



**Continental Disc<sup>®</sup>  
Corporation**

*Performance Under Pressure<sup>®</sup>*

# Union Holder for Standard or Composite Type Rupture Discs

2-3308-2



#6U Holder  
Welded Inlet - Welded Outlet



#2U Holder  
Threaded Inlet - Threaded Outlet

**Also Available:**

- #3U Holder  
Threaded Inlet - Welded Outlet
- #5U Holder  
Welded Inlet - Threaded Outlet

The Union Holder is designed to provide flexibility of use in tight piping configurations. These precisely built holders combine ease of installation with high pressure ratings in pipe sizes of 2 inches (50 mm) or less. Standard sizes, ratings and bores are shown in Table I. Contact the factory for applications outside this range.

## Specifications

These holders are designed for standard or composite type rupture discs. Any combination of welded or threaded inlet and outlet connections is available. All parts are available in carbon steel or 316 stainless steel. The units are designed with 30° angular seating. A stainless steel tag is welded to the assembly for easy identification of size, pressure rating, and flow direction. Refer to Continental Disc Bulletin 2-2201-2 "Standard Type Rupture Discs" or 2-2202-2 "Composite Type Rupture Discs" for rupture disc details.

Muffled plugs can be supplied for use with Union Holders with threaded outlets to reduce reaction forces upon burst of the rupture disc. Contact the factory for more information.

**Table I — Union Holder Specifications**

Size	Rating	Bore	Hex Size	Overall Height			
				#2U	#3U	#5U	#6U
1/2"	3000#	Schedule 80	1.75"	2.75"	2.50"	2.55"	2.30"
12,7 mm			44,5 mm	69,9 mm	63,5 mm	64,8 mm	58,4 mm
1/2"	6000#	Schedule 160	2.00"	2.81"	2.94"	2.81"	2.94"
12,7 mm			50,8 mm	71,4 mm	74,7 mm	71,4 mm	74,7 mm
1"	4000#	Schedule 80	3.00"	3.50"	3.03"	3.15"	2.63"
25,4 mm			76,2 mm	88,9 mm	77,0 mm	80,0 mm	66,8 mm
1"	6000#	Schedule 160	3.00"	3.50"	3.03"	3.15"	2.63"
25,4 mm			76,2 mm	88,9 mm	77,0 mm	80,0 mm	66,8 mm
1 1/2"	4000#	Schedule 80	3.50"	3.75"	3.47"	3.72"	3.50"
38,1 mm			88,9 mm	95,3 mm	88,1 mm	94,5 mm	88,9 mm
2"	4000#	Schedule 160	5.00"	5.13"	4.85"	5.10"	5.13"
50,8 mm			127,0 mm	130,3 mm	123,2 mm	129,5 mm	130,3 mm

Note: For other schedule bore, please consult the factory.

## Product Identification

As a standard, rupture discs for use in Union Type Holders are shipped with a detached tag, which should be affixed to the completed assembly when the rupture disc is installed. Under certain circumstances, such an installation may comply with the ASME Code. See ASME code case no. 2367.

For those requiring ASME compliance or simple, positive identification of rupture disc installations, Continental Disc offers a special Union Type Holder which allows the installation of a rupture disc with a permanently attached 3-dimensional flow direction tag. The 3-D flow tag extends beyond the holder for easier verification of orientation after the rupture disc has been installed.

When ordering rupture discs, please state whether the disc is to be installed in a Union Type Holder, and whether you require the standard configuration or a permanently attached 3-D flow tag.

**Table II — Maximum Pressure Ratings for Union Holder**

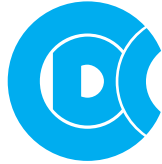
Temp.	3000# Assembly				4000# Assembly				6000# Assembly				
	CS*		316SS**		CS*		316SS**		CS*		316SS**		
	°F	°C	psig	barg	psig	barg	psig	barg	psig	barg	psig	barg	
100	37,8	3000	206	3000	206	4000	275	4000	275	6000	413	6000	413
200	93,3	2735	188	2580	177	3647	251	3440	237	5470	377	5160	355
300	149	2660	183	2330	160	3546	244	3107	214	5319	366	4660	321
400	204	2567	177	2140	147	3423	236	2853	196	5135	354	4280	295
500	260	-	-	1990	137	-	-	2653	182	-	-	3980	274
600	316	-	-	1880	129	-	-	2507	172	-	-	3760	259
700	371	-	-	1810	124	-	-	2413	166	-	-	3620	249
800	427	-	-	1760	121	-	-	2347	161	-	-	3520	242
900	482	-	-	1730	119	-	-	2307	159	-	-	3460	238
1000	538	-	-	1458	100	-	-	1943	134	-	-	2915	201

\* Carbon Steel ratings are for Group 1.1 from ANSI B16.5.

\*\* 316SS ratings are for Group 2.2 from ANSI B16.5

## Simple and Worry-Free

Continental's Union Holders make rupture disc installation in tight-fitting, high-pressure environments simple and worry-free. Contact your C.D.C. representative or the factory if you have any questions about proper applications or about customized materials or configurations.



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*Performance Under Pressure<sup>®</sup>*

A Siegel-Robert Company



Certified Quality System  
First Certified In 1992



ASME Code Symbol Stamp  
Available When Specified



China Manufacture License  
Available When Specified



Pressure Equipment Directive  
Available When Specified

Continental Disc Corporation has representatives located throughout the world.  
Contact the C.D.C. office nearest you for the authorized representative in your area.

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