9/16" TRAWL WIRE

ELASTIC LIMIT = 24,375 lbs
YIELD STRENGTH = 32,500 lbs
WEIGHT IN WATER = 1.41 lbs/m

EXAMPLES USING KNORR 9/16" WIRE

(#1) 3000m WATER DEPTH

→ MAX WIRE OUT = (3000 × .3) + 3000 = 3900 to 4000m (30%)

→ WEIGHT OF WIRE = 4000 × 1.41 lbs/m = 5640 + 1000 = 6640 lbs

→ STRENGTH OF LINK = 24,375 − 6640 lbs = 17,735 lbs

★ ONE POSSIBLE SHEAR PIN COMBINATION = 8900 lbs (1/4" DOUBLE SHEAR) + 0.9 (5000 (1/4" BRASS DOUBLE SH.) + 2370 + 2370 (1/8" STAINLESS DOUBLE SHEAR)) = 17,666 lbs CLOSE ENOUGH

(#2) 4000m WATER DEPTH

→ MAX WIRE OUT = (4000 × .3) + 4000 = 5200m

→ WEIGHT OF WIRE = 5200 × 1.41 lbs/m = 7332 + 1000 = 8332 lbs

→ STRENGTH OF LINK = 24,375 lbs − 8332 lbs = 16,043 lbs