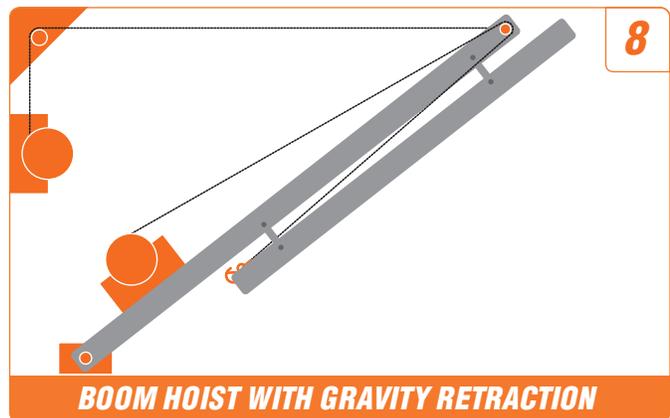


BOOM HOIST WITH GRAVITY EXTENSION



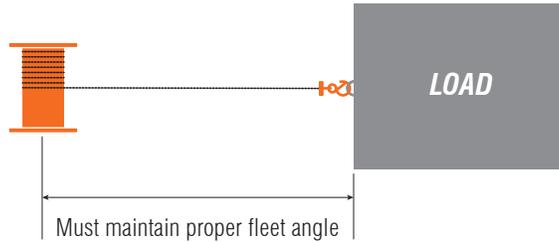
BOOM HOIST WITH GRAVITY RETRACTION

CAUTION: The final determination as to the suitability of this product for any purpose is solely that of the user. Columbia products are not to be used to lift people or to lift anything over people.



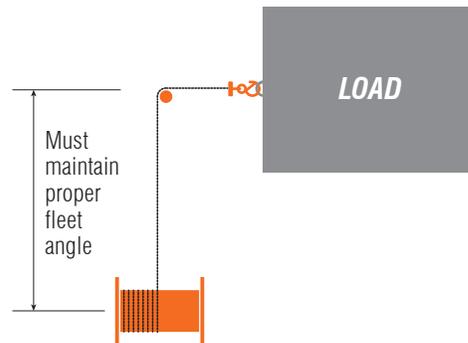
1 SINGLE DIRECTION - DIRECT LOAD

- Load is pulled in one direction
- Freespool out to attach to load



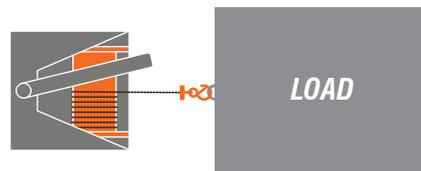
2 SINGLE DIRECTION WITH CHANGE-OF-DIRECTION SHEAVE

- Load is pulled in one direction
- Freespool out to attach to load
- Winch is offset to create proper fleet angle



3 SINGLE DIRECTION WITH AUTOADVANCE LINE SPOOLER

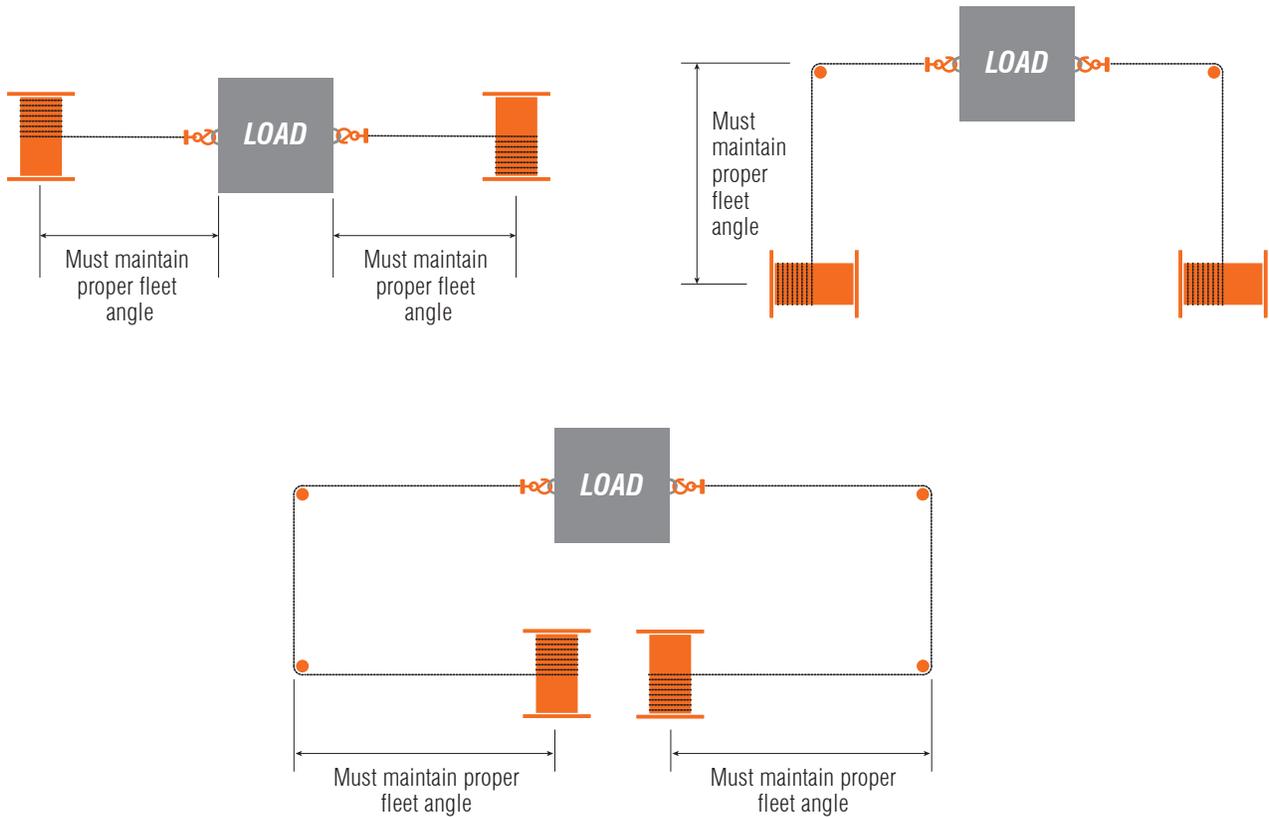
- Load is pulled in one direction
- Freespool out to attach to load
- No minimum fleet angle required



CAUTION: The final determination as to the suitability of this product for any purpose is solely that of the user. Columbia products are not to be used to lift people or to lift anything over people.

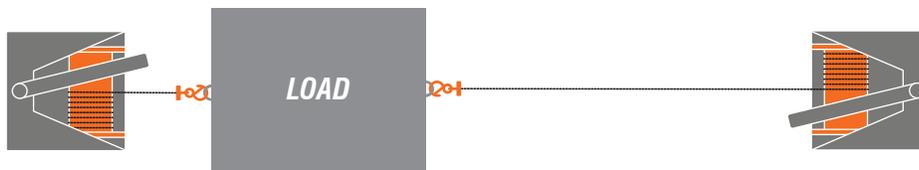
4 BIDIRECTIONAL DUAL WINCHES

- Operation of winches must be coordinated



5 BIDIRECTIONAL DUAL WINCHES

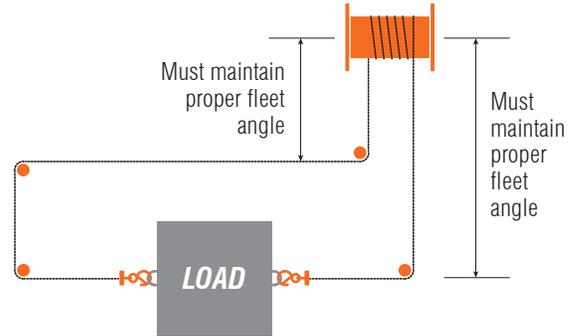
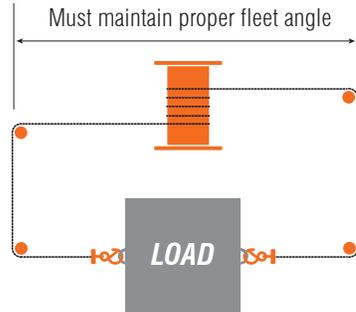
- No minimum fleet angle required



CAUTION: The final determination as to the suitability of this product for any purpose is solely that of the user. Columbia products are not to be used to lift people or to lift anything over people.

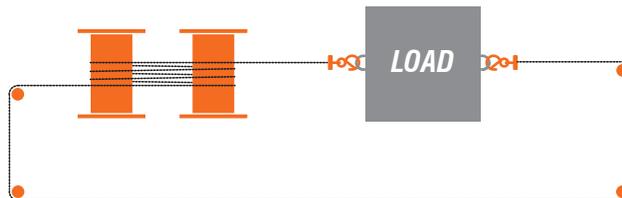
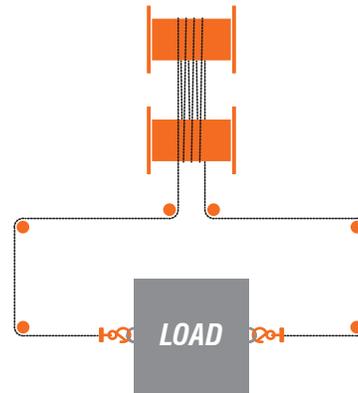
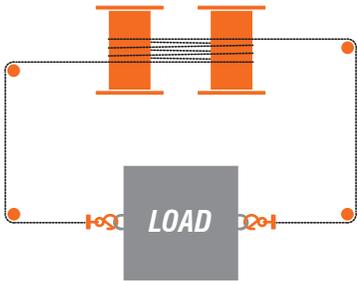
6 BIDIRECTIONAL SINGLE WINCH

- Line is pulled in two directions on a single drum



7 TRACTION DRIVE

- Line is wrapped around two drums
- Travel distance is unlimited
- No minimum fleet angle required



CAUTION: The final determination as to the suitability of this product for any purpose is solely that of the user. Columbia products are not to be used to lift people or to lift anything over people.