

# Wire Rope Specifications

Clamshell and Grapple

Boom No. 111 With Open Throat Top

Wire Rope Lengths					
Boom Length		Front Drum Closing Line		Rear Drum Holding Line	
Ft.	Meters	Ft.	Meters	Ft.	Meters
40	12.2	180	55	120	37
50	15.2	200	61	140	43
60	18.3	220	67	160	49
70	21.3	240	73	180	55

Wire rope lengths are based on 65 Degree boom angle, 20 Ft. (6m) digging depth and 63 Ft. (19m) for reeving bucket.

**Note:** Rewrap on front drum (closing line) will occur if hoisting distance exceeds approximately 62 Ft. (19m) with boom at a 65 Degree angle and a digging depth of 20 Ft. (6m).

The occurrence of rewrap may vary depending on boom angle, digging depth, bucket size or length of wire rope chosen for the operation.

Normal operation may include rewrap on the controlled pressure closing line but for maximum rope life, rewrap should not be allowed on the holding line.

Wire Rope Specifications		
Closing Line:	7/8 in. (22 mm) -	6 x 25 Filler Wire, Extra Improved Plow Steel Regular Lay, IWRC Minimum Breaking Strength = 79,600 Lbs. (36 100 kg) MCC Part No. 719111
Holding Line:	7/8 in. (22 mm) -	6 x 25 Filler Wire, Extra Improved Plow Steel Regular Lay, IWRC Minimum Breaking Strength = 79,600 Lbs. (36 100 kg) MCC Part No. 719111

Refer to Drum and Lagging chart **No. 9132-A**.