



- ▶ 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	1 1/2	2	2 1/2	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
200		2000	3000	2000	3000	T	T	T/W	T/W	T	T/W	T/W	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	T/W	T/W
207		2000	3000	2000	3000													T/W T/W T/W
211		2000	3000	2000	3000													T
300		2000	3000	▷/A	N/A													•
301	€ si	3000	3000	▷/A	N/A													T
400	•	4000	6000	4000	6000													T
600	•	6000	9000	▷/A	N/A													T
602	•	6000	9000	6000	9000	T/W		T/W	T/W		T/W	T/W						T
1002	•	10000	15000	7500	11250													T/W
1003	•	10000	15000	7500	11250													T/W
1004	•	10000	15000	7500	11250													T/W
1502	•	15000	22500	10000	15000	T		T	T/W	T	T/W	T/W						T/W
2202	•	N/A	N/A	15000	22500													w
AG	•	6000	9000	6000	9000													w

• INDICATES REDUCE C/W P R I I E I O P I E S I Z E
OTHER DESIGN FACTORS:

FIGURE 300
Z" T READED C/V P 2000/6000 PSI
Z" BLTT-W/L CWP 6000 PSI

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

FIGURE 1002 STAINLESS SERVICE
5" THREADED FIIP 5000/7500 PSI
5" & 6" BIITT-WELD CWP 7500/11250 PSI

FIGURE 1002 SO SEIMJE
5" & 6" BUTT-WELD CWP 5000/7500 PSI

FIGURE 1003 STANDARD SERVICE
4" & 5" OUTT-W/LOCWP 7500/11250 PSI

FIGURE 1003 SERVICE
4" & 5" BUTT WELDCWP5000/7500 PSI

T/T READED
W/BUTTWELD
T/WTHREADED & 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

