



REEL LAY

REEL LAY EQUIPMENT

42 X 60 Reel System

J. Ray McDermott owns two different pipe reel systems. The first system is the 42 x 60 pipe reel. This is a steel reel with a drum diameter of 42 ft. and a flange of 60 ft. JRM presently has only one reel. The 42 x 60 and 32 x 42 reels can be used in tandem to meet job requirements for installing pipelines. The 42 x 60 reel has the capacity of reeling/laying up to 56 miles of 4 in. pipe or 10 miles of 10 in. pipe.



4260 Reel Specifications – Pipe Stacked on Reel					
Pipe O.D. (nominal) (in.)	Wall Thickness (in.)	Unit Weight (lb./ft.)	Capacity (ft. x 1000)	Length (miles)	Number of 500' Stalks
2"	0.154	3.72	887.1 (W)	168.1	1775
2"	0.218	5.09	648.3 (W)	122.8	1297
3"	0.216	7.67	430.2 (W)	81.5	861
3"	0.300	10.35	318.8 (W)	60.4	638
4"	0.237	10.91	298.5 (G)	56.5	597
4"	0.337	15.10	218.5 (W)	41.4	437
6"	0.280	19.15	139.4 (G)	26.4	279
6"	0.432	28.74	114.8 (W)	21.7	230
8"	0.322	28.78	79.3 (G)	15.0	159
8"	0.500	43.59	75.7 (W)	14.3	152
10"	0.438	48.50	53.7 (G)	10.2	108
10"	0.593	64.57	51.1 (W)	9.7	103
12"	0.500	65.72	36.2 (G)	6.9	73
12"	0.687	88.79	36.2 (W)	6.9	73

Empty Reel Weight = 450 s.t. w/full rigging
 Payload Weight = 1,650 s.t.
 Total Design Capacity = 2,100 s.t.

NOTES:

Capacities are Limited by Either:

(W) = Design Weight

(G) = Geometry Limits

4260 Reel Specifications – Pipe Nested on Reel					
Pipe O.D. (nominal) (in.)	Wall Thickness (in.)	Unit Weight (lb./ft.)	Capacity (ft. x 1000)	Length (miles)	Number of 500' Stalks
2"	0.154	3.72	887.1 (W)	168.1	1775
2"	0.218	5.09	648.3 (W)	122.8	1297
3"	0.216	7.67	430.2 (W)	81.5	861
3"	0.300	10.35	318.8 (W)	60.4	638
4"	0.237	10.91	302.5 (G)	57.3	605
4"	0.337	15.10	218.5 (W)	41.4	437
6"	0.280	19.15	155.6 (G)	29.5	312
6"	0.432	28.74	114.8 (W)	21.7	230
8"	0.322	28.78	92.2 (G)	17.5	185
8"	0.500	43.59	75.7 (W)	14.3	152
10"	0.438	48.50	58.3 (G)	11.0	117
10"	0.593	64.57	51.1 (W)	9.7	103
12"	0.500	65.72	40.3 (G)	7.6	81
12"	0.687	88.79	36.2 (W)	7.0	75

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32 X 42 Reel System

The second system is the 32 x 42 pipe reel. This is a steel reel with a drum diameter of 32 ft. and a flange of 42 ft. JRM presently has two of these reels that can be used in tandem to lay multiple or longer length pipeline. The 32 x 42 reels have the capacity of reeling/laying up to 26 miles of 4 in. pipe or 6 miles of 8 in. pipe.



3242 Reel Specifications – Pipe Stacked on Reel

Pipe O.D. (nominal) (in.)	Wall Thickness (in.)	Unit Weight (lb./ft.)	Capacity (ft. x 1000)	Length (miles)	Number of 500' Stalks
2"	0.154	3.72	245.6 (G)	46.5	492
2"	0.218	5.09	245.6 (G)	46.5	492
3"	0.216	7.67	111.6 (G)	21.1	224
3"	0.300	10.35	111.6 (G)	21.1	224
4"	0.237	10.91	70.1 (G)	13.3	141
4"	0.337	15.10	70.1 (G)	13.3	141
6"	0.280	19.15	32.9 (G)	6.2	66
6"	0.432	28.74	32.9 (G)	6.2	66
8"	0.322	28.78	16.1 (G)	3.0	33
8"	0.500	43.59	16.1 (G)	3.0	33
10"	0.438	48.50	11.2 (G)	2.1	23
10"	0.593	64.57	11.2 (G)	2.1	23

Empty Reel Weight = 100 s.t. w/full rigging
 Payload Weight = 650 s.t.
 Total Design Capacity = 750 s.t.

NOTES:

Capacities are Limited by Either:

(W) = Design Weight

(G) = Geometry Limits

3242 Reel Specifications – Pipe Nested on Reel

Pipe O.D. (nominal) (in.)	Wall Thickness (in.)	Unit Weight (lb./ft.)	Capacity (ft. x 1000)	Length (miles)	Number of 500' Stalks
2"	0.154	3.72	286.3 (G)	54.2	573
2"	0.218	5.09	255.4 (W)	48.4	511
3"	0.216	7.67	132.7 (G)	25.1	266
3"	0.300	10.35	125.6 (W)	23.8	252
4"	0.237	10.91	80.6 (G)	15.3	162
4"	0.337	15.10	80.6 (G)	15.3	162
6"	0.280	19.15	36.2 (G)	6.9	73
6"	0.432	28.74	36.2 (G)	6.9	73
8"	0.322	28.78	18.7 (G)	3.5	38
8"	0.500	43.59	18.7 (G)	3.5	38
10"	0.438	48.50	13.3 (G)	2.5	27
10"	0.593	64.57	13.3 (G)	2.5	27