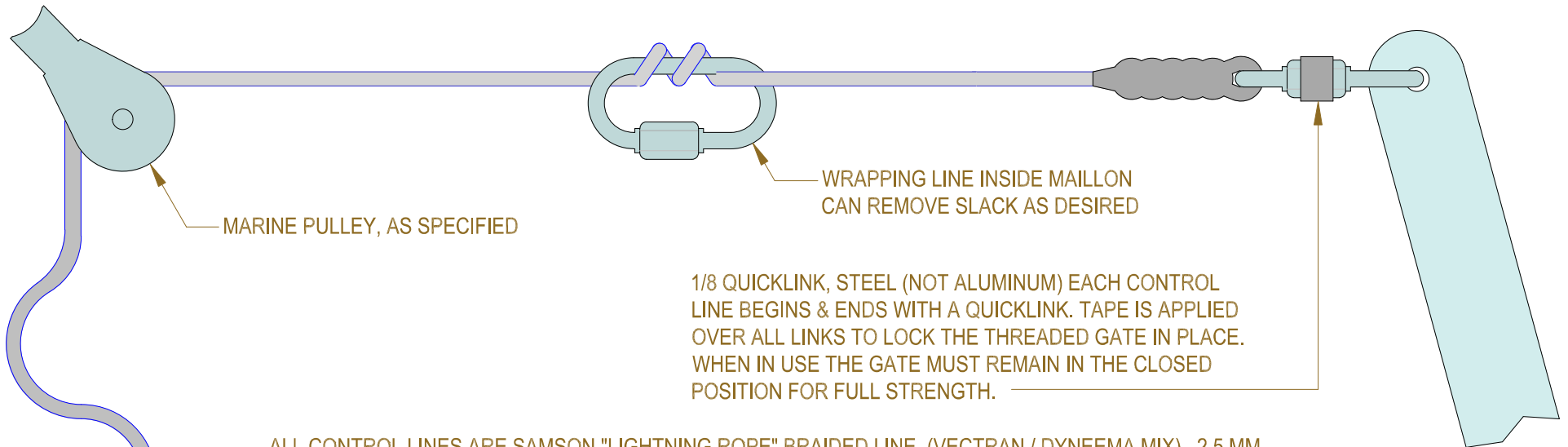


TYPICAL CONTROL LINE

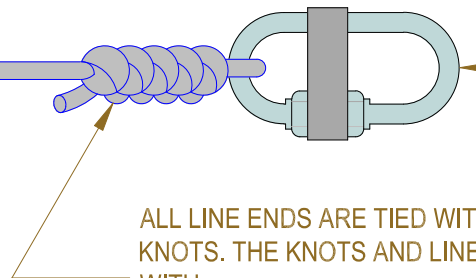


MARINE PULLEY, AS SPECIFIED

WRAPPING LINE INSIDE MAILLON
CAN REMOVE SLACK AS DESIRED

1/8 QUICKLINK, STEEL (NOT ALUMINUM) EACH CONTROL LINE BEGINS & ENDS WITH A QUICKLINK. TAPE IS APPLIED OVER ALL LINKS TO LOCK THE THREADED GATE IN PLACE. WHEN IN USE THE GATE MUST REMAIN IN THE CLOSED POSITION FOR FULL STRENGTH.

ALL CONTROL LINES ARE SAMSON "LIGHTNING ROPE" BRAIDED LINE, (VECTRAN / DYNEEMA MIX), 2.5 MM (7/64 INCH) NOMINAL DIAMETER. LINE MAY REQUIRE PERIODIC REPLACEMENT DUE TO DETERIORATION IN SUNLIGHT. CONTROL LINES SHOULD BE PERIODICALLY INSPECTED FOR WEAR AT ALL CONTACT POINTS, INCLUDING LINE GUIDES & PULLEYS. NO SHARP EDGE CONTACTS OR RUB POINTS ARE ALLOWED.



ALL QUICK LINKS (MAILLONS) USED ON THE BLOOP ARE 1/8 IN. NOMINAL SHANK DIAMETER UNLESS OTHERWISE SPECIFIED. ALL ARE STEEL (NOT ALUMINUM). ALL QUICKLINKS REQUIRE THAT THE THREADED, ROTATING GATE BE SECURED IN THE CLOSED POSITION, BY TAPE, CEMENT, OR BY LOCKING BEYOND FINGER STRENGTH USING PLIERS.

ALL LINE ENDS ARE TIED WITH A SERIES OF FIVE HALF HITCH KNOTS. THE KNOTS AND LINE END ARE THEN COVERED WITH TAPE, AND/OR GLUED IN PLACE WITH FLEXIBLE ADHESIVE (SEE EXAMPLE AT OTHER END OF LINE ABOVE). ALL LINES & CABLES MAY BE TENSIONED TO THE POINT OF ELIMINATING SLACK, BUT THERE IS NOT USUALLY MUCH TO BE GAINED BY TENSIONING BEYOND THAT. CONTROL LINE TENSION CAN BE ADJUSTED BY CHANGING THE LINE LENGTH (BY UNDOING & THEN RE TIEING THE END KNOTS).

B4A7

STANDARDS FOR CONTROL LINES

BLOOP 4
ULTRALIGHT
AIRPLANE

M. SANDLIN
AUGUST 23
2016