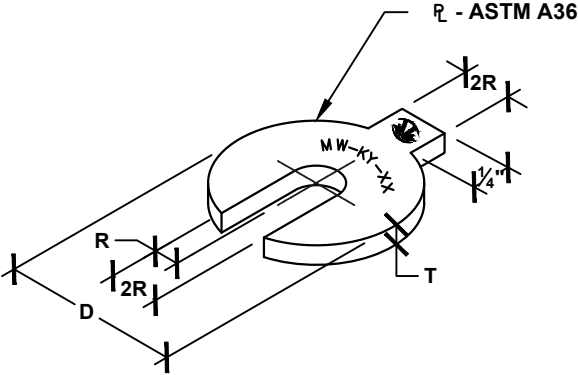


MW-KY SHB KEY



MW-KY DIMENSIONS (LARR #26180)

SIZE	R	D	T
38	$\frac{3}{16}$	$\frac{11}{16}$	$\frac{3}{32}$
50	$\frac{1}{4}$	$\frac{15}{16}$	$\frac{1}{8}$
63	$\frac{5}{16}$	$1\frac{1}{8}$	$\frac{1}{8}$
75	$\frac{3}{8}$	$1\frac{3}{8}$	$\frac{1}{8}$



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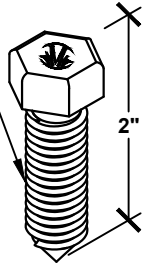
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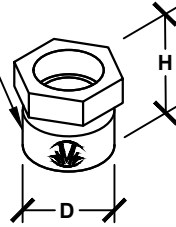
X2.4

BREAK-OFF BOLT AND NUT HARDWARE

1/2" DIA
BREAK-OFF
BOLT FOR
MASON IND. N.Y.
UCC CLAMP
(REF. X3.0) (NUT
BREAKS OFF AT
MIN. 10 FT-LBS)



BREAK-OFF NUT
FOR MASON IND.
N.Y. SCB(H) CABLE
BRACE BRACKETS
(REF. X1.0 & X1.1)
& MW-SPC PIPE
CLAMPS
(REF. X8.3 & X8.3.1)



MW-SCB-BON DIMENSIONS

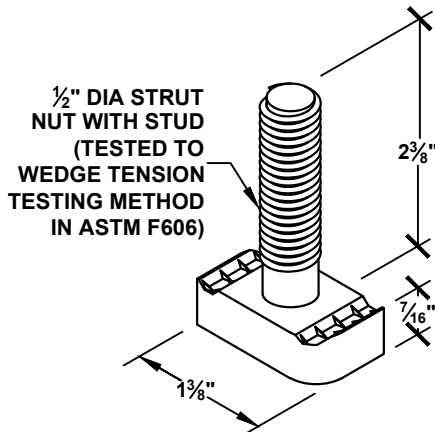
SIZE	D	H	FOR USE WITH	MINIMUM NUT BREAK-OFF TORQUE
5/8	15/16"	31/32"	SCB(H)-0,1	30 FT-LBS
3/4	1 1/16"	31/32"	SCB(H)-2	45 FT-LBS

MATERIAL:

AISI 12L14 CARBON STEEL

(F_y = 60 KSI (MIN), F_T = 78 KSI (MIN))

MW-UCC-BOB



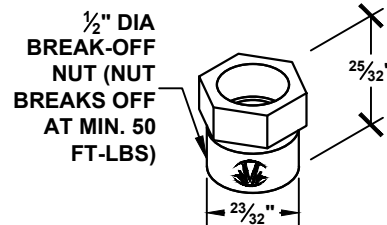
MW-SCB-BON & MW-SPC-BON

MATERIAL:
1020 MILD STEEL
(SPEC. GB 700 GRADE Q235B)
UNLESS OTHERWISE NOTED.

NOTE:  EMBLEM
STAMPED ON HEAD
OF MW-SSN-1/2

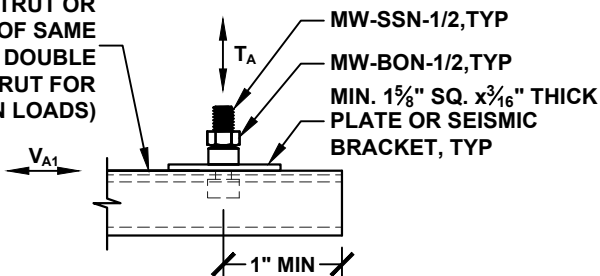
MW-SPC-BON DIMENSIONS

SIZE	D	H	FOR USE WITH	MINIMUM NUT BREAK-OFF TORQUE
3/8	9/16"	21/32"	SPC-13,15,20	20 FT-LBS
1/2	12/16"	26/32"	SPC-25,30,40,50	45 FT-LBS
5/8	15/16"	31/32"	SPC-60,80	75 FT-LBS
3/4	1 3/16"	1"	SPC-100,120	100 FT-LBS

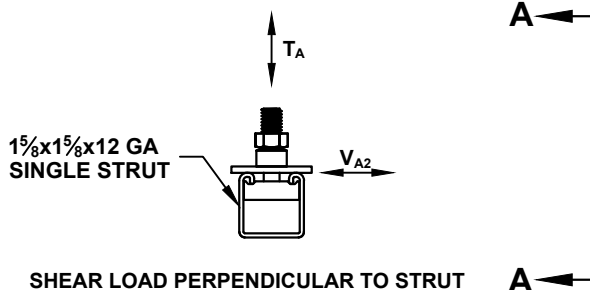


MW-BON-1/2

1 5/8 X 1 5/8 X 12 GA
SINGLE STRUT OR
LARGER OF SAME
GAGE (NO DOUBLE
STRUT FOR
TENSION LOADS)



SHEAR LOAD PARALLEL TO STRUT



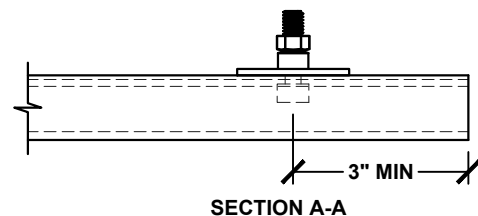
SHEAR LOAD PERPENDICULAR TO STRUT

MW-SSN-1/2 & MW-BON-1/2 RATINGS (ASD) (LARR #26180)

TENSION, (T _A)	SHEAR, (V _{A1})	SHEAR, (V _{A2})
1310 LBS	815 LBS	405 LBS

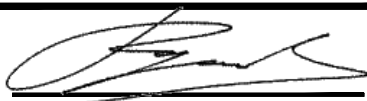
NOTE:

- RATING ARE FOR (1) ATTACHMENT ONLY. CONDITIONS WITH MULTIPLE ATTACHMENTS WERE NOT TESTED.
- COMBINED TENSION AND SHEAR LOADS SHALL BE CHECKED FOR UNITY, $T/T_A + V_1/V_{A1} + V_2/V_{A2} \leq 1.0$
- ONLY (1) MW-SSN-1/2 SHALL OCCUR WITHIN SPAN S AND ANY ADJACENT MW-SSN-1/2 SHALL BE A MINIMUM OF 4" AWAY.
- FOR SHEAR LOADS APPLIED AT AN ANGLE UP TO 45°, THE 3" MIN. EDGE DISTANCE IS REQUIRED.



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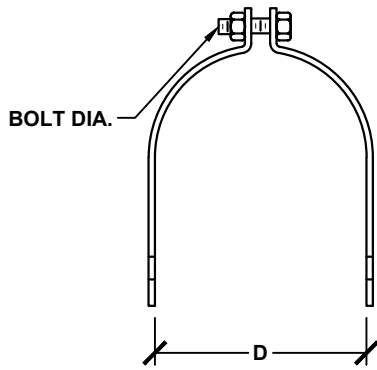
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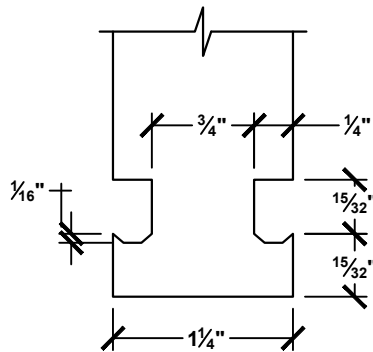
X4.0

MASON WEST MW-SSC AND MW-SSCE

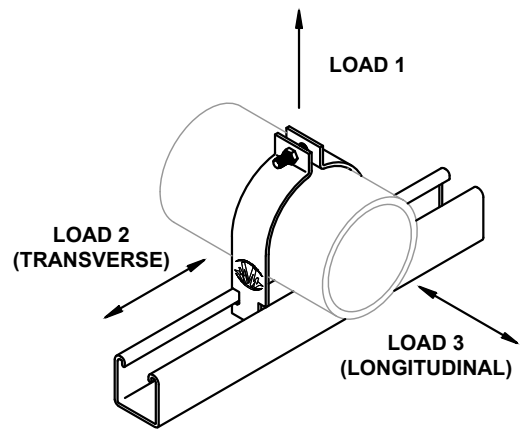


MATERIAL:

CLAMP: HOT ROLLED MILD
STEEL ASTM A1011SS GR 33
BOLT: ASTM A307, GRADE A



PARTIAL DETAIL OF MASON
WEST MW-SSC, MW-SSCE



STEEL PIPE/RIGID STEEL CONDUIT					BOLT TORQUE (FT-LB)	RATINGS (ASD) (LARR #26180)		
PART #	NOM. PIPE SIZE (IN)	D (IN)	STRAP GA.	BOLT (IN)		MAX LOAD 1 (LBS)	MAX LOAD 2 (LBS)	MAX LOAD 3 (LBS)
SSC-13	1 1/4	1.66	14	1/4	6	730	40	175
SSC-15	1 1/2	1.9	12	5/16	11	825	50	100
SSC-20	2	2.375	12	5/16	11	1020	70	325
SSC-25	2 1/2	2.875	12	5/16	11	1215	90	315
SSC-30	3	3.5	12	5/16	11	1410	110	310
SSC-40	4	4.5	11	3/8	20	1640	160	185
SSC-50	5	5.563	11	3/8	20	1870	210	335
SSC-60	6	6.625	10	3/8	20	1415	205	310
SSC-80	8	8.625	10	3/8	20	1415	205	190
SSC-100	10	10.75	10	3/8	20	1415	205	190
SSC-120	12	12.75	10	3/8	20	1415	205	105

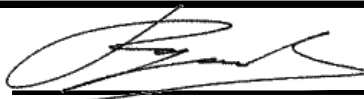
EMT AND IMC CONDUIT					BOLT TORQUE (FT-LB)	RATINGS (ASD) (LARR #26180)		
PART #	NOM. PIPE SIZE (IN)	D (IN)	STRAP GA.	BOLT (IN)		MAX LOAD 1 (LBS)	MAX LOAD 2 (LBS)	MAX LOAD 3 (LBS)
SSCE-13	1 1/4	1.51	14	1/4	6	995	65	160
SSCE-15	1 1/2	1.74	12	5/16	11	1115	70	235
SSCE-20	2	2.197	12	5/16	11	1360	80	260
SSC-25	2 1/2	2.875	12	5/16	11	1435	85	315
SSC-30	3	3.5	12	5/16	11	1510	85	310
SSC-40	4	4.5	11	3/8	20	1570	160	185

- 1 - STEEL PIPE SHALL BE MINIMUM SCHEDULE 10. RIGID STEEL CONDUIT SHALL BE MANUFACTURED TO UL6 AND ANSI C80.3.
- 2 - FOR PIPING/CONDUIT SUSPENDED FROM STRUT, REFER TO PAGE X8.0.1 FOR COMBINED MAX VERTICAL AND LATERAL LOADS.
- 3 - LOAD 2 AND LOAD 3 MAY BE ROTATED UP TO 15° MAX FROM THE REFERENCED LOAD DIRECTION IN PLAN.



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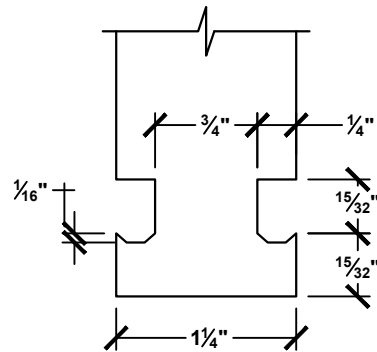
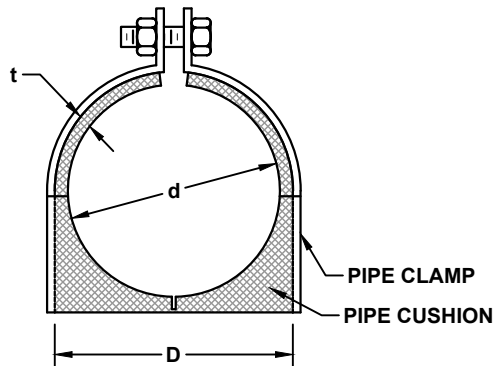
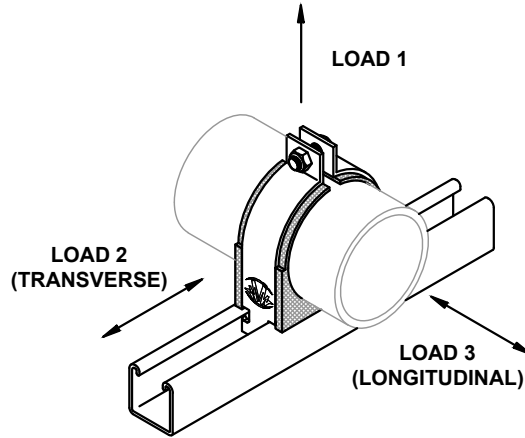
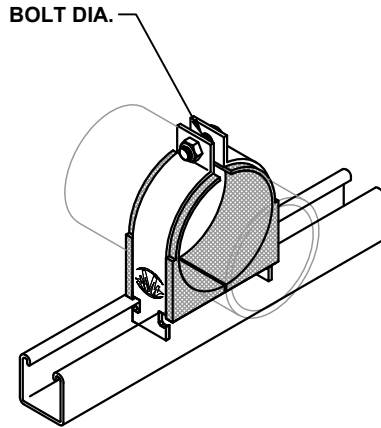
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PAGE

X8.0

MASON WEST MW-SCC



PARTIAL DETAIL OF MASON WEST MW-SCC

MATERIAL:

CLAMP: HOT ROLLED MILD STEEL, ASTM A1011SS GR 33
CUSHION: THERMOPLASTIC ELASTOMER ASTM D4474TES0130 A90000
BOLT: ASTM A307, GRADE A

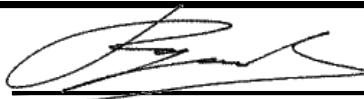
COPPER PIPE (TYPE K OR L)							RATINGS (ASD) (LARR #26180)			
PART #	NOM. PIPE SIZE (IN)	d (IN)	D (IN)	t (IN)	STRAP GA.	BOLT (IN)	BOLT TORQUE (FT-LB)	MAX LOAD 1 (LBS)	MAX LOAD 2 (LBS)	MAX LOAD 3 (LBS)
SCC-13	1/4	1.375	1.66	.1425	12	5/16	11	1145	50	180
SCC-15	1/2	1.625	1.9	.1375	12	5/16	11	1145	65	95
SCC-20	2	2.125	2.375	.125	11	5/16	11	1285	40	90
SCC-25	2 1/2	2.625	2.875	.125	11	5/16	11	1420	40	90
SCC-30	3	3.125	3.5	.1875	11	5/16	11	1560	40	155
SCC-40	4	4.125	4.5	.1875	11	3/8	20	1600	75	125
SCC-50	5	5.125	5.625	.1875	11	3/8	20	1645	105	120
SCC-60	6	6.125	6.625	.1875	11	3/8	20	1685	135	95

- 1 - FOR PIPING SUSPENDED FROM STRUT, REFER TO PAGE X8.1.1 FOR COMBINED MAX VERTICAL AND LATERAL LOADS.
2 - LOAD 2 AND LOAD 3 MAY BE ROTATED UP TO 15° MAX FROM THE REFERENCED LOAD DIRECTION IN PLAN.



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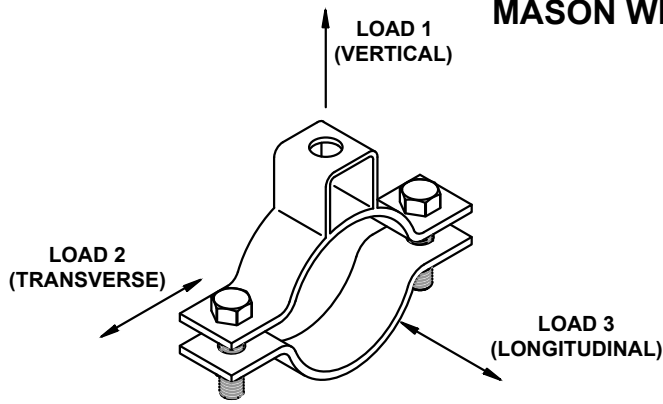
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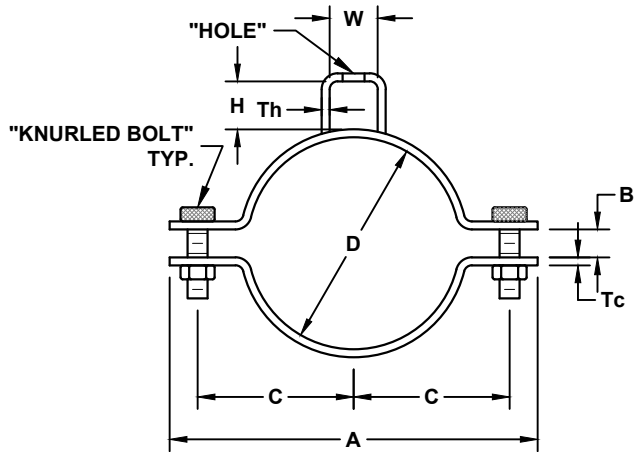
PAGE

X8.1

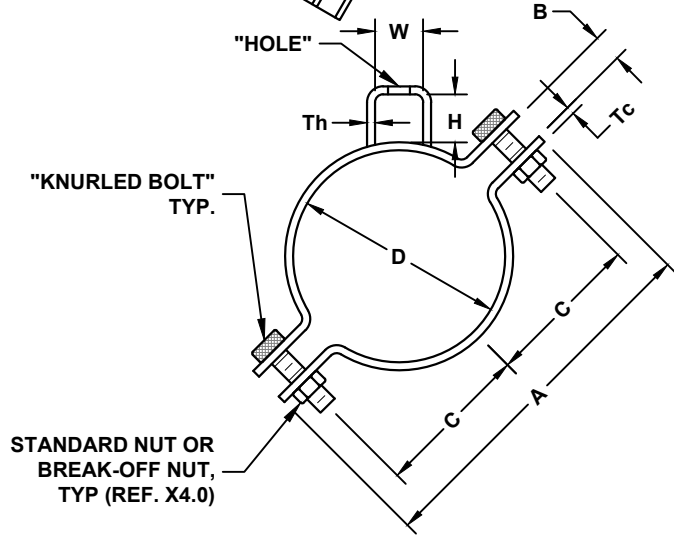
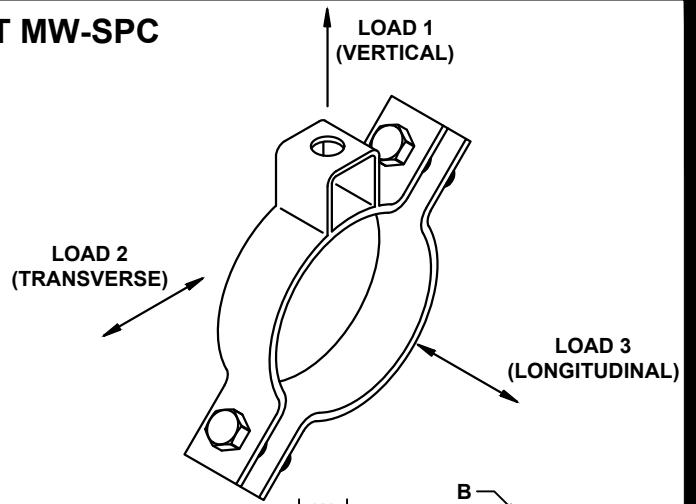
MASON WEST MW-SPC



NOTE:  EMBLEM STAMPED ON BOTTOM OF MW-SPC



1 1/4"Ø TO 3"Ø



4"Ø TO 12"Ø

MATERIAL:

CLAMP: AISI 1050 CARBON STEEL
BOLT: Q235 CARBON STEEL TESTED TO ASTM F606

PART #	NOM. PIPE SIZE (INCH)	A (INCH)	B (INCH)	C (INCH)	D (INCH)	Tc (INCH)	WIDTH (INCH)	BOLT DIA. (INCH)	MIN BOLT TORQUE (FT-LB)	H (INCH)	W (INCH)	Th (INCH)	HOLE DIA. (INCH)
SPC-13	1 1/4	4	1/2	1 3/8	1.66	1/8	1	3/8	20	1 1/4	1 1/4	1/8	7/16
SPC-15	1 1/2	4 1/4	1/2	1 1/2	1.9	1/8	1	3/8	20	1 1/4	1 1/4	1/8	7/16
SPC-20	2	5 1/4	1/2	2	2.375	1/8	1	3/8	20	1 1/4	1 1/4	1/8	7/16
SPC-25	2 1/2	6	5/8	2 1/4	2.875	3/16	1 1/2	1/2	45	1 3/4	1 7/8	3/16	9/16
SPC-30	3	7	5/8	2 3/4	3.5	3/16	1 1/2	1/2	45	1 3/4	1 7/8	3/16	9/16
SPC-40	4	8 1/2	3/4	3 3/8	4.5	3/16	1 1/2	1/2	45	1 3/4	1 7/8	3/16	1 1/16
SPC-50	5	9 3/8	3/4	3 13/16	5.625	3/16	1 1/2	1/2	45	1 3/4	1 7/8	3/16	1 1/16
SPC-60	6	11 1/2	7/8	4 7/8	6.625	1/4	2	5/8	75	2 1/2	2 1/2	3/8	1 3/16
SPC-80	8	13 5/8	1	5 13/16	8.625	1/4	2	5/8	75	2 1/2	2 1/2	3/8	1 3/16
SPC-100	10	16 1/2	1	7 1/4	10.75	3/8	2 1/2	3/4	100	3 1/4	3 1/4	1/2	1 3/16
SPC-120	12	18 1/2	1	8 1/4	12.75	3/8	2 1/2	3/4	100	3 1/4	3 1/4	1/2	1 3/16

NOTE: THIS CLAMP CAN BE USED FOR MINIMUM SCHEDULE 10 STEEL PIPE, NO-HUB CAST IRON PIPE AND RIGID STEEL CONDUIT. RIGID STEEL CONDUIT SHALL BE MANUFACTURED TO UL6 AND AISI C80.1



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X8.3

MASON WEST MW-SPC

MAXIMUM ALLOWABLE LOADS FOR MASON WEST MW-SPC PIPE CLAMPS FOR STEEL PIPING AND RIGID CONDUIT

PART #	NOM. PIPE SIZE (INCH)	RATINGS (ASD) (LARR #26180)		
		MAX VERTICAL LOAD ONLY ¹	MAX LATERAL LOADS ¹	
		LOAD 1 (LBS)	LOAD 2 (LBS)	LOAD 3 (LBS)
SPC-13	1¼	600	185	240
SPC-15	1½	600	185	240
SPC-20	2	600	185	80
SPC-25	2½	1225	250	515
SPC-30	3	1225	250	465
SPC-40	4	1225	190	405
SPC-50	5	1225	190	515
SPC-60	6	3360	365	1005
SPC-80	8	3360	365	810
SPC-100	10	3360	225	970
SPC-120	12	3360	225	935

MAXIMUM ALLOWABLE LOADS FOR MASON WEST MW-SPC PIPE CLAMPS FOR CAST IRON PIPING

PART #	NOM. PIPE SIZE (INCH)	RATINGS (ASD) (LARR #26180)		
		MAX VERTICAL LOAD ONLY ¹	MAX LATERAL LOADS ¹	
		LOAD 1 (LBS)	LOAD 2 (LBS)	LOAD 3 (LBS)
SPC-20	2	600	30	155
SPC-30	3	1225	110	575
SPC-40	4	1225	145	465
SPC-50	5	1225	145	555
SPC-60	6	3360	390	1040
SPC-80	8	3360	390	970
SPC-100	10	3360	210	1075
SPC-120	12	3360	210	1040

1 - REFER TO PAGE X8.3 FOR LOAD DIRECTION, IDENTIFICATION, AND
BALANCE OF INFORMATION.



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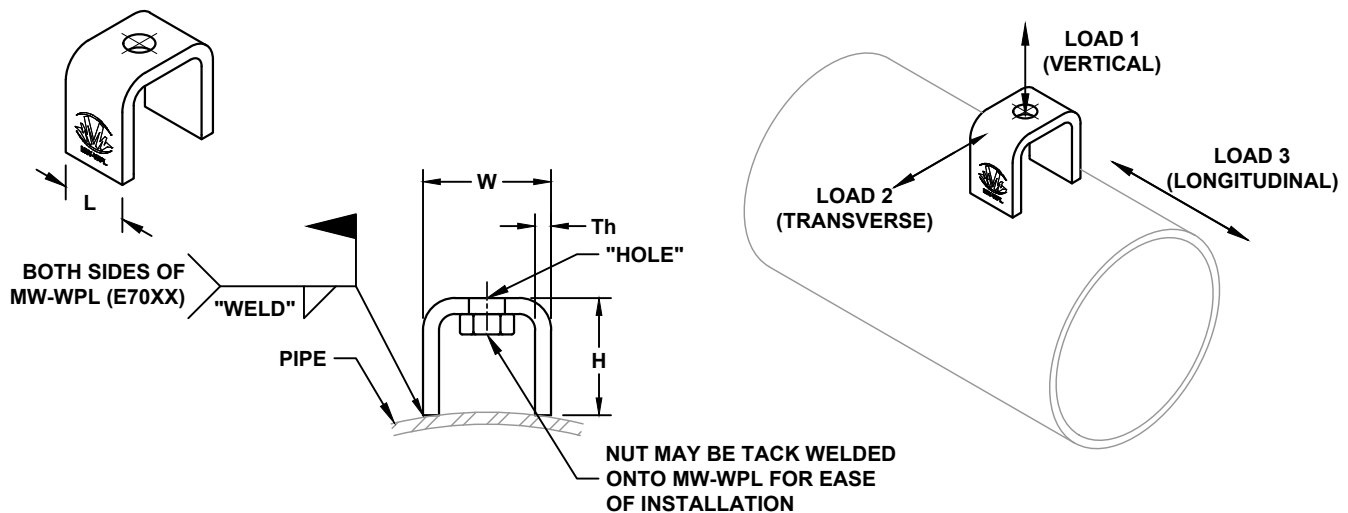
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X8.3.1

MASON WEST MW-WPL WELDED PIPE HANGER LUG



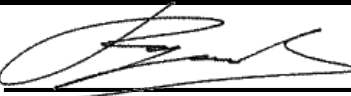
PART #	PIPE SIZE INCH	MAXIMUM HANGER SPACING FT	L INCH	H INCH	W INCH	Th INCH	HOLE SIZE INCH	WELD INCH	RATINGS (ASD) (LARR #26180)				
									MAXIMUM VERTICAL LOAD ONLY LOAD 1 (LBS)	COMBINED MAXIMUM VERTICAL AND LATERAL LOADS		COMBINED MAXIMUM VERTICAL AND LATERAL LOADS	
										LOAD 1 (LBS)	LOAD 2 (LBS)	LOAD 1 (LBS)	LOAD 3 (LBS)
WPL-38	1 1/4 1 1/2 2	10	2	1 1/2	1 1/2	1/8	7/16	1/8	720	540	175	720	450
WPL-50	2 1/2 3	12	2 1/2	2	2	3/16	9/16	3/16	1320	780	350	1320	1050
WPL-63	4 5	16	3	2	2	1/4	11/16	3/16	2880	1760	750	2400	1250
WPL-75	6 8	19	3 1/2	3	3	3/8	13/16	1/4	4800	3200	1250	3840	2500
WPL-75A	10 12 14 16 18	20	4	3	3 1/2	5/8	13/16	5/16	8000	6000	2750	6000	4500
WPL-88	10 12	20	4	3	3	1/2	15/16	5/16	6900	6000	2500	6000	5000
WPL-100	14 16 18	20	5	4	4	5/8	1 1/16	5/16	8880	6900	3000	6900	7500
WPL-125	20 24	20	6	3	4	5/8	1 5/16	5/16	11400	10200	5750	10200	8000

- 1 - MW-WPL LUG IS MADE FROM ASTM A36 OR ASTM A500 GRADE B STEEL.
- 2 - PIPE/CONDUIT MATERIAL TO BE STANDARD SCHEDULE PIPE (MIN. SCH. 40S) MADE OF CARBON OR STAINLESS STEEL MATERIAL PER ASME B31.1 STANDARDS.
- 3 - WHEN USING MW-WPL WITH COMBINED VERTICAL AND LATERAL LOADS, EACH OF THE LOADS MUST BE BELOW WHAT IS SHOWN IN THE ABOVE TABLE.



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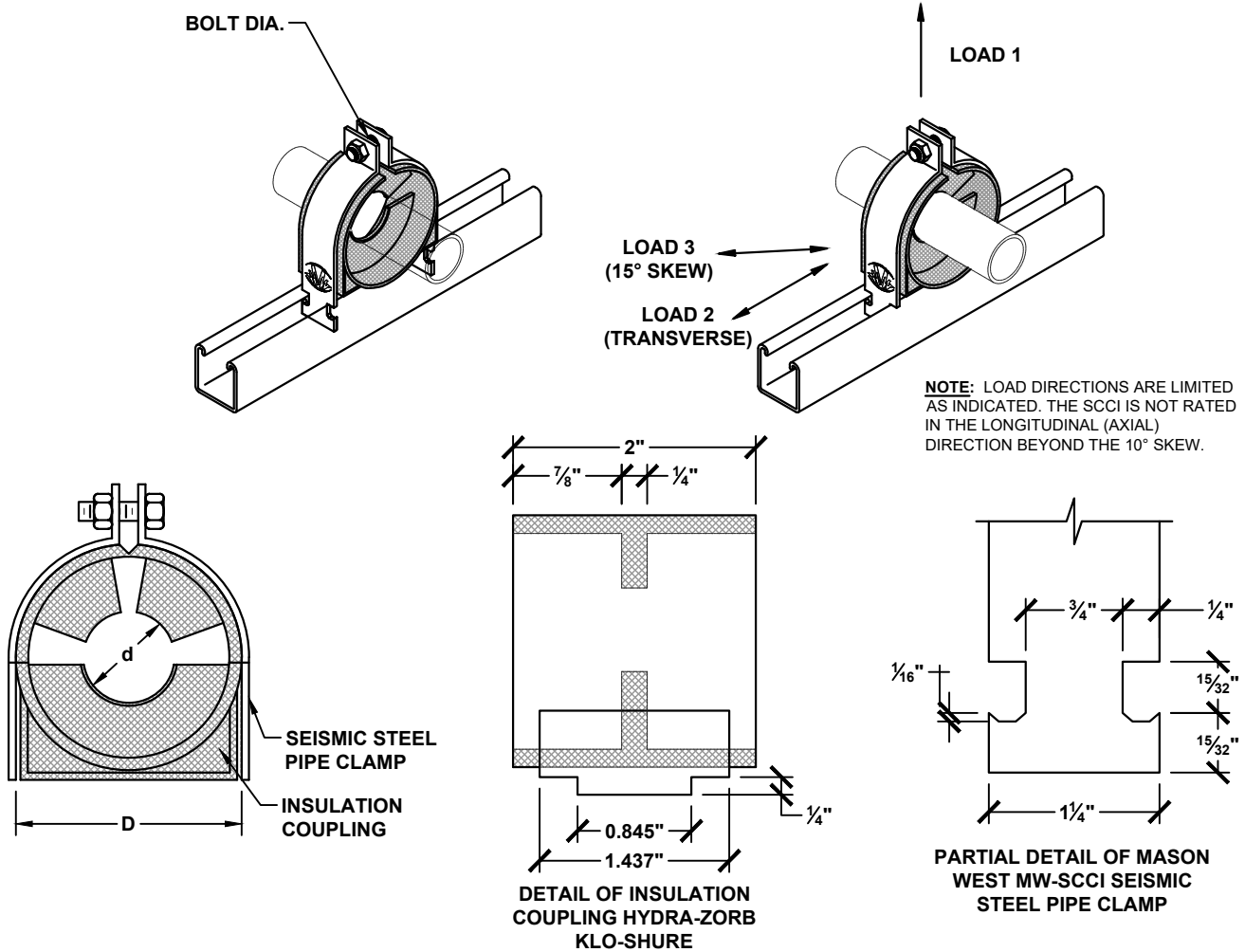
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X8.4

MASON WEST MW-SCCI



MATERIAL:

CLAMP: HOT ROLLED MILD STEEL, ASTM A1011SS GR 33
 INSULATION COUPLING: THERMOPLASTIC TOD-247 MSDS NO. B26057
 BOLT: ASTM A307, GRADE A

NOTE: MW-SCCI SEISMIC STEEL PIPE CLAMPS ARE SPECIALLY DESIGNED FOR USE WITH THE HYDRA-ZORB KLO-SHURE INSULATION COUPLINGS.

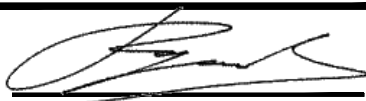
COPPER PIPE (TYPE K OR L) WITH 1/2" ELASTOMERIC OR FIBERGLASS INSULATION ¹						BOLT TORQUE (FT-LB)	RATINGS (ASD) (LARR #26180)		
PART #	NOM. PIPE SIZE	d	D ²	STRAP GA.	BOLT		LOAD 1 (LBS)	LOAD 2 (LBS)	LOAD 3 (LBS)
SCCI-413	1 1/4	1.375	2.50	12	5/16	11	280	45	30
SCCI-415	1 1/2	1.625	2.80	12	3/8	20	290	60	40
SCCI-420	2	2.125	3.27	12	3/8	20	350	75	50
SCCI-425	2 1/2	2.625	3.75	12	3/8	20	400	85	55
SCCI-430	3	3.125	4.25	12	3/8	20	435	90	60
SCCI-440	4	4.125	5.25	12	3/8	20	490	105	70

- 1 - SPECIFY ELASTOMERIC OR FIBERGLASS INSULATION WHEN ORDERING BY ADDING AN E FOR ELASTOMERIC OR F FOR FIBERGLASS TO THE END OF THE PART #. i.e. SCCI-408E
 2 - ±0.05" DIMENSIONS TO ACCOUNT FOR SMALL VARIATION IN ELASTOMERIC VERSUS FIBERGLASS INSULATION THICKNESSES.



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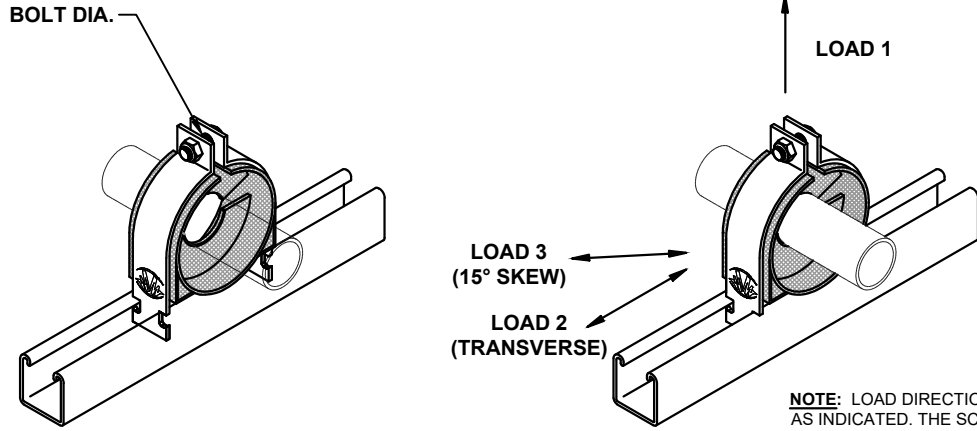
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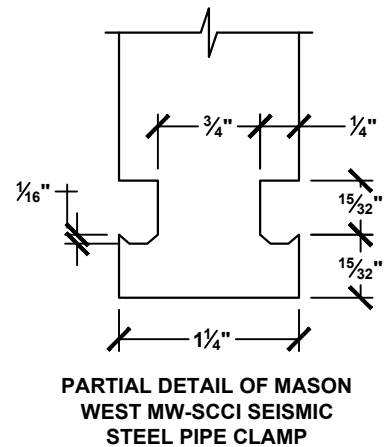
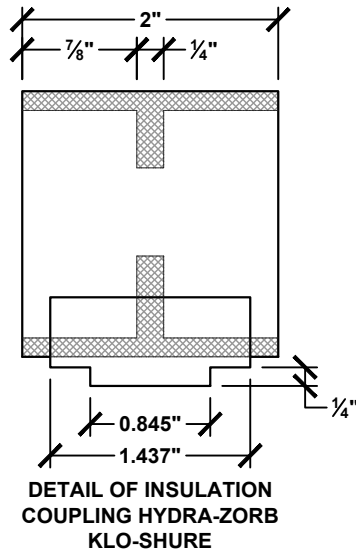
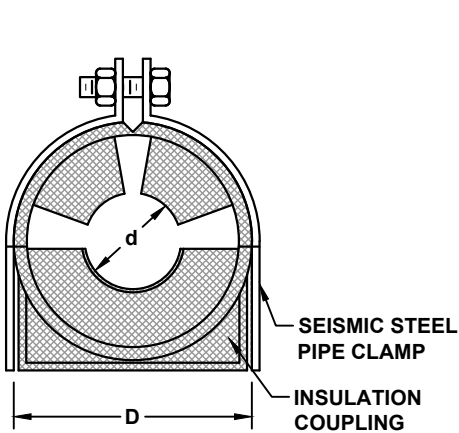
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MASON WEST MW-SCCI



NOTE: LOAD DIRECTIONS ARE LIMITED AS INDICATED. THE SCCI IS NOT RATED IN THE LONGITUDINAL (AXIAL) DIRECTION BEYOND THE 10° SKEW.



MATERIAL:

CLAMP: HOT ROLLED MILD STEEL, ASTM A1011SS GR 33
INSULATION COUPLING: THERMOPLASTIC TOD-247 MSDS NO. B26057
BOLT: ASTM A307, GRADE A

NOTE: MW-SCCI SEISMIC STEEL PIPE CLAMPS ARE SPECIALLY DESIGNED FOR USE WITH THE HYDRA-ZORB KLO-SHURE INSULATION COUPLINGS.

COPPER PIPE (TYPE K OR L) WITH 3/4" ELASTOMERIC INSULATION						BOLT TORQUE (FT-LB)	RATINGS (ASD) (LARR #26180)		
PART #	NOM. PIPE SIZE	d	D	STRAP GA.	BOLT		LOAD 1 (LBS)	LOAD 2 (LBS)	LOAD 3 (LBS)
SCCI-613	1 1/4	1.375	3	12	5/16	11	245	55	30
SCCI-615	1 1/2	1.625	3.25	12	3/8	20	275	70	35
SCCI-620	2	2.125	3.75	12	3/8	20	340	85	45
SCCI-625	2 1/2	2.625	4.25	12	3/8	20	390	95	50
SCCI-630	3	3.125	4.75	12	3/8	20	430	100	55
SCCI-640	4	4.125	5.75	12	3/8	20	490	115	60



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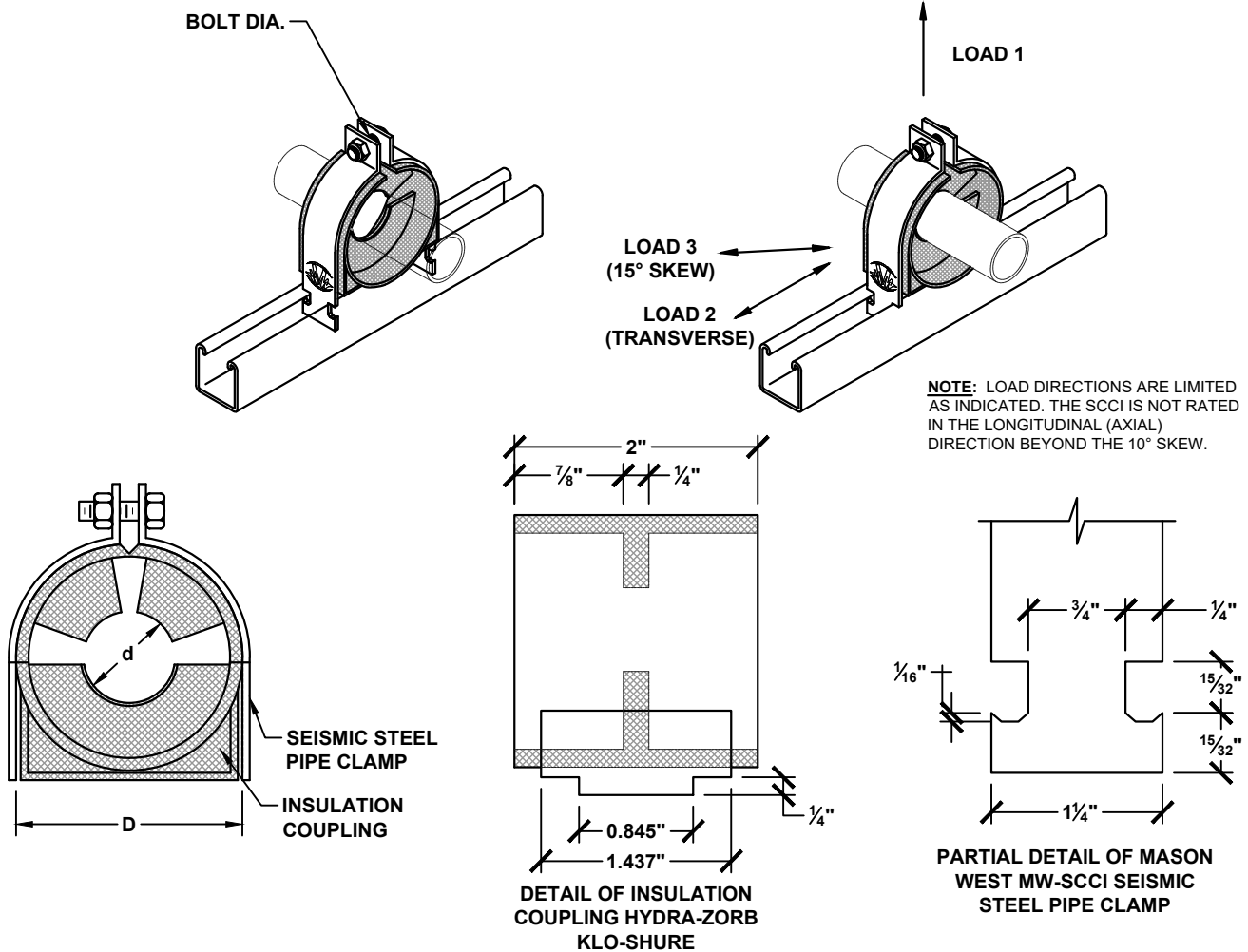
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TEL (714) 630 - 0701, www.masonwest.com


Raymond Huang, PE
California PE No. C85723

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MASON WEST MW-SCCI



MATERIAL:

CLAMP: HOT ROLLED MILD STEEL, ASTM A1011SS GR 33
 INSULATION COUPLING: THERMOPLASTIC TOD-247 MSDS NO. B26057
 BOLT: ASTM A307, GRADE A

NOTE: MW-SCCI SEISMIC STEEL PIPE CLAMPS ARE SPECIALLY DESIGNED FOR USE WITH THE HYDRA-ZORB KLO-SHURE INSULATION COUPLINGS.

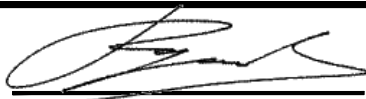
COPPER PIPE (TYPE K OR L) WITH 1" ELASTOMERIC OR FIBERGLASS INSULATION ¹						BOLT TORQUE (FT-LB)	RATINGS (ASD) (LARR #26180)		
PART #	NOM. PIPE SIZE	d	D ²	STRAP GA.	BOLT		LOAD 1 (LBS)	LOAD 2 (LBS)	LOAD 3 (LBS)
SCCI-813	1¼	1.375	3.57	12	5/16	11	210	65	25
SCCI-815	1½	1.625	3.82	12	3/8	20	255	80	35
SCCI-820	2	2.125	4.19	12	3/8	20	325	95	40
SCCI-825	2½	2.625	4.69	12	3/8	20	375	105	40
SCCI-830	3	3.125	5.19	12	3/8	20	420	110	45
SCCI-840	4	4.125	6.25	12	3/8	20	490	125	50

- 1 - SPECIFY ELASTOMERIC OR FIBERGLASS INSULATION WHEN ORDERING BY ADDING AN E FOR ELASTOMERIC OR F FOR FIBERGLASS TO THE END OF THE PART #. i.e. SCCI-808F
 2 - ±0.125" DIMENSIONS FOR 1" DIA., ±0.07" DIMENSIONS FOR ALL OTHERS TO ACCOUNT FOR SMALL VARIATION IN ELASTOMERIC VERSUS FIBERGLASS INSULATION THICKNESSES.



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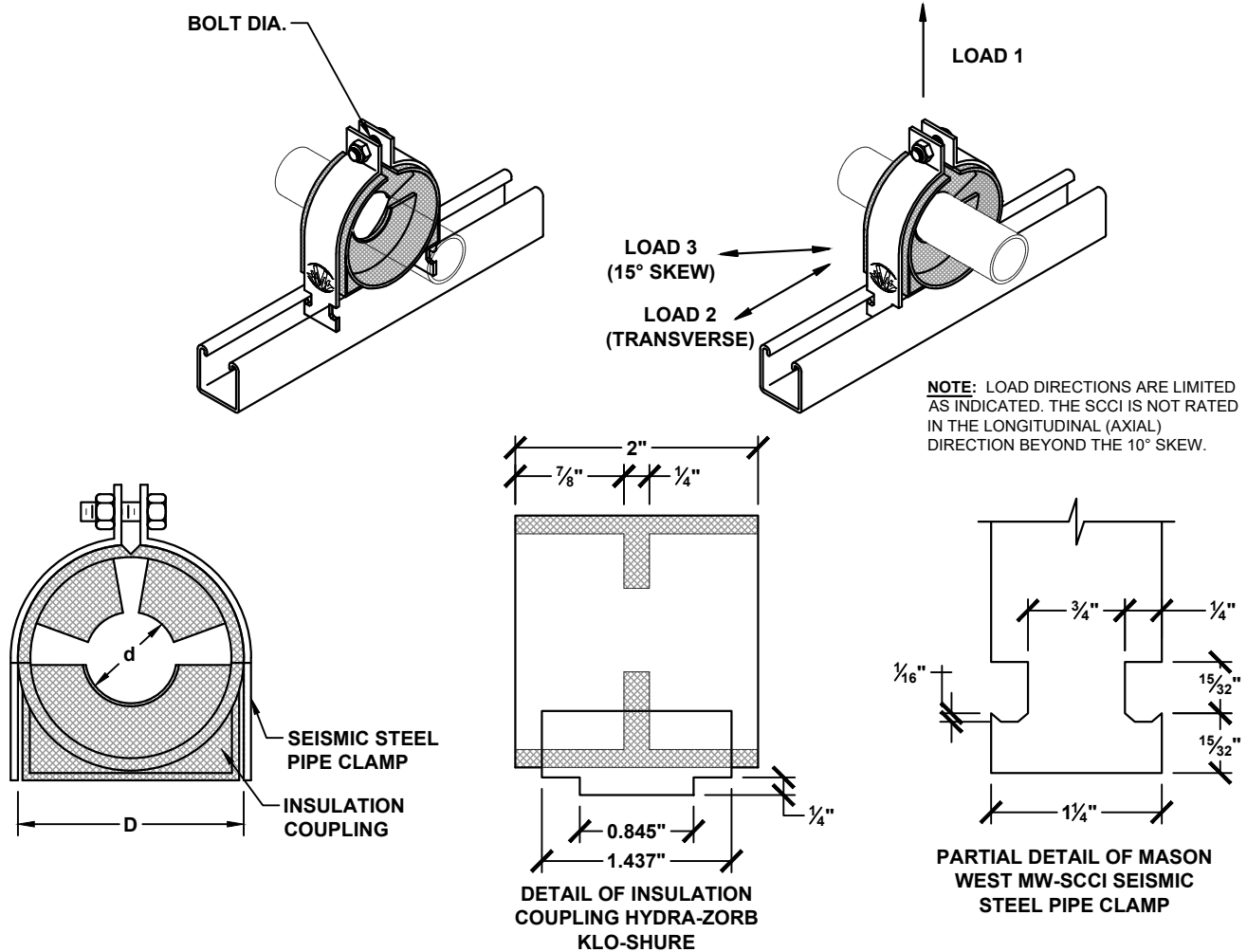
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MASON WEST MW-SCCI



MATERIAL:

CLAMP: HOT ROLLED MILD STEEL, ASTM A1011SS GR 33
 INSULATION COUPLING: THERMOPLASTIC TOD-247 MSDS NO. B26057
 BOLT: ASTM A307, GRADE A

NOTE: MW-SCCI SEISMIC STEEL PIPE CLAMPS ARE SPECIALLY DESIGNED FOR USE WITH THE HYDRA-ZORB KLO-SHURE INSULATION COUPLINGS.

COPPER PIPE (TYPE K OR L) WITH 1½" ELASTOMERIC OR FIBERGLASS INSULATION ¹						BOLT TORQUE (FT-LB)	RATINGS (ASD) (LARR #26180)		
PART #	NOM. PIPE SIZE	d	D ²	STRAP GA.	BOLT		LOAD 1 (LBS)	LOAD 2 (LBS)	LOAD 3 (LBS)
SCCI-913	1¼	1.375	4.5	12	5/16	11	115	135	85
SCCI-915	1½	1.625	4.75	12	3/8	20	120	85	55
SCCI-920	2	2.125	5.25	12	3/8	20	140	90	55
SCCI-925	2½	2.625	5.75	12	3/8	20	160	95	60
SCCI-930	3	3.125	6.25	12	3/8	20	170	75	50

- 1 - SPECIFY ELASTOMERIC OR FIBERGLASS INSULATION WHEN ORDERING BY ADDING AN E FOR ELASTOMERIC OR F FOR FIBERGLASS TO THE END OF THE PART #. i.e. SCCI-915E
 2 - ±0.07" DIMENSIONS (±0.19" FOR 1½" DIA.) TO ACCOUNT FOR SMALL VARIATION IN ELASTOMERIC VERSUS FIBERGLASS INSULATION THICKNESSES.



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