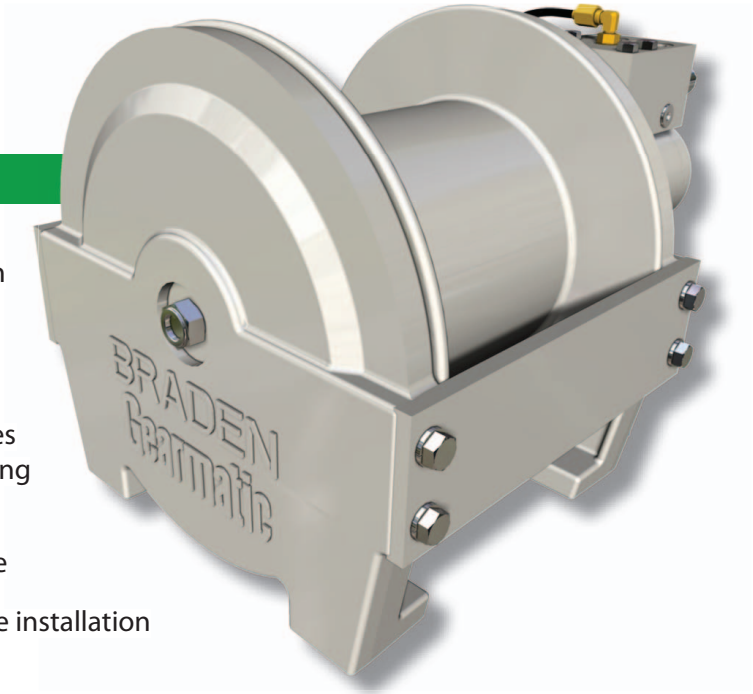
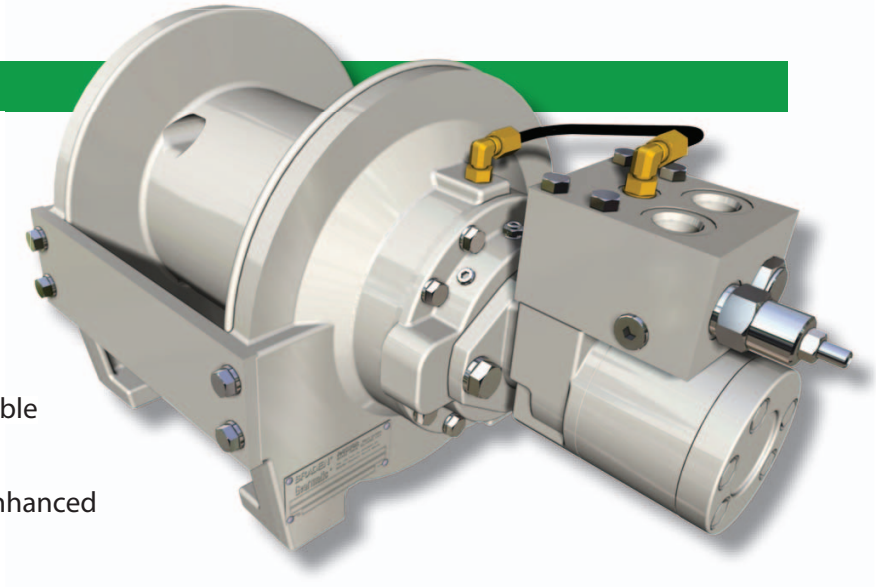
BG4B PLANETARY HOIST
4,000 lb (1,818 kg)

The BRADEN BG4B delivers superior performance in a variety of hoisting applications—from marine installations to service truck and knuckle-boom cranes. The compact and sturdy design provides exceptional power and durability. Low maintenance costs and ease of service make the BRADEN BG4B a smart choice for any job.



Features/Benefits

- Sealed, high-efficiency planetary reduction gearing provides continuous-duty performance
- Counterbalance valve for dynamic braking paired with a multi-disc static brake enables smooth operation and fail-safe load handling
- High-efficiency anti-friction bearings used throughout hoist to ensure long service life
- Cable wedge anchor system facilitates rope installation and removal
- Cast ductile iron base and heavy-duty construction ensure secure mounting and unparalleled reliability in tough applications



Options

- Choose from three gear motors for optimum performance
- High-line pull option for up to 5,000 lb (2,275 kg) in select applications**
- Underwind configuration available for clockwise hoisting
- Tension roller kit available for enhanced productivity

** Requires Braden Engineering application approval

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BRADEN®

Performance

BG4B-05080-01

MOTOR	080 (8.0 cu in.)
PRESSURE	2,520 psi
FLOW	15 gpm
WIRE ROPE DIA	3/8 in.

LAYER	LINE PULL (lb)	LINE SPEED (fpm)
1	3,000	145
2	2,710	160
3	2,480	176
4	2,280	191
5*	2,110	206

* Layer does not meet ANSI B30.7

MOTOR	080 (131 cc)
PRESSURE	174 bar
FLOW	57 lpm
WIRE ROPE DIA	10 mm

LAYER	LINE PULL (kg)	LINE SPEED (mpm)
1	1,360	44
2	1,225	49
3	1,125	54
4	1,034	58
5*	960	63

* Layer does not meet ANSI B30.7

BG4B-05119-01

MOTOR	119 (11.9 cu in.)
PRESSURE	2,260 psi
FLOW	20 gpm
WIRE ROPE DIA	3/8 in.

LAYER	LINE PULL (lb)	LINE SPEED (fpm)
1	4,000	133
2	3,620	148
3	3,300	162
4	3,040	176
5*	2,810	190

* Layer does not meet ANSI B30.7

MOTOR	119 (195 cc)
PRESSURE	156 bar
FLOW	76 lpm
WIRE ROPE DIA	10 mm

LAYER	LINE PULL (kg)	LINE SPEED (mpm)
1	1,815	41
2	1,640	45
3	1,495	49
4	1,380	54
5*	1,275	58

* Layer does not meet ANSI B30.7

BG4B-05139-01H**

** Requires Braden Engineering application approval

MOTOR	139 (13.9 cu in.)
PRESSURE	2,420 psi
FLOW	20 gpm
WIRE ROPE DIA	3/8 in.

LAYER	LINE PULL (lb)	LINE SPEED (fpm)
1	5,000	114
2	4,520	126
3	4,130	138
4	3,800	150
5*	3,520	162

* Layer does not meet ANSI B30.7

MOTOR	139 (228 cc)
PRESSURE	167 bar
FLOW	76 lpm
WIRE ROPE DIA	10 mm

LAYER	LINE PULL (kg)	LINE SPEED (mpm)
1	2,275	35
2	2,055	38
3	1,880	42
4	1,730	46
5*	1,600	49

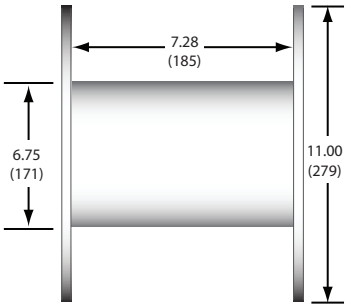
* Layer does not meet ANSI B30.7

BG4B PLANETARY HOIST
4,000 lb (1,818 kg)

Drum Capacity

–01 DRUM

DIMENSIONS IN INCHES (MM)



D/d RATIO IS BASED ON PITCH DIAMETER OF WIRE ROPE AT FIRST LAYER

WIRE ROPE STORAGE, ft

WIRE ROPE DIA	LAYER	1	2	3	4	5	6	7	8	D/d
	1/4 in.	53	110	171	236	305	377	453*	533*	28:1
	3/8 in.	36	76	120	168	219*	–	–	–	19:1
	7/16 in.	31	66	105	148	–	–	–	–	16:1

* Layer does not meet ANSI B30.7

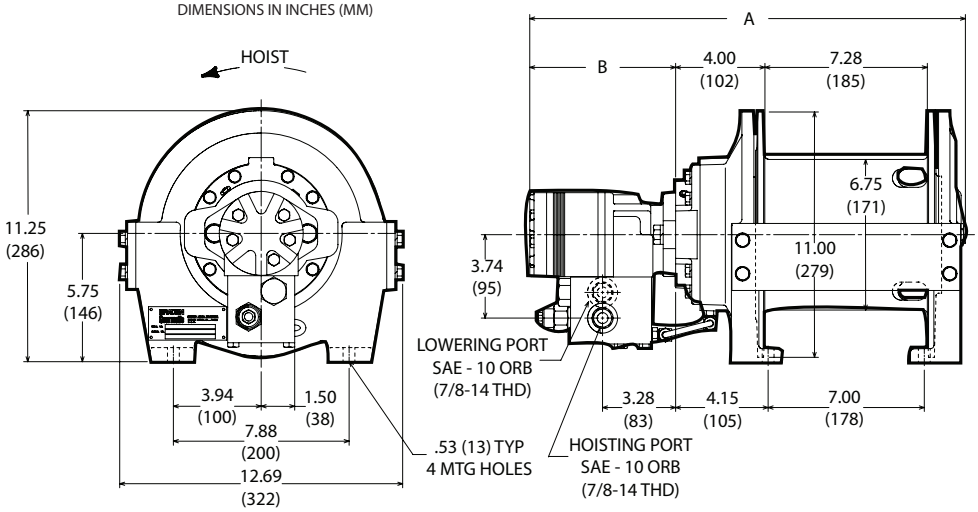
WIRE ROPE STORAGE, m

WIRE ROPE DIA	LAYER	1	2	3	4	5	6	7	8	D/d
	6 mm	16	34	52	72	93	115	138*	162*	28:1
	10 mm	11	23	37	51	67*	–	–	–	19:1
	11 mm	9	20	32	45	–	–	–	–	16:1

* Layer does not meet ANSI B30.7

Dimensions

DIMENSIONS IN INCHES (MM)



MOTOR (cu in.)	A in.	B in.
8.0	19.03	6.04
11.9	19.53	6.54
13.9	20.13	7.14

MOTOR (cc)	A mm	B mm
131	483	153
195	496	166
228	511	181

BRADEN®

P.O. BOX 547 BROKEN ARROW OK U.S.A. 74013
TEL (918) 251-8511/FAX (918) 251-8511

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