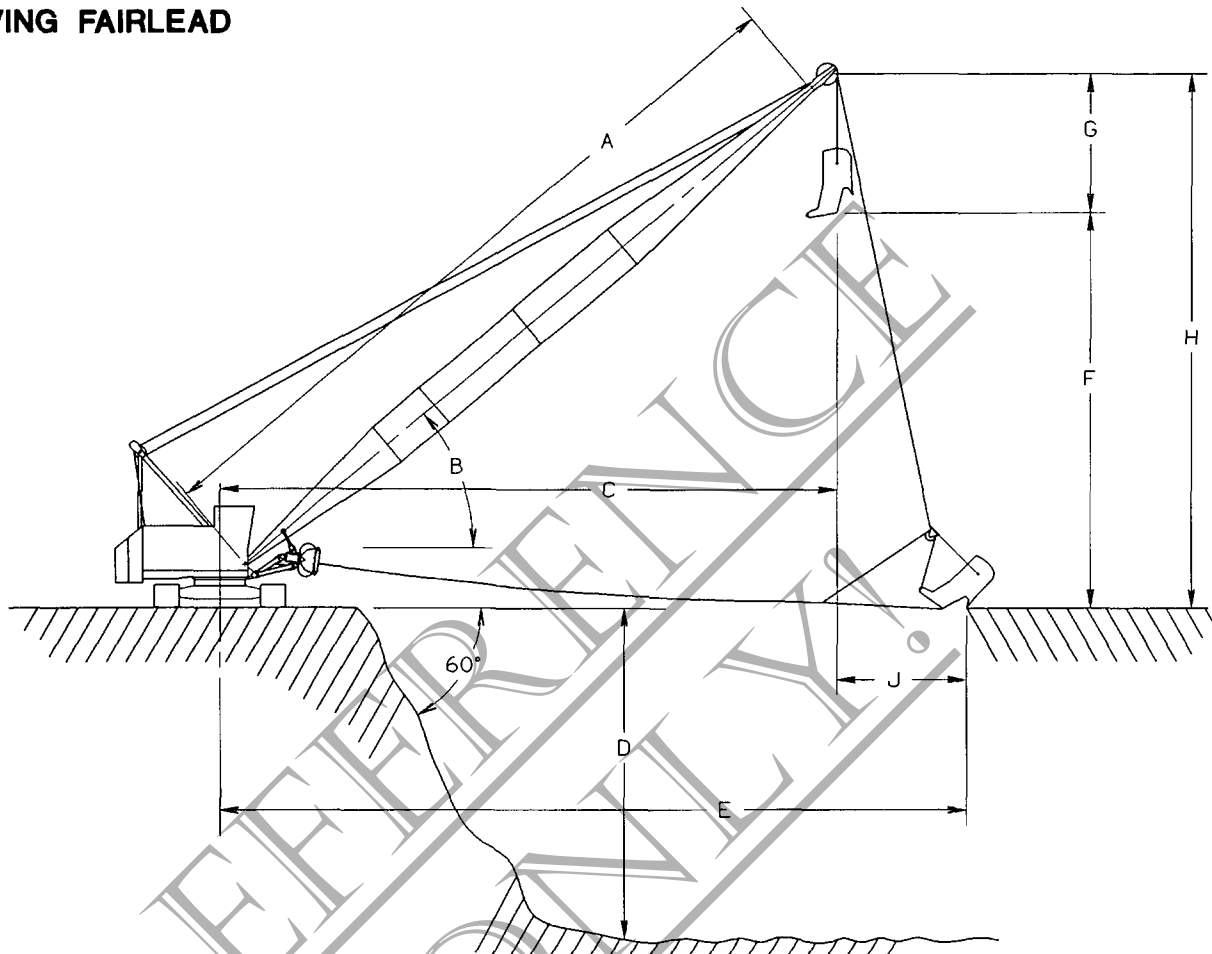


DRAGLINE RANGE DIAGRAM

3950D

REVOLVING FAIRLEAD



A BOOM LENGTH	FT.	70				80				90			
	M	21.3				24.4				27.4			
B BOOM ANGLE	DEG.	30	35	40	45	30	35	40	45	30	35	40	45
C CL OF ROTATION TO CENTER DUMP	FT.	69	65	62	57	78	74	69	64	86	82	77	71
	M	21.0	19.8	18.9	17.4	23.8	22.6	21.0	19.5	26.2	25.0	23.5	21.6
D DEPTH CUT (APPROX.)	FT.	49	42	35	28	64	56	49	40	79	71	62	52
	M	14.9	12.8	10.7	8.5	19.5	17.1	14.9	12.2	24.1	21.6	18.9	15.8
E DIGGING REACH (APPROX.)	FT.	77	75	73	70	88	86	83	79	97	96	93	89
	M	23.5	22.9	22.3	21.3	26.8	26.2	25.3	24.1	29.6	29.3	28.3	27.1
F DUMPING HEIGHT	FT.	24	29	34	39	29	35	41	46	34	41	47	53
	M	7.3	8.8	10.4	11.9	8.8	10.7	12.5	14.0	10.4	12.5	14.3	16.2
H HEIGHT FROM GRADE TO CL OF BOOM POINT	FT.	44	49	54	59	49	55	61	66	54	61	67	73
	M	13.4	14.9	16.5	18.0	14.9	16.8	18.6	20.1	16.5	18.6	20.4	22.3
J CASTING DISTANCE	FT.	8	10	11	13	10	12	14	15	11	14	16	18
	M	2.4	3.0	3.4	4.0	3.0	3.7	4.3	4.6	3.4	4.3	4.9	5.5

DRAGLINE RANGE DIAGRAM 3950D

REVOLVING FAIRLEAD

A BOOM LENGTH	FT.	100				110				120			
	M	30.5				33.5				36.6			
B BOOM ANGLE	DEG.	30	35	40	45	30	35	40	45	30	35	40	45
C CL OF ROTATION TO CENTER DUMP	FT.	95	90	85	78	104	98	92	86	112	106	100	93
	M	29.0	27.4	25.9	23.8	31.7	29.9	28.0	26.2	34.1	32.3	30.5	28.3
D DEPTH CUT (APPROX.)	FT.	94	85	75	65	96	99	88	77	88	93	85	78
	M	28.7	25.9	22.9	19.8	29.3	30.2	26.8	23.5	26.8	28.3	25.9	23.8
E DIGGING REACH (APPROX.)	FT.	108	105	103	98	119	115	112	108	128	125	122	118
	M	32.9	32.0	31.4	29.9	36.3	35.1	34.1	32.9	39.0	38.1	37.2	36.0
F DUMPING HEIGHT	FT.	39	46	53	60	44	52	60	67	49	58	66	74
	M	11.9	14.0	16.2	18.3	13.4	15.8	18.3	20.4	14.9	17.7	20.1	22.6
H HEIGHT FROM GRADE TO CL OF BOOM POINT	FT.	59	66	73	80	64	72	80	87	69	78	86	94
	M	18.0	20.1	22.3	24.4	19.5	21.9	24.4	26.5	21.0	23.8	26.2	28.7
J CASTING DISTANCE	FT.	13	15	18	20	15	17	20	22	16	19	22	25
	M	4.0	4.6	5.5	6.1	4.6	5.2	6.1	6.7	4.9	5.8	6.7	7.6

THE WORKING RANGES IN THE TABLE ABOVE ARE BASED ON THE FOLLOWING CONDITIONS:

- DIMENSION 'F' IS BASED ON A 'G' DIMENSION OF 20' (6.1M).
- DIMENSION 'D' IS BASED ON A 14' (4.3M) FLOOR LEVEL BOTTOM TO FILL THE BUCKET AND CASTING DISTANCE 'J' EQUAL TO APPROXIMATELY 1/3 THE DUMPING HEIGHT 'F'. THE TWO DIMENSIONS ARE ALSO BASED ON MAXIMUM DRUM CAPACITY WITH ONE LAYER OF ROPE. FRONT DRUM (DRAG) USEABLE LENGTH - 121' (36.9M) OF 1-3/8" (34.9MM) DIAMETER ROPE - LAGGING NO. 164293. REAR DRUM (HOIST) CAPACITY - 173' (52.7M) OF 1-1/8" (28.6MM) DIAMETER ROPE - LAGGING NO. 162555. THE DEPTH OF CUT, CASTING DISTANCE AND DIGGING REACH MAY VARY CONSIDERABLY DEPENDING ON DIGGING CONDITIONS, DESIGN OF BUCKET AND OPERATOR'S SKILL. MAXIMUM DIGGING DEPTHS ARE ATTAINABLE UNDER IDEAL CONDITIONS AND CANNOT BE GUARANTEED.
- MACHINES ARE EQUIPPED WITH WIRE ROPE TO DIG TO A DEPTH OF 40' (12.2M), 50' (15.2M), 55' (16.8M), 60' (18.3M), 65' (19.8M) AND 70' (21.3M) FOR BOOM LENGTHS OF 70' (21.3M), 80' (24.4M), 90' (27.4M), 100' (30.5M), 110' (33.5M) AND 120' (36.6M) RESPECTIVELY.