

- ▶ Hammer unions range in size: 1" to 12"
- ▶ Maximum working pressure of 15,000 PSI
- ▶ Complete traceability
- ▶ Manufactured from forged steel
- ▶ ASTM A-105 for a working pressure less than 6000PSI
- ▶ AISI 4130 for a working pressure greater than or equal to 6000PSI
- ▶ Available with charpy testing



FIGURE NUMBER	ASSEMBLY KEY	PRESSURE RATING (PSI)				NORMAL PIPE SIZE															
		STANDARD SERVICE		SOUR SERVICE		(IN)	1	1½	1½	2	2½	3	4	5	6	8	10	12			
		COLD WORKING	TEST	COLD WORKING	TEST	(MM)	25	32	40	50	65	80	100	100	125	150	250	300			
40		400	600	400	600					T											
50		500	750	500	750									T							
100		1000	1500	1000	1500					T/W	T	T/W	T/W	T/W	T/W	T/W					
200		2000	3000	2000	3000		T	T	T/W	T/W	T	T/W	T/W	T/W	T/W	T/W	T/W				
201		2000	3000	2000	3000					T											
206		2000	3000	2000	3000		T	T	T/W	T/W	T	T/W	T/W	T/W	T/W	T/W	T/W				
207		2000	3000	2000	3000							T/W	T/W		T/W						
211		2000	3000	2000	3000					T											
300		2000	3000	N/A	N/A					•											
301		3000	3000	N/A	N/A					T											
400		4000	6000	4000	6000					T		T	T/W		•	•	•	•			
600		6000	9000	N/A	N/A					T											
602		6000	9000	6000	9000		T/W		T/W	T/W		T/W	T/W								
1002		10000	15000	7500	11250		T			T/W		T/W	T/W	•	•						
1003		10000	15000	7500	11250							W	•	•							
1004		10000	15000	7500	11250											W					
1502		15000	22500	10000	15000		T		T	T/W	T	T/W	T/W	W	W						
2202		N/A	N/A	15000	22500					W		W									
AG		6000	9000	6000	9000					T											

• INDICATES REDUCED CWP DUE TO PIPE SIZE OR OTHER DESIGN FACTORS:

FIGURE 300
2" THREADED CWP 2000/6000 PSI
2" BUTT-WELD CWP 6000 PSI

FIGURE 400 STANDARD SERVICE
6", 8", 10", & 12" CWP 2500 / 5000 PSI

FIGURE 1002 STANDARD SERVICE
5" THREADED CWP 5000 / 7500 PSI
5" & 6" BUTT-WELD CWP 7500 / 11250 PSI

FIGURE 1002 SOUR SERVICE
5" & 6" BUTT-WELD CWP 5000 / 7500 PSI

FIGURE 1003 STANDARD SERVICE
4" & 5" BUTT-WELD CWP 7500 / 11250 PSI

FIGURE 1003 SOUR SERVICE
4" & 5" BUTT-WELD CWP 5000 / 7500 PSI

T THREADED
W BUTT-WELD
T/W THREADED & BUTT-WELD

FIGURE 40

- ▶ Recommended for air, water, oil or gas service to 400 PSI
- ▶ Available in threaded

FIGURE 50

- ▶ Recommended for air, water, oil or gas service to 500 PSI
- ▶ Available in threaded
- ▶ Available in bronze, based on application

FIGURE 100

- ▶ Cold working pressure - 1,000 PSI
- ▶ Low pressure union
- ▶ Manifold & general service

FIGURE 200

- ▶ Cold working pressure - 2,000 PSI
- ▶ General purpose union
- ▶ Available in threaded & butt weld

FIGURE 206

- ▶ Cold working pressure - 2,000 PSI
- ▶ O-Ring in metal sub sealing extends life
- ▶ Cup and cone provide "zero clearance against extrusion"
- ▶ Available in threaded & butt weld
- ▶ All sizes available in sour service
- ▶ Available socketweld unions in 2", 3", 4", & 6"

FIGURE 207

- ▶ Cold working pressure - 2,000 PSI
- ▶ Manifold and blanking the end of line - 'O' ring cap provides leak-free seal
- ▶ Connection cap can be tapped for pressure gauge or valve
- ▶ Available in threaded & butt weld

FIGURE 300

- ▶ Cold working pressure - 2,000 PSI or 6000PSI
- ▶ 'Flat Face' design facilitates straight breakout of connected components such as valve or fittings for repair or inspection
- ▶ Moderate vacuum service insulated unions available

FIGURE 400

- ▶ 2" to 4" sizes CWP is 4,000PSI
- ▶ 6" to 12" sizes CWP is 2,500PSI
- ▶ Mainly used for manifold pumping and mud pumping

FIGURE 602

- ▶ Cold working pressure - 6,000 PSI
- ▶ Lip type elastomer seal protects metal-to-metal designed to reduce turbulence in the line
- ▶ Usage mainly in manifold and mud services
- ▶ Available with non-pressure thread sealing ends

FIGURE 1002

- ▶ Cold working pressure - 10,000 PSI
- ▶ Field replaceable lip type elastomer seal protects secondary metal-to-metal seal
- ▶ 5" and 6" butt-weld are 7,500 PSI for standard service
- ▶ 5" and 6" butt-weld are 5,000 PSI for sour service

FIGURE 1003

- ▶ Cold working pressure - 10,000 PSI
- ▶ Misaligning unions are used in high pressure applications where the lines are not aligned
- ▶ 5" is 7,500 PSI for standard service
- ▶ 5" is 5,000 PSI for sour service

FIGURE 1004

- ▶ Cold working pressure - 10,000 PSI
- ▶ Field replaceable lip type elastomer seal protects secondary metal-to-metal seal
- ▶ Available in forged steel for butt weld connections
- ▶ Schedule XXH

FIGURE 1502

- ▶ Cold working pressure - 15,000 PSI
- ▶ Field replaceable lip type elastomer seal protects secondary metal-to-metal seal
- ▶ Used mainly in choke / kill lines, cementing, fracturing / testing
- ▶ Available in threaded, welded, butt weld and non-pressure thread sealing ends

FIGURE 2202

- ▶ Cold working pressure - 15,000 PSI
- ▶ Field replaceable lip type elastomer seal protects secondary metal-to-metal seal
- ▶ Used in sour gas services
- ▶ Meets Nace MR-01-75 standards
- ▶ Butt-weld Schedule XXH only

