

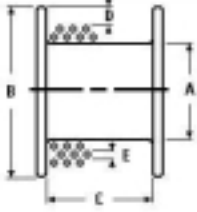
Tech Tips

Technical support is an integral part of the Total System Solution philosophy that IR is dedicated to providing. The following pages contain useful technical information to assist in the selection of high capacity hoists and winches.

For regular updates and additions, please see our website at www.airwinch.com for:

- *Drum Capacity Estimator* program: Plug in your numbers to determine the amount of wire rope a given size drum can hold.
- *Horizontal Load Reversing Capacity Estimator*: Calculates length of drum required to move a load a given distance.
- *Uplinks*: Technical discussions on various topics
- *Winch and hoist options*: Detailed descriptions and benefits of various options for IR hoists and winches
- *Seattle Specials*: Overviews and photos of engineered custom products not found in this catalog

IR Drum Capacity Estimator



A Barrel diameter: in

B Flange diameter: in

C Drum length: in

D **Freeboard**: in

E Cable diameter: English Metric = inches

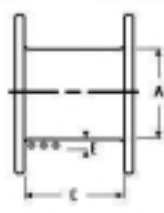
Unit of Measure: English Metric Drum surface: Smooth Grooved

Total Drum Capacity:	<input type="text"/> feet
Total Working Drum Capacity:	<input type="text"/> feet
Recommended Working Capacity:	<input type="text"/> feet
D / d ratio:	<input type="text"/>
Minimum distance to lead sheave:	<input type="text"/> feet
Maximum distance to lead sheave:	<input type="text"/> feet

[Wire Rope chart](#)
[Definitions](#)

IR Horizontal Load Reversing Capacity Estimator

Enter your choices for Barrel Diameter and Cable Size plus a value for either Drum Width or 1st Layer Travel, then click the Calculate button to determine the unknown value



A Barrel diameter: in <>

E Cable diameter: English Metric = inches
Unit of Measure: English Metric

C Drum length: in Enter the value for one of these unknowns and click Calculate to generate the other value
[1st Layer Travel](#): feet

[D / d ratio:](#)

[Minimum distance to lead sheave:](#) feet < >

[Wire Rope chart](#)
[Dead Wraps](#)
[What is HLR?](#)