HYDRAULIC WINCH -BRADEN PD 15B-

FEATURES :

- Max SWL 6.8 ton
- Skid mounted for transport and fastening
- GW 500 kg
- Skid dimensions : 900 mm x 600 mm, height 1080 mm

- Multi-disc Brake - Spring applied and hydraulically released
- Anti-friction bearings for maximum efficiency
- Multi-stage planetary reduction

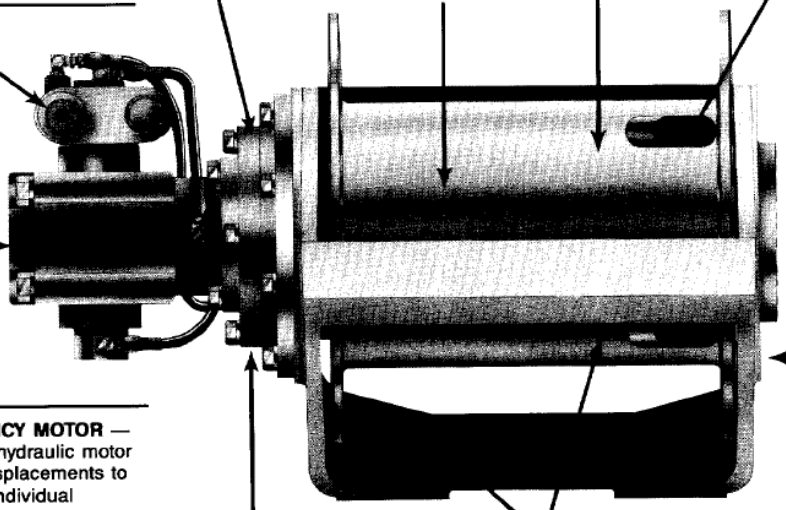
MULTI-DISC BRAKE — Spring applied, hydraulically released brake will hold even if engine dies or hydraulic line breaks.

PLANETARY GEARING — Highly efficient computer-aided designed gear sets with optional ratios to optimize performance for individual applications.

FULL LOAD ANCHOR — for additional safety. One anchor wedge fits 7/16 — 1/2 — 9/16 — 5/8 wire rope, optional wedge for 1 and 1⅛" poly rope.*

PATENTED BRAKE VALVE — BRADEN Brake Valve known for precise lowering control.

ANTI-FRICTION BEARINGS — Used throughout the winch for maximum efficiency.



HIGH EFFICIENCY MOTOR — High efficiency hydraulic motor with optional displacements to tailor winch to individual hydraulic systems.

EXTRA BRAKE CAPACITY — Brake retains minimum 3:1 safety factor even with system back-pressure of 150 PSI.

CAST DRUM AND BASE — Rigid one piece cast high strength ductile iron drum and base.

EASY SERVICE — Fill, level, and drain plugs in convenient locations.

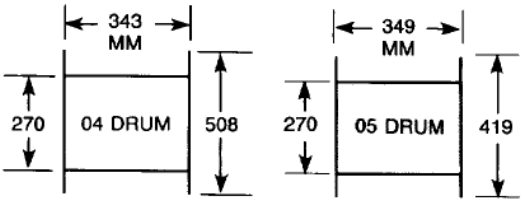
ACCUMULATIVE ROPE CAPACITY

(METERS)

LAYER

— METRIC —

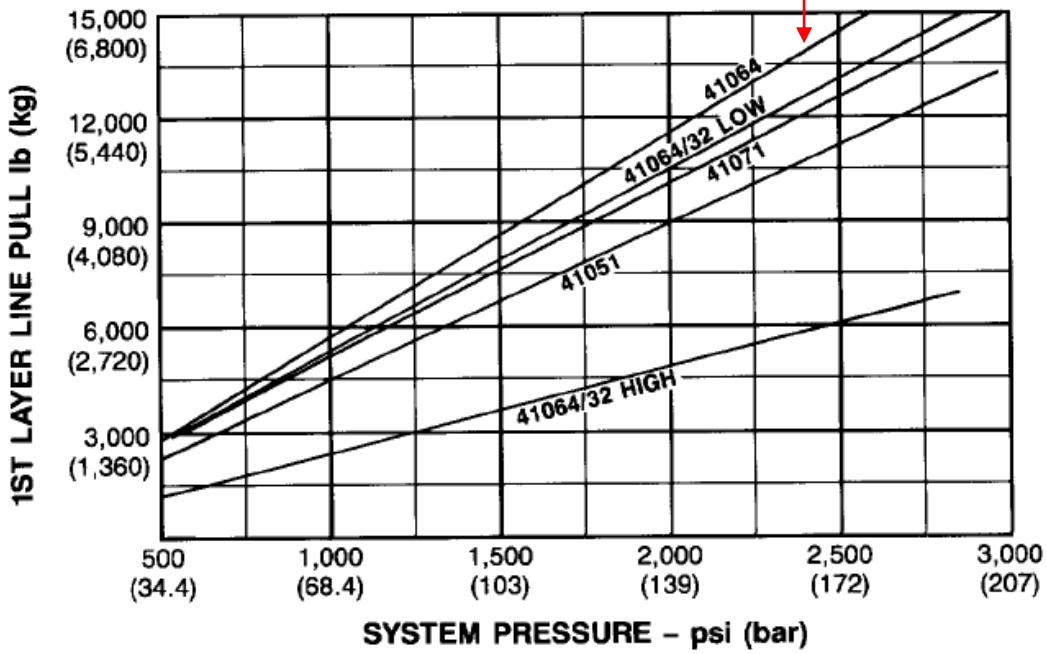
ROPE SIZE (MM)	1	2	3	4	5	6	7	8	9	10	11
10*	30	62	96	132	170	210	253	298	345	394	445
	30	62	97	134	173	214	257				
11	27	56	87	120	156	194	234	276	320	366	
	28	58	90	124	160	198					
13	23	48	75	104	136	170	206	244	284		
	23	49	77	107	139						
14	21	44	70	98	128	160	194	230			
	22	46	72	100	131						
16	19	40	63	88	115	145	177				
	19	40	63	89							
19*	16	34	54	76	100	127					
	16	34	55								
22†	14	30	48	68	90						
	14	30	48								
25†	12	26	43	62							
	12	27									
29†	11	24	39	56							
	11	24									



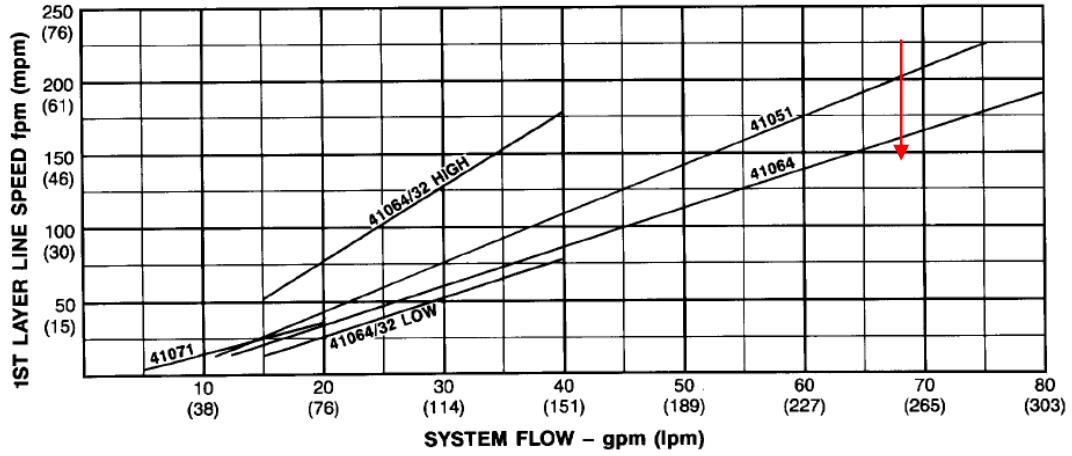
*REQUIRES SPECIAL WIRE ROPE ANCHOR.
PART NO. 24494 FOR ⅜ WIRE ROPE.
PART NO. 24492 FOR ¾ WIRE ROPE.

†RECOMMENDED FOR POLY ROPE ONLY.
USE POLY ROPE ANCHOR P/N 24413.

LINE PULL VS PRESSURE



LINE SPEED VS FLOW



MINIMUM GPM RECOMMENDATION FOR SMOOTH OPERATION

MOTOR 051 . . . . . 11 gpm (42 l/min)	MOTOR 064/32 . . . . . 15 gpm (57 l/min)
MOTOR 064 . . . . . 12 gpm (45 l/min)	MOTOR 071 . . . . . 5 gpm (19 l/min)

(RECOMMENDED MINIMUM SYSTEM FLOW SHOULD BE **2 TIMES THESE VALUES**

— METRIC —

41:1 RATIO

ROPE SIZE (MM)	LAYER	051 MOTOR 83.6 CU CM DISP. 207 bar @ 284 lpm		064 MOTOR 105 CU CM DISP. 179 bar @ 303 lpm		071 MOTOR 105 CU CM DISP. 207 bar @ 76 lpm	064/32 2 SPEED MOTOR 105/52 CU CM DISP. 200 bar @ 151 lpm		04 DRUM ROPE CAPACITY (M)	05 DRUM ROPE CAPACITY (M)
		LINE PULL (KG)	LINE SPEED (MPM)	LINE PULL (KG)	LINE SPEED (MPM)	LINE SPEED (MPM)	LINE PULL (KG)	LINE SPEED (MPM)		
13	1	6,080	68	6,800	58	12	6,800/3,180	24/55	24	24
	2	5,580	74	6,260	63	13	6,260/2,900	26/59	50	51
	3	5,170	80	5,760	69	14	5,760/2,680	28/64	78	80
	4	4,810	87	9,350	74	15	9,350/2,500	30/69	108	110
	5	4,470	93	4,990	79	16	4,990/2,340	33/74	140	143*
	6	4,200	99	4,720	84	17	4,720/2,190	35/79	175	
	7	3,950	105	4,420	90	18	4,420/2,060	37/84	212	
	8	3,730	111	4,180	95	19	4,180/1,950	39/89	251	
	9	3,540	117	3,960	100	20	3,960/1,850	41/94	292*	
16	1	6,080	69	6,800	59	12	6,800/3,180	24/55	19	20
	2	5,490	77	6,120	66	13	6,120/2,860	27/61	41	41
	3	4,990	84	5,580	72	15	5,580/2,600	30/67	64	65
	4	4,580	92	5,130	79	16	5,130/2,380	32/73	90	91*
	5	4,210	99	4,720	85	17	4,720/2,200	35/80	117	
	6	3,910	107	4,370	92	19	4,370/2,040	38/86	147	
	7	3,650	115	4,080	98	20	4,080/1,910	41/92	180*	

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