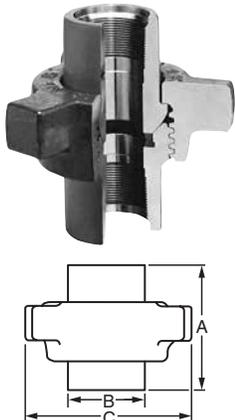
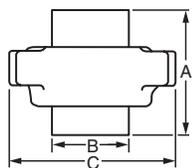




Hammer Unions

15,000 psi cwp – 22,500 psi test

	Size		Item	Unit Weight		A		B		C		TPI	Material	
	NPS	Dn		lbs	kg	in	mm	in	mm	in	mm		Nuts	Subs
	 <p>Alloy steel forgings for high-pressure manifold and treating connections. Employs a double seal that combines an elastomeric gasket with a metal-to-metal connection.</p>													
2	50	Union Complete	19.46	8.83	7.060	179.32	3.230	82.04	7.860	199.64	3	STD	All Alloy Steel Forging	
		Nut	9.78	4.44										
		Male Sub	4.82	2.19										
		Female Sub w/Ring	4.86	2.20										
		Seat Ring	–	–										
3	80	Union Complete	30.48	13.82	7.630	193.8	4.400	111.76	9.900	251.46	3½	STD	All Alloy Steel Forging	
		Nut	14.18	6.43										
		Male Sub	8.00	3.63										
		Female Sub w/Ring	8.30	3.76										
		Seat Ring	–	–										

	Size		Item	Unit Weight		A		B		C		TPI	Material	
	NPS	Dn		lbs	kg	in	mm	in	mm	in	mm		Nuts	Subs
	 <p>Alloy steel forgings for high-pressure manifold and treating connections. Employs a double seal that combines an elastomeric gasket with a metal-to-metal connection.</p>													
2	50	Union Complete	20.58	9.33	7.060	179.32	3.230	82.04	7.860	199.64	3	STD	All Alloy Steel Forging	
		Nut	9.78	4.44										
		Male Sub	5.32	2.41										
		Female Sub w/Ring	5.48	2.49										
		Seat Ring	–	–										
3	80	Union Complete	27.98	12.69	7.630	193.8	4.400	111.76	9.900	251.46	3½	STD	All Alloy Steel Forging	
		Nut	14.18	6.43										
		Male Sub	6.96	3.16										
		Female Sub w/Ring	7.76	3.52										
		Seat Ring	–	–										

Warnings: 1. Do not make up or break out Unions in pressurized lines.
2. Always use good safety practices, including use of safety glasses, when making up or breaking out Unions.

TPI = Threads per inch SF = Steel Forging

PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			



Catawissa™
PERFORMANCE UNDER PRESSURE



Material

ASTM A29, A105

Full Traceability:

All Catawissa Oilfield Hammer Unions are fully traceable and are available with complete mill certifications upon request.

Interchangeability:

All Catawissa Oilfield Unions are machined to rigid quality standards ensuring that like components of the same size, figure number and pressure rating are fully interchangeable in the field. Catawissa Oilfield Unions are interchangeable with most leading union manufacturers.

Full Range of End Connections:

Catawissa Oilfield Hammer Unions are available in threaded ends, as well as buttweld and non-pressure seal ends. When you choose Catawissa you receive the utmost in quality, the widest selection and unmatched on-time deliveries.



Gatawissa Quick Reference Chart

STANDARD SERVICE												
Fig No.	CWP	TEST	API Color Code		Pipe Size (in.)							
			SUB	NUT	1"	1¼"	1½"	2"	2½"	3"	4"	6"
100	1,000	1,500	Yellow	Black								
200	2,000	3,000	Gray	Blue								
206	2,000	3,000	Gray	Blue								
211	2,000	3,000	Light Blue	Gray								
300	2,000	3,000	Yellow	Gray								
301	3,000	4,500	Green	Black								
400	4,000	6,000	Red	Black								
602	6,000	9,000	Orange	Black								
607	6,000	9,000	Silver	Yellow								
1502	15,000	22,500	Red	Blue								