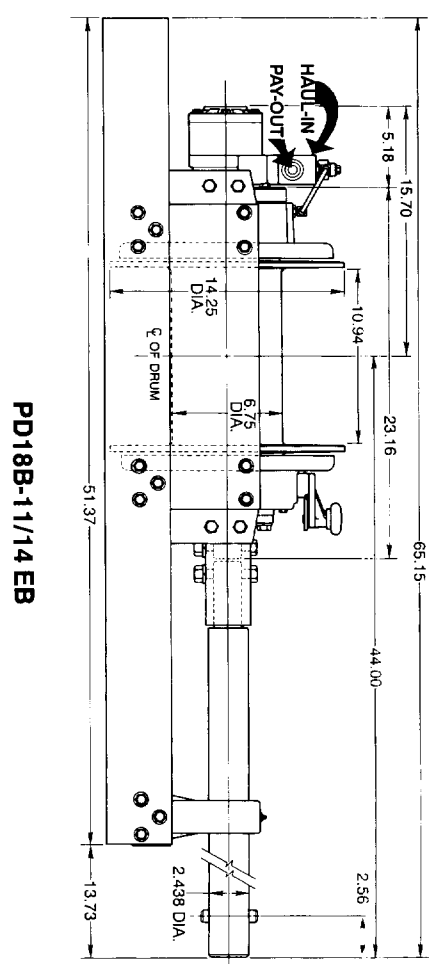
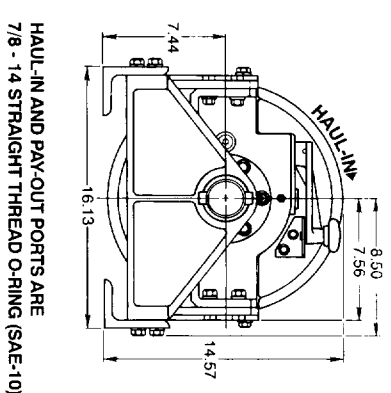
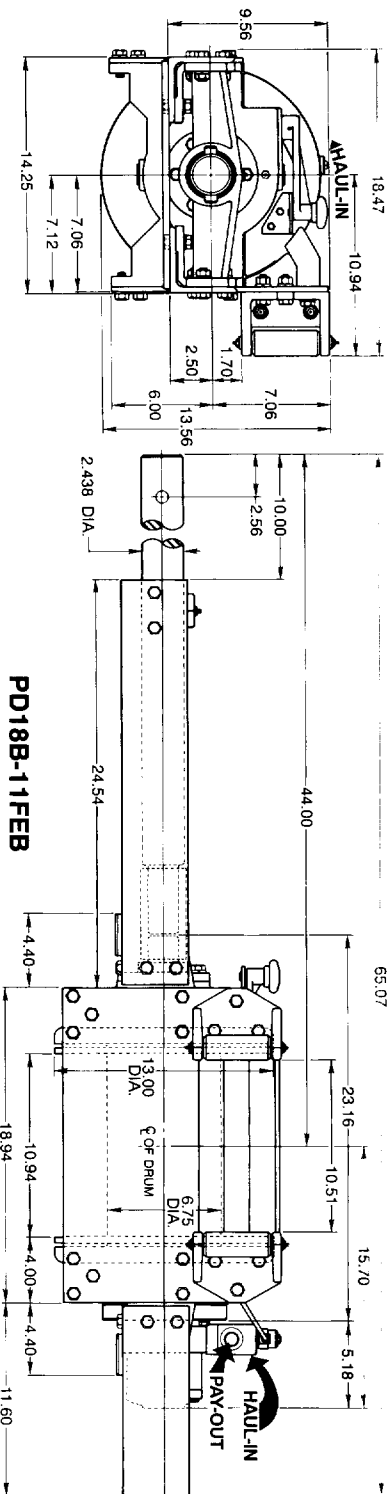


BRADEN PD18B DIMENSIONAL INFORMATION

ALL DIMENSIONS SHOWN IN INCHES

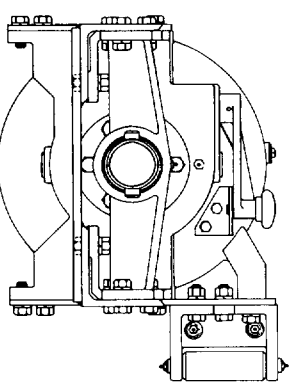


MODEL DATA

FRONT MOUNT UNITS — 11" DRUM WIDTH, 13" FLANGE DIAMETER
(Extension Shaft To Curbside Only)

PD18B-11FEB

End mounted base angles
Extension shaft and outboard bearing leg
Four-way roller fairlead assembly
Approximate weight 450 pounds



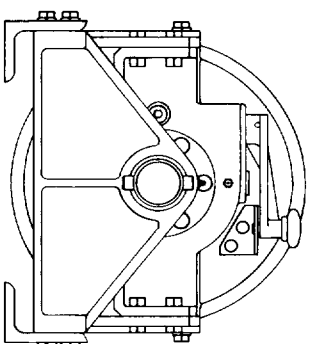
PD18B-11F

Same as PD18B-11FEB, LESS extension shaft and bearing leg
Base angles 42.14" long
Approximate weight 375 pounds

REAR MOUNT UNITS — 11" DRUM WIDTH, 14 1/4" FLANGE DIAMETER
(Extension Shaft To Curbside Only)

PD18B-11/14 EB

Base angles mounted on bottom of winch
Extension shaft and outboard bearing leg
Approximate weight 475 pounds



PD18B-11/14

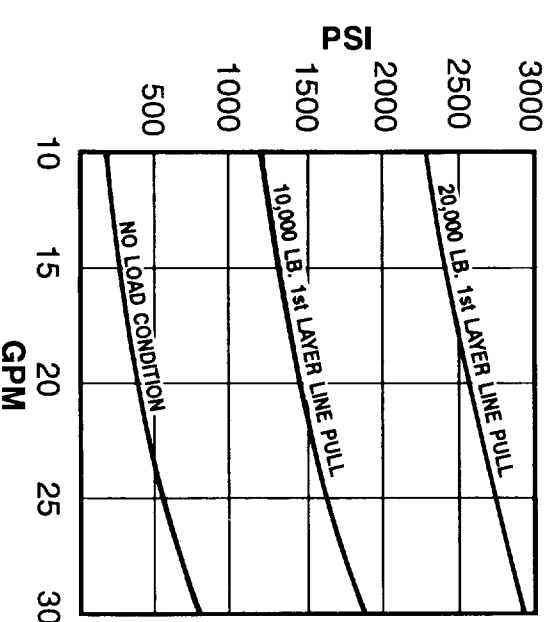
Same as PD18B-11/14 EB, LESS extension shaft and bearing leg
Base angles 42.0" long
Approximate weight 395 pounds

PERFORMANCE DATA

DYNAMIC PERFORMANCE* (2,500 psi and 30 gpm) Refer to Dynamic Pressure vs. System Flow Graph.

WIRE ROPE SIZE (IN)	LAYER	PD18B-11FEB & PD18B-11F			PD18B-11/14EB & PD18B-11/14		
		LINE PULL (LBS)	LINESPEED (FPM)	CABLE CAPACITY (FT)	LINE PULL (LBS)	LINESPEED (FPM)	CABLE CAPACITY (FT)
5/8	1	20,000	48	30	20,000	48	30
	2	17,100	56	65	17,100	56	65
	3	14,940	64	105	14,940	64	105
	4	13,260	72	150	13,260	72	150
	5	11,920†	80	201	11,920	80	201
	6	--	--	--	10,830†	88	257
9/16	1	20,000	47	33	20,000	47	33
	2	17,330	55	71	17,330	55	71
	3	15,290	62	114	15,290	62	114
	4	13,680	69	162	13,680	69	162
	5	12,380†	77	216	12,380	77	216
	6	--	--	--	11,300†	84	275
1/2	1	20,000	47	37	20,000	47	37
	2	17,580	53	79	17,580	53	79
	3	15,680	60	126	15,680	60	126
	4	14,150	66	178	14,150	66	178
	5	12,890	73	236	12,890	73	236
	6	11,840†	79	299	11,840	79	299
	7	--	--	--	10,940†	86	366

DYNAMIC PRESSURE REQUIREMENT (PSI) vs SYSTEM FLOW (GPM)



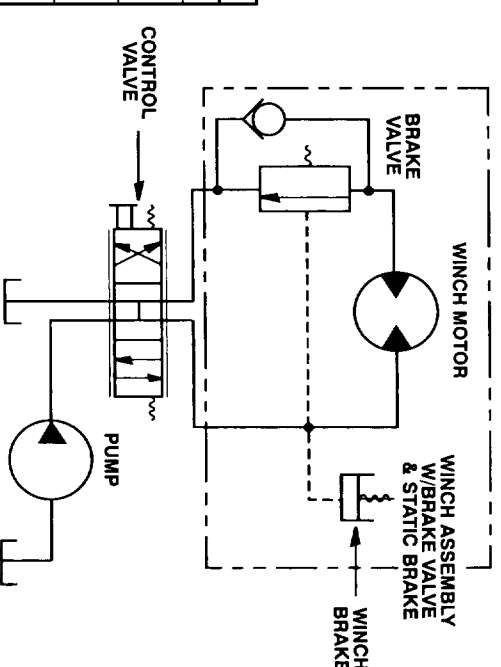
DRUM DIMENSIONS (inches)		
DRUM DIAMETER	PD18B-11FEB & 11F	PD18B-11/14 EB & 11/14
FLANGE DIAMETER BETWEEN FLANGES	6.75	6.75
	13	14.25
	10.94	10.94

EXTENSION SHAFT PERFORMANCE

EXTENSION SHAFT SPEED AT 30 GPM AND FULL LOAD	102 RPM
MAXIMUM EXTENSION SHAFT LOAD WITH 7 inch CAPSTAN	3,000 lb
MAXIMUM EXTENSION SHAFT LOAD WITH 24 inch C.R. REEL	1,000 lb

NOTE: Extension shaft speed is 4.1 times drum speed.

HYDRAULIC CIRCUIT

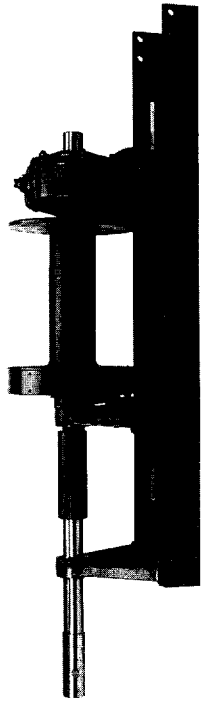


* 15,000 lb maximum hoisting capacity (ability to restart under load).

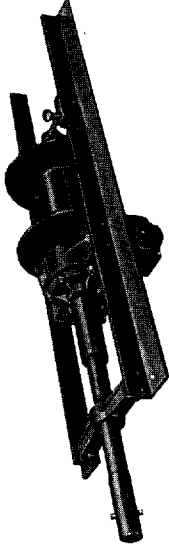
The rated line pulls shown are for the winch only. Consult the wire rope manufacturer for wire rope ratings.

† This layer does not comply with SAE J706 JUS5.

ADDITIONAL BRADEN PRODUCTS FOR THE UTILITIES



**MODEL AHS7-15BEB
(DIRECT MOUNT HYDRAULIC MOTOR)**



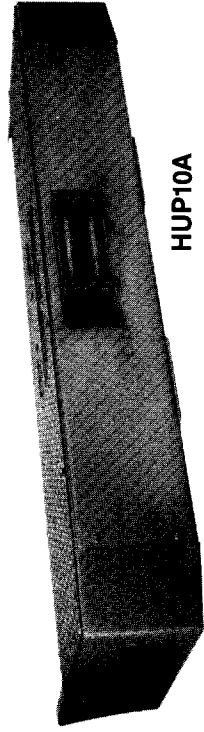
**MODEL AMGU5-12FEB
(MECHANICAL DRIVE)**

EXTENDED SHAFT WORM GEAR WINCHES



MODEL HUP10A-10FEB

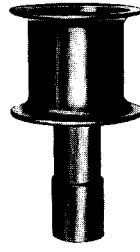
**EXTENDED SHAFT HYDRAULIC
PLANETARY LOW MOUNT WINCHES**



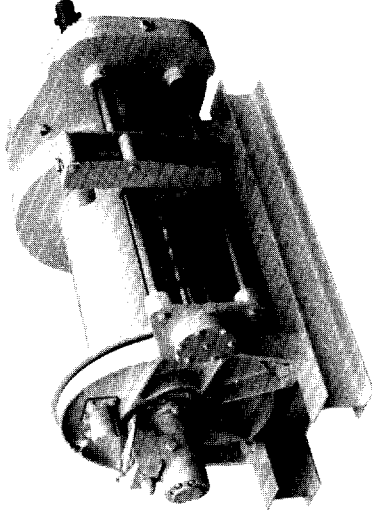
HUP10A

BUMPER KITS

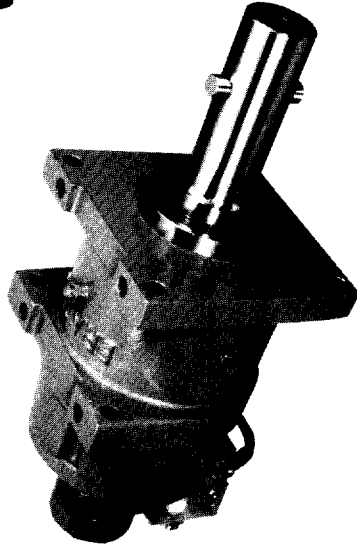
HYDRAULIC PLANETARY CAPSTAN DRIVES AND SPECIAL PURPOSE WINCHES



CAPSTAN



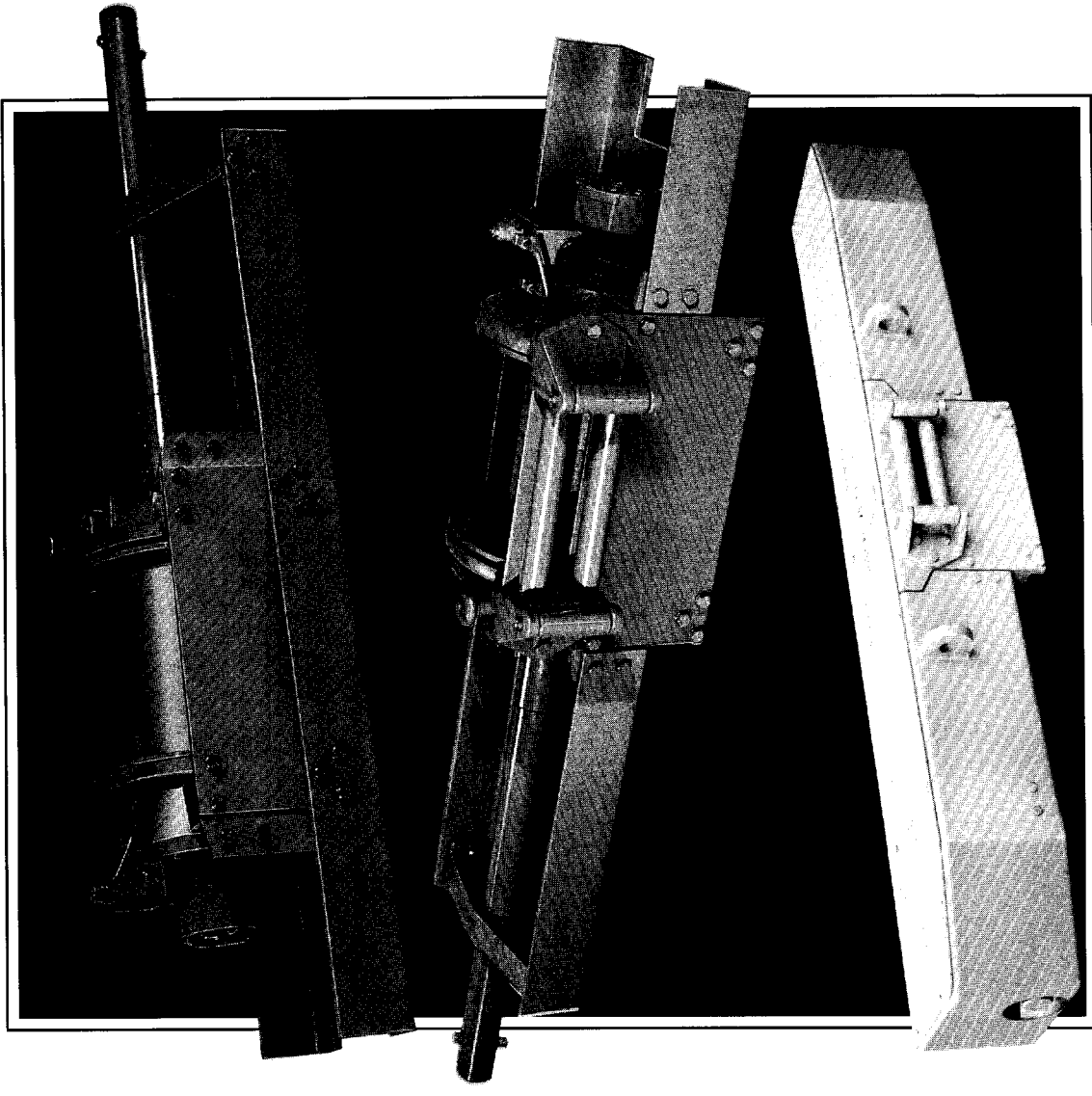
**MODEL BP200
(UNDERGROUND PULLING WINCH)**



MODEL PCD24B

BRADEN MODEL PD18B

20,000 LB.* LOW MOUNT OR UPRIGHT HYDRAULIC PLANETARY WINCH



- Rated in compliance with SAE J706 JUL85 for first layer line pull to 20,000 lbs.
- Improved drum clutch design. Easier operation with positive indication of clutch position.
- Extension shaft speed is more than 4 times drum speed.
- More compact design, will mount between frame rails and reduces installation time.
- Increased efficiency and longer service life.
- Bumper assembly fully tested to insure proper winch support at rated load.

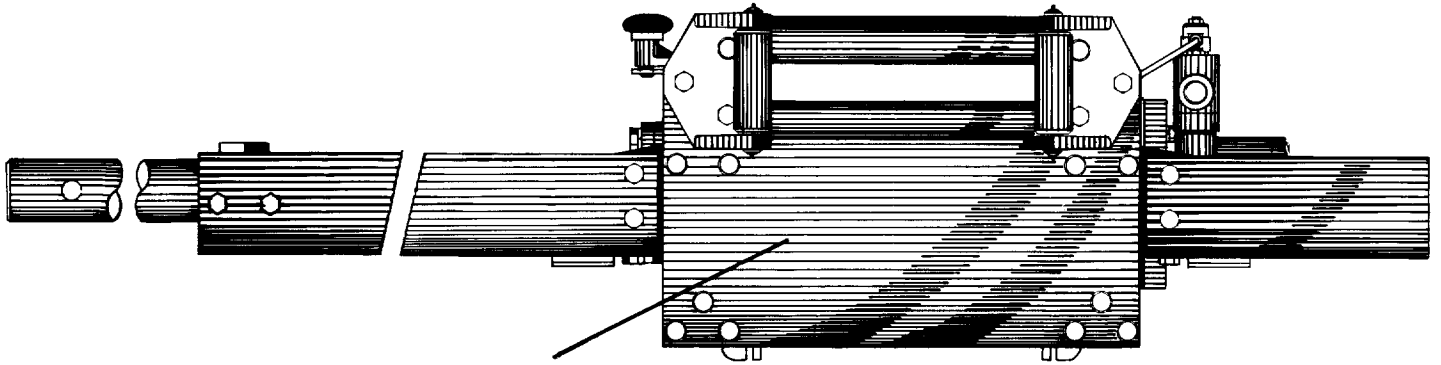
BRADEN MODEL PD18B

THE INDUSTRY STANDARD HAS BEEN IMPROVED

Anti-friction bearings are used under all planet gears to increase winch efficiency, resulting in a longer service life.

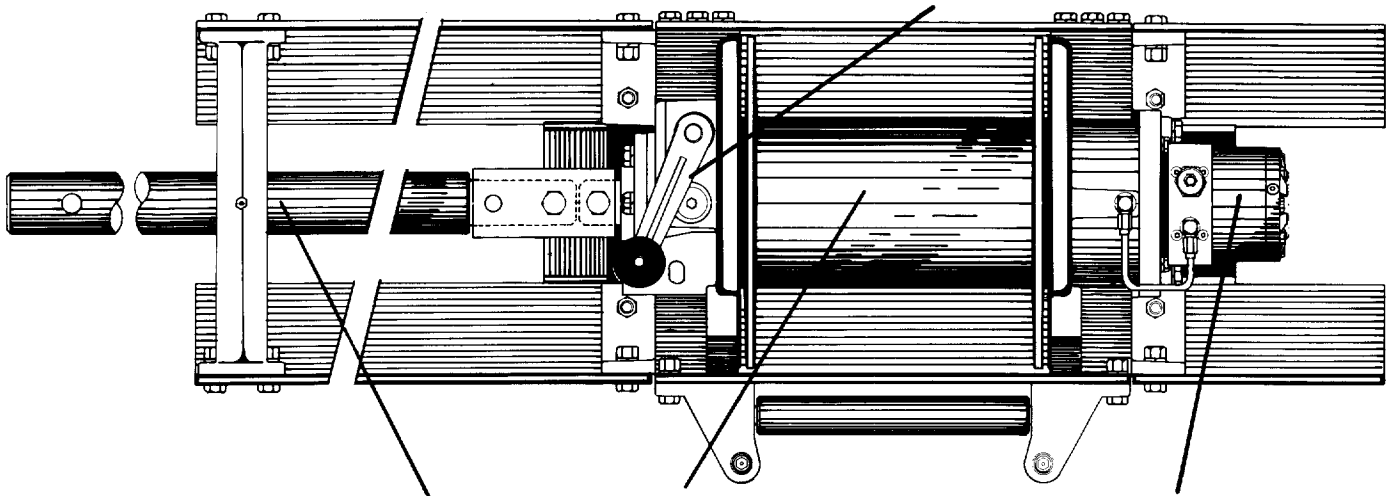
Proven Performance —

The PD18B has been tested in compliance with SAE J706 JUL85 for first layer line pulls to 20,000 pounds.



A more compact design allows the winch to be mounted between the frame rails, reducing installation time.

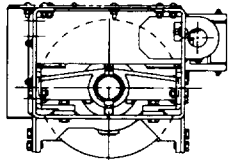
The drum clutch has been completely redesigned. It is now easier to operate and provides a positive visual indication of the clutch position.



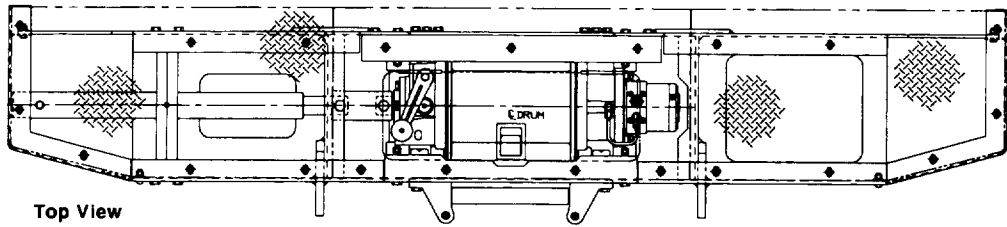
Winch drum and extension shaft speeds have been increased to improve productivity. Extension shaft speed is more than 4 times drum speed.

High efficiency, low speed, high torque hydraulic motor.

PD18B IN HEAVY DUTY BRADEN UNIVERSAL BUMPER

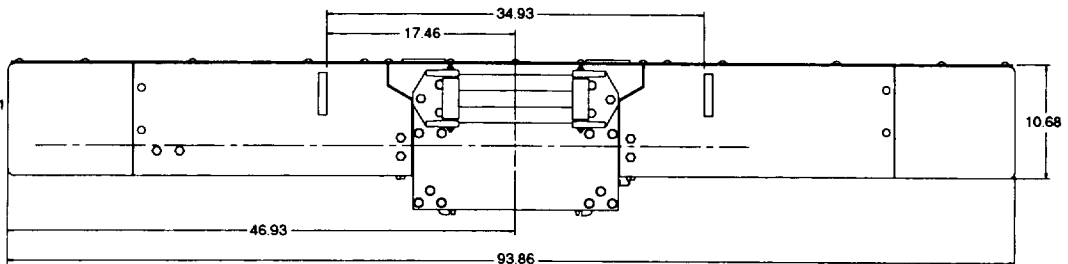
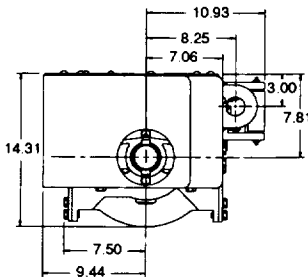
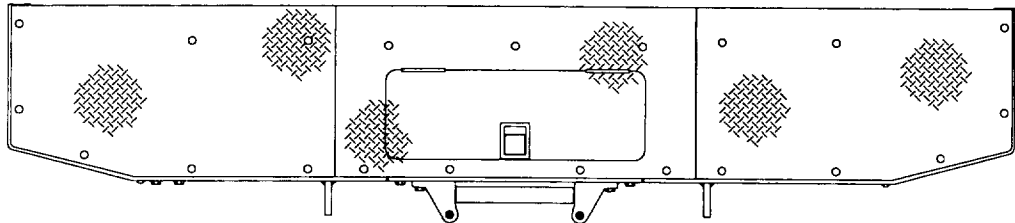


Side View



Top View

**Total Unit Weight:
725 LBS**



- Bumper assembly includes winch, bumper, 4-way roller assembly and mounting brackets.
- Significantly reduces winch installation time and cost.
- Winch easily removed from bumper assembly for service.
- Compact design allows the use of tilt cabs, minimizes front overhang and reduces front-end weight.

BUMPER RATINGS

Line pulls for winch, bumper and roller assembly - straight to 45° either side 20,000 lbs
 Capstan shaft rating with 7 in. diameter capstan 3,000 lbs

⚠ WARNING Downward pulls by winch or capstan require additional support by a stiff leg (customer supplied) to prevent damage to truck suspension and/or bumper. Above bumper ratings are for the bumper and mounting angles ONLY and are not necessarily representative of the vehicle frame strength, for which Braden assumes no liability. See bumper mounting instructions for details.

⚠ WARNING VISUALLY CHECK THAT THE CLUTCH IS FULLY ENGAGED BEFORE OPERATING THE WINCH DRUM UNDER LOAD!

THESE WINCHES ARE NOT DESIGNED FOR USE IN THE LIFTING OR MOVING OF PERSONS!
 The winches described herein are neither designed nor intended for use or application to equipment used in the lifting or moving of persons.

THE CABLE CLAMPS ALONE ON WINCHES ARE NOT DESIGNED TO HOLD RATED LOADS!
 A minimum of 5 wraps of cable must be left on the drum barrel to achieve rated load.

SAE SPECIFICATIONS	
Duty Cycle at 10,000 lbs and 48 fpm	continuous
Starting Input Torque	3,565 lb-in.
Running Input Torque	3,117 lb-in.
Rated Input Speed	620 rpm (motor limited)
Overall Reduction Ratio	24.92:1

Recommended Oil
Texaco Meropa
150 or equivalent
Oil Capacity
3½ Pints