



## 2/1 HYDRO-BRAID® ROPE

### STRENGTH AND WEIGHT SPECIFICATIONS

HZ - HZS

			PRODUCT:		NYLON H-B		POLYESTER H-B		STABLE BRAID 2 IN 1	
			COVER:		NYLON		POLYESTER		POLYESTER	
			CORE:		NYLON		POLYESTER		POLYESTER	
					*TYPE 1		*TYPE 3		*TYPE 3	
DIAMETER in.	CIRC. in.	mm	BREAKING STRENGTH (LBS.)	APPROX. WGT. LBS./CFT.	BREAKING STRENGTH (LBS.)	APPROX. WGT. LBS./CFT.	BREAKING STRENGTH (LBS.)	APPROX. WGT. LBS./CFT.	AVG. BREAKING STRENGTH (LBS.)	APPROX. WEIGHT LBS./100 FT.
1/4	3/4	6	2,000	1.7	2,200	2.1	2,800	2.3		
5/16	1	7.5	3,200	2.6	3,500	3.1	4,200	3.3		
3/8	1 1/8	9	5,100	3.7	5,000	4.5	5,600	4.5		
7/16	1 1/4	10.5	6,600	5.0	6,800	6.1	7,700	6.1		
1/2	1 1/2	12	8,500	6.5	9,100	8.0	10,400	8.2		
9/16	1 3/4	14	10,800	9.0	12,000	10.6	13,300	11		
5/8	2	16	16,400	12.0	15,600	13.6	16,300	13.3		
3/4	2 1/4	18	20,200	15.0	20,000	17.5	20,400	17.2		
7/8	2 3/4	22	28,100	22.0	28,200	26.0	29,900	27.1		
1	3	24	33,000	26.0	34,000	32.0	39,200	34		
1 1/8	3 1/2	28	43,000	36.0	43,200	42.0	48,200	45.3		
1 1/4	3 3/4	30	51,600	41.0	51,000	50.0	57,300	53.9		
1 5/16	4	32	57,600	46.0	57,000	58.0	64,700	60.8		
1 3/8	4 1/4	34	66,200	52.0	-	-	-	-		
1 1/2	4 1/2	36	74,000	60.0	68,000	70.0	75,100	73.3		
1 5/8	5	40	91,000	73.0	84,400	86.0	87,200	85.9		
1 3/4	5 1/2	44	109,000	88.0	101,000	106.0	-	-		
2	6	48	129,000	105.0	118,000	124.0	124,000	124		
2 1/8	6 1/2	52	149,000	122.0	138,000	146.0	-	-		
2 1/4	7	56	171,000	142.0	158,000	169.0	166,000	172		
2 1/2	7 1/2	60	195,000	163.0	161,000	195.0	-	-		

**NOTE:** All "approx. Wgt. Cft." Figures listed are average and maximum weights are 5%. The strength figures shown apply to new rope.

**WARNING:**

- The improper use of braided rope may be dangerous
- Use proper size and construction
- Only use rope in good condition
- Do not overload or shock load
- The working load of a rope ranges from 11% to 20% of new rope

- Avoid abrasion and sharp edges
- Breaking Strengths are approximate average based on new rope
- To calculate minimum Tensile Strength deduct 15% .
- Weight variation plus or minus 5%.

\*Coating adds approximately 5% to weight listed.



Winch lines with splices can be custom made to your specifications.

## CUSTOM MADE WINCH LINES PROTECTIVE COATINGS

A highly abrasion resistant polyurethane coating can be added to any eye splice.

## WINCH LINE CARE AND MAINTENANCE

Sheaves, rollers and drums should be free of rust, dirt, nicks and gouges where abrasion is possible. Inspect line before use for cuts, burns, unusual stiffness, abrasion and frayed ends. Change working ends periodically. Use sheaves at least six times the diameter of the line. Make smooth, even wraps when putting line on drums. Do not subject line to shock load or overload. Splices should be carefully made in accordance with published instructions.

## SPLICES

All eye splices are stitched in place. Any eye size is available. Please specify when ordering which eye size is required. Thimble splices are also available for any size rope.