

# WIRE ROPE SPECIFICATIONS

**4100W**

CLAMSHELL — GRAPPLE  
 BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP

**4100W SERIES-1**

**WIRE ROPE LENGTHS**

BOOM LENGTH		FRONT OR ROOF DRUM CLOSING LINE		REAR OR RIGHT REAR DRUM HOLDING LINE	
FEET	METERS	FEET	METERS	FEET	METERS
70	21.3	250	76	180	55
80	24.4	270	82	200	61
90	27.4	285	87	220	67
100	30.5	305	93	240	73
110	33.5	325	99	260	79
120	36.6	345	105	275	84

Lengths are based on a 65 degree boom angle, 20 feet (6.1m) digging depth and a required 67 feet (20.4m) for reeving bucket.

Rewrap on equal split drums will occur if hoisting distance exceed approximately 80 feet (24.4m) with boom at a 65 degree angle and a digging depth of 20 feet (6.1m). The occurrence of rewrap may vary depending on boom angle, digging depth, bucket size or length of wire rope chosen for the operation.

**CLOSING ROPE** — 1 1/8" (28.6mm) — 6 x 25 filler wire, extra improved plow steel, regular lay, IWRC. Minimum breaking strength 130,000 lbs. (58,960 kg).

**HOLDING ROPE** — 1 1/8" (28.6mm) — 6 x 25 filler wire, extra improved plow steel, regular lay, IWRC. Minimum breaking strength 130,000 lbs. (58,960 kg).

REFER TO DRUM AND LAGGING CHART NO. 6105