negatively affect the impact strength of iron and steel.