Denver Rope - Winch / Tow Line Worksheet

- **Working Load:** For Commercial Winch / Towing Applications the W.L. is chosen to be equal to the fully loaded weight of the towed vehicle as a minimum. For light duty applications the W.L. is often chosen to be 1/3 – 1/2 the fully loaded weight of the towed vehicle.
- Denver Rope is always concerned as not to exceed a customer’s budget. However, the Owner is legally responsible for the safety of his passengers and equipment; therefore, it is always better to error on the conservative side when specifying a Winch / Tow Line.
- Please fill out this worksheet the best you can and return to Denver Rope. Thank you.

Please describe below your towing vehicle and the towed vehicle. Include weight, location, etc.
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

Please describe below what you are specifying on this worksheet; Winch Line / Winch Line Extension, other.
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
A. SK-75 Dyneema 12-Strand Rope (Lite Steel, Amsteel, and other trade names)
1. Specify Length ____________ (50ft is typical – customer specified)
2. Specify Diameter ____________ (*Denver Rope Strength Guide*)
3. Specify Color ____________ (blue is standard, for other colors inquire)
*DR will assist the customer in selecting the diameter of rope and hardware that matches the W.L. of the line.

B1. Winch End Connection
(Specify a Bitter End)
1. Bitter End ____________ (y/n – standard)
2. Finishing Options ____________ (y/n – customer specified below)
   a. Taped & Cut ____________ (y/n – standard)
   b. Melted / Sealed ____________ (y/n – end cut fibers are melted and sealed)
   c. Heat Shrink ____________ (y/n – black heat shrink covers the end cut)

B2. Winch Line Extension or Tow Line
(see part B2 at end of this worksheet)

C. Working End Connection
(choose between 1 or 2 below)
1. Heavy Duty Stainless Hard Eye ____________ (y/n - standard)
   a. Wire Rope Thimble ____________ (y/n – customer specified)
   b. Tube Thimble ____________ (y/n – customer specified)
2. Soft Eye / Loop ____________ (y/n – customer specified below)
   a. Eye Splice Size ____________ (6”, 8”, 10”, 12”, 18”, 24” are typical)
   b. Chafe Guard ____________ (y/n - covered eyes are recommended)
3. Hook ____________ (y/n - customer specified below)
   a. Spliced Permanent ____________ (y/n – customer specified)
   b. Shipped Loose ____________ (y/n – customer specified)
   c. Hook Options ____________ (y/n – choose from list below)
1. One ____________ (y/n – customer specified)
2. Two ____________ (y/n – customer specified)
3. Three ____________ (y/n – customer specified)
4. Four ____________ (y/n – customer specified)
4. Shackle (shipped loose) ____________ (y/n – customer specified below)
   a. Galvanized ____________ (y/n – customer specified)
   b. Stainless ____________ (y/n – customer specified)

D. Chafe Guard
1. Chafe Guard ____________ (y/n – standard)
2. Length ____________ (y/n – customer specified)
3. Floating Loose ____________ (y/n – standard)
4. Sewn in Place ____________ (y/n – customer specified below)
   a. where

* Dyneema Winch Line Extension or Recovery / Tow Line*
If a bitter end is not required or sufficient, then complete B2 below for a working end connection.
B2. Working End Connection (choose between 1 or 2 below)

1. Heavy Duty Stainless Hard Eye ____________ (y/n - standard)
   a. Wire Rope Thimble ____________ (y/n – customer specified)
   b. Tube Thimble ____________ (y/n – customer specified)
2. Soft Eye / Loop ____________ (y/n – customer specified below)
   a. Eye Splice Size ____________ (6”, 8”, 10”, 12”, 18”, 24” are typical)
   b. Chafe Guard ____________ (y/n - covered eyes are recommended)
3. Hook ____________ (y/n - customer specified below)
   a. Spliced Permanent ____________ (y/n – customer specified)
   b. Shipped Loose ____________ (y/n – customer specified)
   c. Hook Options ____________ (y/n – choose from list below)
1. One ____________ (y/n – customer specified)
2. Two ____________ (y/n – customer specified)
3. Three ____________ (y/n – customer specified)
4. Four ____________ (y/n – customer specified)
4. Shackle (shipped loose) ____________ (y/n – customer specified below)
   a. Galvanized ____________ (y/n – customer specified)
   b. Stainless ____________ (y/n – customer specified)

www.denverrope.com
For customer service and inquiries please call John 303-809-7274
or email john@denverrope.com.
Please email the completed worksheet back to John of Denver Rope
or can fax to 305-635-0530 attention Cari Valdes – Denver Rope.