

6 TON MDMEC
Pipe Insert Size – 3 inch
 Sch. 40 Wt. = 7.576 lb/ft
 Sch. 80 Wt. = 10.25 lb/ft
 A105B A53B

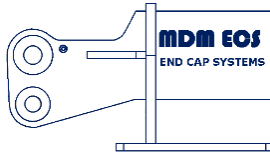
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 Houston, TX 77061-4010 USA
 P: 832-581-2742 | F: 832-581-2743
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 www.myersdnm.net



Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight. Incl. shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
2' – 4" *	6	6	6	6	76	81	16"
4'	6	6	6	6	91	102	36"
6'	6	6	6	6	106	122	60"
8'	6	6	6	6	121	143	84"
10'	6	6	6	6	136	163	108"
12'	6	6	6	6	152	184	132"
14'	6	6	6	6	167	204	156"
16'	5	6	6	6	182	225	180"

Note - Shaded Area indicates structural limit.

Offset – 6.25 Span Adder per End Cap System = 12.5 inches Insert Length = Span – 12.5 inches * - Denotes Minimum Span	MEETS OR EXCEEDS ASME BTH-1 & ASME B30.20 WELDS PER AWS D14.1	Top Shackles 3/4" - 4.75t Bottom Shackles 5/8" - 3.25t
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12 TON MDMEC
Pipe Insert Size – 4 inch
 Sch. 40 Wt. = 10.79 lb/ft
 Sch. 80 Wt. = 14.98 lb/ft
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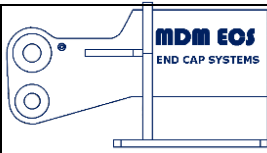
Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight Inc. Shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
3' *	12	12	12	12	147	159	20"
4'	12	12	12	12	157	174	32"
6'	12	12	12	12	179	204	56"
8'	12	12	12	12	201	234	80"
10'	12	12	12	12	222	264	104"
12'	12	12	12	12	244	294	128"
14'	12	12	12	12	265	324	152"
16'	12	12	12	12	288	354	176"
18'	9	12	12	12	308	384	200"
20'	7	9	12	12	330	414	224"

Note - Shaded Area indicates structural limit.

Offset - 8
 Span Adder per End Cap System = 16 inches
 Insert Length = Span – 16 inches
 * - Denotes Minimum Span

MEETS OR EXCEEDS
 ASME BTH-1 & ASME B30.20
 WELDS PER AWS D14.1

Top Shackles 1" - 8.5t
 Bottom Shackles 7/8" - 6.5t



20 TON MDMEC
Pipe Insert Size – 5 inch
 Sch. 40 Wt. = 14.62 lb/ft
 Sch. 80 Wt. = 20.78 lb/ft
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Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight Inc. Shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
3' – 8.25" *	20	20	20	20	258	271	24"
4'	20	20	20	20	288	312	28"
6'	20	20	20	20	317	354	52"
8'	20	20	20	20	346	396	76"
10'	20	20	20	20	376	437	100"
12'	20	20	20	20	405	479	124"
14'	20	20	20	20	434	521	148"
16'	20	20	20	20	464	562	172"
18'	20	20	20	20	493	604	196"
20'	16	20	20	20	522	646	220"
22'	13	17	20	20	551	687	244"
24'	10	13	17	20	581	729	268"
25' **	9	12	15	20	602	750	280"

Note

- Shaded Area indicates structural limit.

Offset – 10.125
 Span Adder per End Cap System = 20.25 inches
 Insert Length = Span – 20.25 inches
 * - Denotes Minimum Span ** - Denotes Maximum Span

MEETS OR EXCEEDS
 ASME BTH-1 & ASME B30.20
 WELDS PER AWS D14.1

Top Shackles 1-3/8" - 13.25t
 Bottom Shackles 1-1/4" - 12t



35 TON MDMEC
Pipe Insert Size – 6 inch
 Sch. 40 Wt. = 18.97 lb/ft
 Sch. 80 Wt. = 28.57 lb/ft
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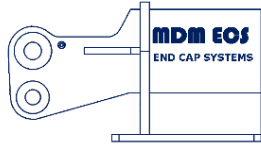
Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight. Incl. shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
4' – 5.25" *	35	35	35	35	446	472	28"
6'	35	35	35	35	508	566	47"
8'	35	35	35	35	546	623	71"
10'	35	35	35	35	584	680	95"
12'	35	35	35	35	622	738	119"
14'	35	35	35	35	660	795	143"
16'	35	35	35	35	698	852	167"
18'	35	35	35	35	736	909	191"
20'	30	35	35	35	774	967	215"
22'	25	35	35	35	812	1024	239"
24'	20	29	35	35	850	1081	263"
26'	16	23	28	35	888	1139	287"
28'	13	19	23	32	926	1196	311"
30'	10	15	18	26	964	1253	335"

Note - Shaded Area indicates structural limit.

Offset – 12.625
 Span Adder per End Cap System = 25.25 inches
 Insert Length = Span – 25.25 inches
 * - Denotes Minimum Span ** - Denotes Maximum Span

MEETS OR EXCEEDS
 ASME BTH-1 & ASME B30.20
 WELDS PER AWS D14.1

Top Shackles 1-3/4" - 25t
 Bottom Shackles 1-1/2" - 17t



54 TON MDMEC
Pipe Insert Size – 8 inch
 Sch. 40 Wt. = 28.55 lb/ft
 Sch. 80 Wt. = 43.39 lb/ft
 A105B A53B

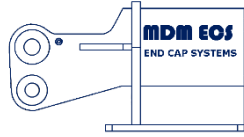
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Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight. Incl. shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
4' – 5.25" *	54	54	54	54	806	850	28"
6'	54	54	54	54	891	980	41"
8'	54	54	54	54	949	1067	65"
10'	54	54	54	54	1006	1154	89"
12'	54	54	54	54	1063	1240	113"
14'	54	54	54	54	1120	1327	137"
16'	54	54	54	54	1177	1415	161"
18'	54	54	54	54	1234	1500	185"
20'	54	54	54	54	1291	1587	209"
22'	54	54	54	54	1348	1674	233"
24'	49	54	54	54	1405	1761	257"
26'	43	54	54	54	1462	1847	281"
28'	37	54	54	54	1519	1934	305"
30'	31	45	54	54	1579	2021	329"
32'	26	38	46	54	1633	2107	353"
34'	22	32	38	54	1690	2194	377"
36'	18	26	32	45	1747	2281	401"
38'	15	22	27	38	1804	2367	425"

Note - Shaded Area indicates structural limit.

Offset – 15.75 Span Adder per End Cap System = 31.5 inches Insert Length = Span – 31.5 inches * - Denotes Minimum Span ** - Denotes Maximum Span	MEETS OR EXCEEDS ASME BTH-1 & ASME B30.20 WELDS PER AWS D14.1	Top Shackles 2" - 35t Bottom Shackles 1-3/4" - 25t
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77 TON MDMEC
Pipe Insert Size – 10 inch
 Sch. 40 Wt. = 40.48 lb/ft
 Sch. 80 Wt. = 64.33 lb/ft
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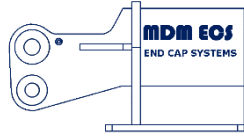
Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight. Incl. shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
6' – 2.5" *	77	77	77	77	1136	1216	40"
8'	77	77	77	77	1325	1515	62"
10'	77	77	77	77	1405	1644	86"
12'	77	77	77	77	1486	1772	110"
14'	77	77	77	77	1567	1901	134"
16'	77	77	77	77	1648	2029	158"
18'	77	77	77	77	1729	2158	182"
20'	77	77	77	77	1810	2286	206"
22'	77	77	77	77	1891	2415	230"
24'	77	77	77	77	1972	2543	254"
26'	77	77	77	77	2052	2672	278"
28'	75	77	77	77	2133	2800	302"
30'	66	77	77	77	2214	2929	326"
32'	58	77	77	77	2295	3057	350"
34'	51	77	77	77	2376	3186	374"
36'	45	67	77	77	2457	3314	398"
38'	39	58	67	77	2538	3443	422"
40'	33	50	57	77	2619	3571	446"
42'	28	42	49	72	2700	3700	470"
44'	24	36	42	63	2780	3828	494"
46'	21	31	36	54	2861	3957	518"
48'	18	26	31	46	2942	4085	542"

Note - Shaded Area indicates structural limit.

Offset – 17.25 inches
 Span Adder per End Cap System = 34.5 inches
 Insert Length = Span – 34.5 inches
 * - Denotes Minimum Span

MEETS OR EXCEEDS
 ASME BTH-1 & ASME B30.20
 WELDS PER AWS D14.1

Top Shackles 2-1/2" - 55t
 Bottom Shackles 2" - 35t



121TON MDMEC
Pipe Insert Size – 12 inch

Sch. 40 Wt. = 53.53 lb/ft
 Sch. 80 Wt. = 88.51 lb/ft
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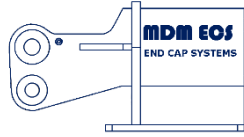
Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight. Incl. shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
7' – 6" *	121	121	121	121	1944	2084	48"
8'	121	121	121	121	2158	2438	54"
10'	121	121	121	121	2265	2616	78"
12'	121	121	121	121	2372	2793	102"
14'	121	121	121	121	2480	2971	126"
16'	121	121	121	121	2587	3148	150"
18'	121	121	121	121	2964	3326	174"
20'	121	121	121	121	2802	3503	198"
22'	121	121	121	121	2909	3681	222"
24'	121	121	121	121	3016	3858	246"
26'	121	121	121	121	3124	4035	270"
28'	118	121	121	121	3231	4213	294"
30'	110	121	121	121	3338	4390	318"
32'	100	121	121	121	3446	4568	342"
34'	90	121	121	121	3553	4745	366"
36'	81	121	121	121	3660	4923	390"
38'	73	115	121	121	3767	5100	414"
40'	66	103	113	121	3875	5278	438"
42'	58	90	100	121	3982	5455	462"
44'	51	79	88	121	4089	5633	486"
46'	45	69	77	121	4197	5810	510"
48'	39	60	67	105	4304	5987	534"
50'	34	52	59	90	4411	6165	558"
52'	29	45	51	78	4519	6342	582"
54'	25	39	44	67	4626	6520	606"
56'	22	33	38	58	4733	6697	630"
58'	19	29	33	50	4841	6875	654"

Note - Shaded Area indicates structural limit.

Offset – 21 inches
 Span Adder per End Cap System = 34.5 inches
 Insert Length = Span – 34.5 inches
 * - Denotes Minimum Span

MEETS OR EXCEEDS
 ASME BTH-1 & ASME B30.20
 WELDS PER AWS D14.1

Top Shackles 2-1/2" - 55t
 Bottom Shackles 2" - 35t



165 TON MDMEC
Pipe Insert Size – 14 inch
 Sch. 40 Wt. = 63.67 lb/ft
 Sch. 80 Wt. = 106.1 lb/ft
 A105B A53B

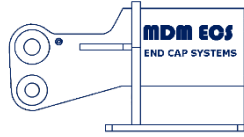
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Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight. Incl. shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
7' – 10" *	165	165	165	165	2827	3013	52"
8'	165	165	165	165	3060	3403	54"
10'	165	165	165	165	3187	3616	78"
12'	165	165	165	165	3313	3829	102"
14'	165	165	165	165	3440	4042	126"
16'	165	165	165	165	3567	4254	150"
18'	165	165	165	165	3694	4467	174"
20'	165	165	165	165	3821	4680	198"
22'	165	165	165	165	3948	4893	222"
24'	165	165	165	165	4075	5106	246"
26'	158	165	165	165	4202	5318	270"
28'	150	165	165	165	4329	5531	294"
30'	141	165	165	165	4456	5744	318"
32'	131	165	165	165	4583	5957	342"
34'	121	165	165	165	4710	6169	366"
36'	111	165	165	165	4836	6382	390"
38'	101	162	165	165	4963	6595	414"
40'	91	146	158	165	5090	6808	438"
42'	82	130	142	165	5217	7021	462"
44'	73	117	127	165	5344	7233	486"
46'	65	103	113	165	5471	7466	510"
48'	58	91	100	158	5598	7659	534"
50'	51	80	89	139	5725	7872	558"
52'	45	70	78	122	5852	8085	582"

Note - Shaded Area indicates structural limit.

Offset – 84 inches Span Adder per End Cap System = 42 inches Insert Length = Span – 42 inches * - Denotes Minimum Span	MEETS OR EXCEEDS ASME BTH-1 & ASME B30.20 WELDS PER AWS D14.1	Top Shackles 2-1/2" - 55t Bottom Shackles 2" - 35t
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275 TON MDMEC
Pipe Insert Size – 16 inch

Sch. 40 Wt. = 82.77 lb/ft
 Sch. 80 Wt. = 136.5 lb/ft
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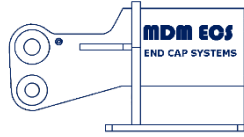
Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight. Incl. shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
9' -1/2" *	274	275	275	275	4406	4665	58"
10'	270	275	275	275	4833	5369	69.5"
12'	266	275	275	275	4998	5642	93.5"
14'	260	275	275	275	5164	5914	117.5"
16'	256	275	275	275	5329	6187	141.5"
18'	251	275	275	275	5494	6460	165.5"
20'	245	275	275	275	5660	6732	189.5"
22'	240	275	275	275	5825	7005	213.5"
24'	232	275	275	275	5990	7278	237.5"
26'	224	275	275	275	6156	7550	261.5"
28'	214	275	275	275	6321	7823	285.5"
30'	204	275	275	275	6487	8069	309.5"
32'	194	275	275	275	6652	8368	333.5"
34'	184	275	275	275	6817	8641	357.5"
36'	172	275	275	275	6983	8914	381.5"
38'	160	258	275	275	7148	9186	405.5"
40'	148	238	258	275	7313	9459	429.5"
42'	136	218	238	275	7479	9731	435.5"
44'	125	200	218	275	7644	10004	477.5"
46'	115	181	198	275	7809	10277	501.5"
48'	104	164	180	275	7975	10549	525.5"
50'	94	148	163	256	8140	10822	549.5"
52'	85	133	147	230	8306	11095	573.5"
54'	76	118	132	206	8471	11367	597.5"

Note - Shaded Area indicates structural limit.

Offset – 101 inches
 Span Adder per End Cap System = 50.5 inches
 Insert Length = Span – 50.5 inches
 * - Denotes Minimum Span

MEETS OR EXCEEDS
 ASME BTH-1 & ASME B30.20
 WELDS PER AWS D14.1

Top Shackles 2-1/2" - 55t
 Bottom Shackles 2" - 35t



440 TON MDMEC
Pipe Insert Size – 0.51 m
 Sch. 40 Wt. = 82.77 lb/ft
 Sch. 80 Wt. = 136.5 lb/ft
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Spreader Span (ft - in)	Capacity at 45° Sling Angle (Tons)		Capacity at 60° Sling Angle (Tons)		Weight. Incl. shackles & Pipe (lbs.)		Length of Insert (ft - in)
	SCH 40	SCH 80	SCH 40	SCH 80	SCH 40	SCH 80	
10'-9" *	398	440	440	440	8166	8667	70"
12'	392	440	440	440	8923	9954	85"
14'	386	440	440	440	9169	10371	109"
16'	382	440	440	440	9414	10788	133"
18'	378	440	440	440	9660	11206	157"
20'	372	440	440	440	9906	11623	181"
22'	366	440	440	440	10151	12040	205"
24'	358	440	440	440	10397	12458	229"
26'	350	440	440	440	10642	12875	253"
28'	340	440	440	440	10888	13292	277"
30'	330	440	440	440	11133	13710	301"
32'	320	440	440	440	11379	14127	325"
34'	309	440	440	440	11625	14544	349"
36'	296	440	440	440	11870	14961	373"
38'	284	440	440	440	12166	15379	397"
40'	270	440	440	440	12361	15796	421"
42'	256	424	440	440	12607	16213	445"
44'	242	400	418	440	12852	16631	469"
46'	228	374	394	440	13098	17048	493"
48'	212	348	368	440	13343	17465	517"
50'	198	324	342	440	13589	17883	541"
52'	184	300	318	440	13835	18300	565"
54'	170	276	294	440	14080	18717	589"
56'	156	254	270	440	14326	19134	613"

Note - Shaded Area indicates structural limit.

Offset – 0.51 m
 Span Adder per End Cap System = 1.50 m
 Insert Length = Span – 1.50 m
 * - Denotes Minimum Span

MEETS OR EXCEEDS
 ASME BTH-1 & ASME B30.20
 WELDS PER AWS D14.1

Top Shackles 2-1/2" - 55t
 Bottom Shackles 2" - 35t