

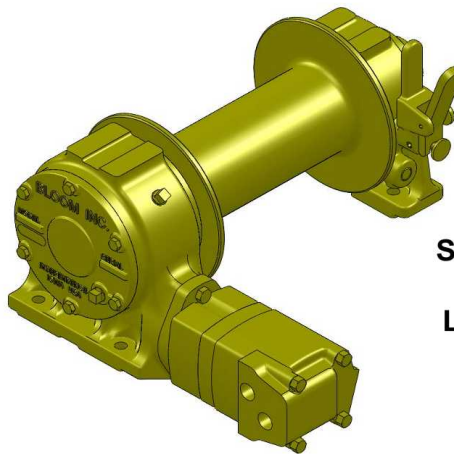
BLOOM™ WINCH



Series 1000C

HYDRAULIC CABLE WINCHES

The rugged construction and versatility of **Series 1000C** makes it adaptable to a wide range of applications. **Series 1000C** winches are equipped with a sliding clutch to allow free-spooling of the drum for industrial pulling and dragging applications including rear of cab and front mounting on ½ to 1½ ton trucks, flat bed trailers, factory material handling, mining and logging operations, air freight pullers, off the road tractors, aboard ships and boats. **Series 1000C** may be ordered galvanized.



*"Quality Since
1910"*

**Series 1000C Base
Mount shown
Low Profile Mount
Available**

**UP TO 12,000 POUNDS
CAPACITY**

Bloom™ Hydraulic Cable Winches – Standard Features

GEAR CASE

- Made of high strength cast iron. Completely sealed for oil enclosed operation and to keep dirt out.

WORM SHAFT

- One piece alloy steel hardened and ground for extra durability. Compact design allows hydraulic motor to be coupled directly to worm.

WORM GEAR

- High tensile aluminum-nickel alloy bronze. Optimum lead and pressure angles transmit maximum power to the drum.

GEAR RATIO

- 20:1 standard, 10:1, 27:1, 40:1 optional ratios provide optimum efficiency in power and speed.

BEARINGS

- Worm gear and worm shaft run on tapered roller bearings. Outer end housing has sealed ball bearing.

DRUM SHAFT

- 1-1/2" diameter heat -treated alloy steel minimum tensile strength 150,000 psi.

CABLE DRUM

- Tough all steel construction resists breakage or warping.

CLUTCH

- Series 1000C winch comes equipped with heat-treated dog type clutch to provide free-spooling of the winch drum. Positive lock-in and lock-out.

CAUTION:

This winch model does not include any kind of holding brake. If your application requires a holding brake choose series 1000KC or 1000HC winches with automatic hydraulic safety brakes.



www.bloommfg.com

BLOOM

Manufacturing Inc.

Winch Division

"Custom Engineered Solutions"

**Lifting
Pulling
Hoisting**

Toll Free Number: 1-800-394-1139

1443 220th Street,, Independence, Iowa 50644 • FAX: 319-827-1140 • PHONE: 319-827-1139

BLOOM™ WINCH



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Series 1000C Model Selection from Performance Data

MODEL EXAMPLE: 10-E-L8-C-20-LP

Gear Case and
Shaft Designation _____
10 = Series 1000C with 1-1/2" Drum Shaft

Hydraulic Motor Designation _____
A, B, C, DD, E, G, 4.9, 6.2, 8.0, 9.6, 11.9
IS Input Shaft

Drum Sizes _____
S8, L8, XL10, XL12, XL14

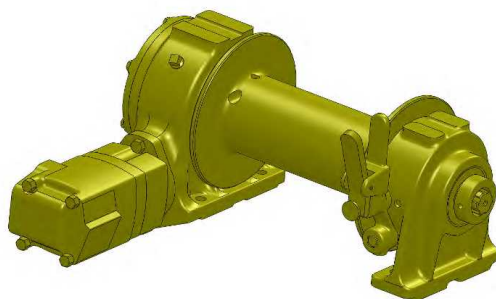
Low Profile Mounting
(specify with or without
mounting angles)

Gear Ratio
10:1, 20:1, 27:1, 40:1

Clutch
Designation
(Do not use clutch model for lifting
Applications.)

DRUM CAPACITY

CABLE DIAMETER (IN.)	1/4	5/16	3/8	7/16	1/2
DRUM "S8" CAPACITY (FT.)	260	160	105	75	55
DRUM "L8" CAPACITY (FT.)	390	240	160	110	80
DRUM "XL10" CAPACITY (FT.)	840	550	340	250	170
DRUM "XL12" CAPACITY (FT.)	1320	840	580	380	280
DRUM "XL14" CAPACITY (FT.)	1900	1180	760	540	410

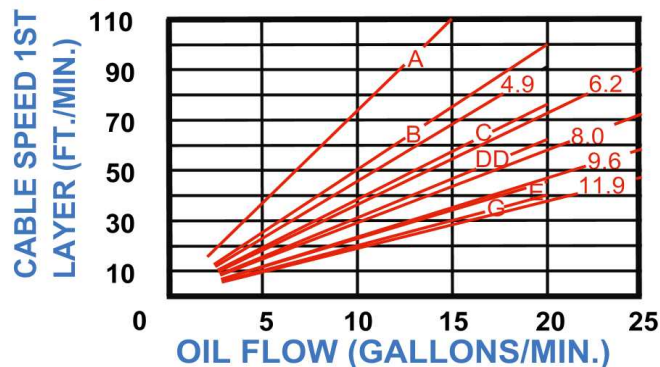
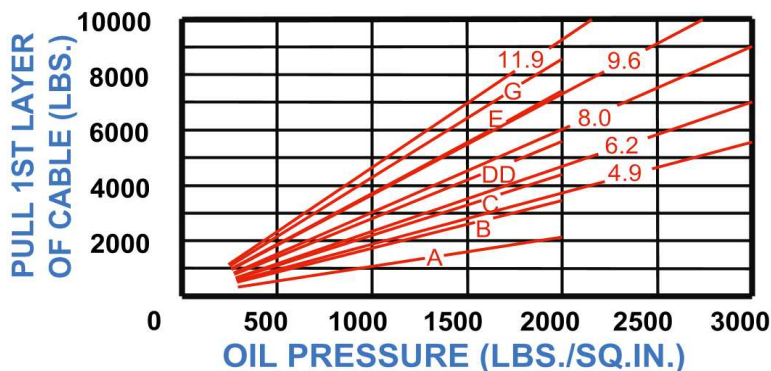


Series 1000C

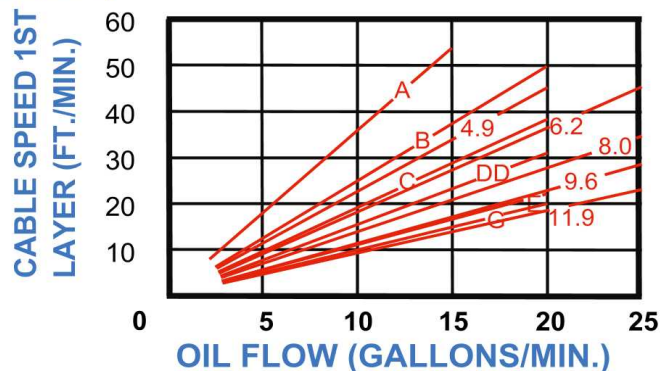
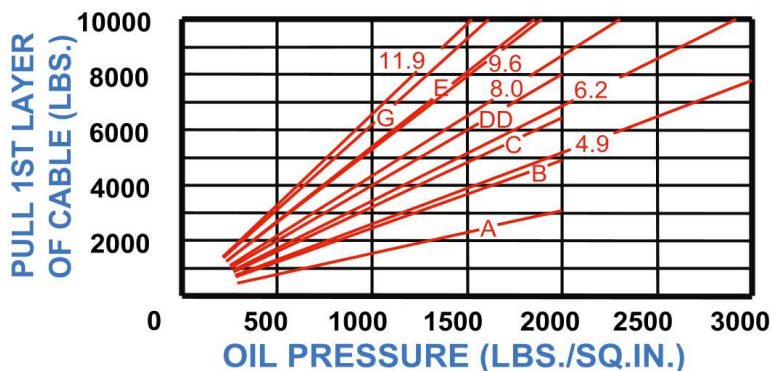
Model Selection from Performance Data

"Quality Since 1910"

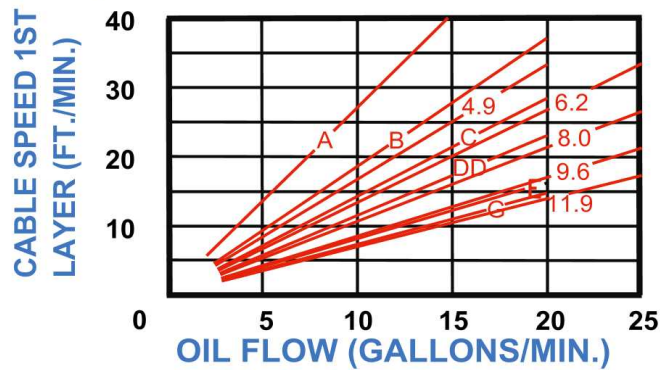
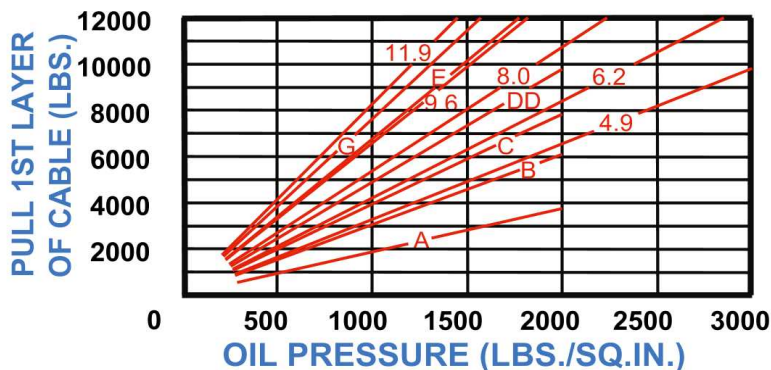
10:1 RATIO (optional)



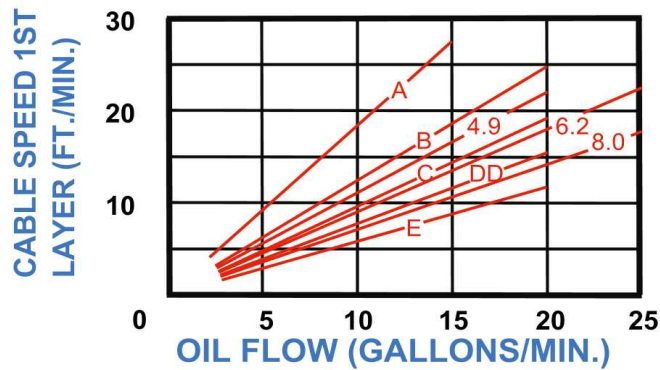
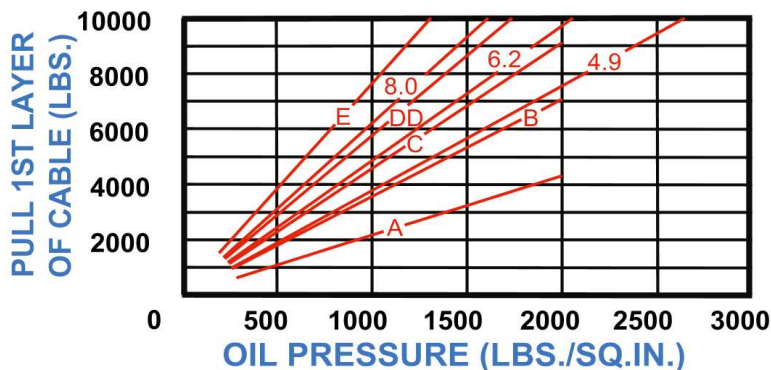
20:1 RATIO (standard)



27:1 RATIO (optional)



40:1 RATIO (optional)



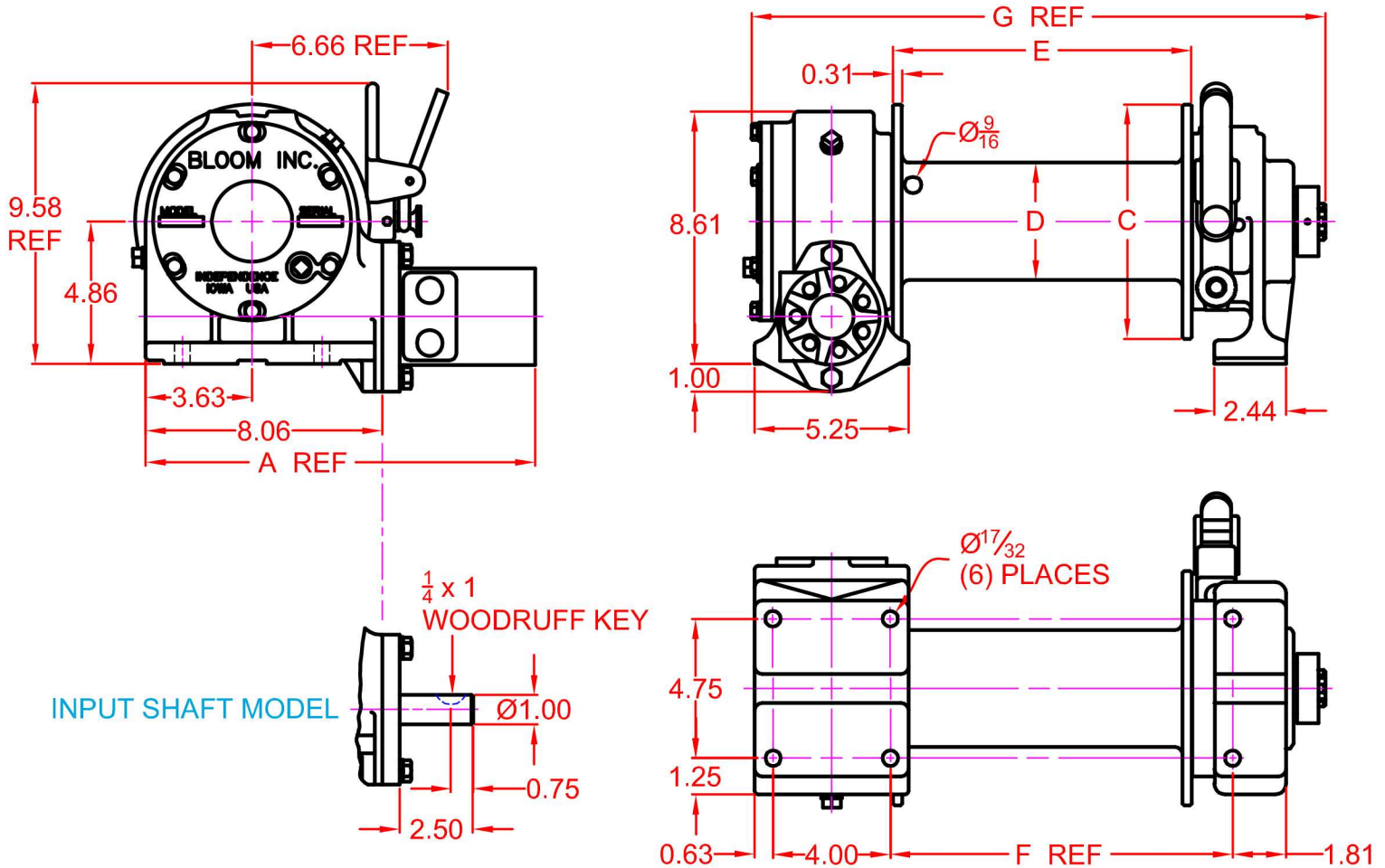


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BLOOM™ WINCH

Dimensional Drawings

Series 1000C With S8 and L8 Drum
Base Mount Model - Clutch Drive



MOTOR DESIGNATION	A	B	C	DD	E	G	4.9	6.2	8.0	9.6	11.9
A DIMENSION	13.28	13.43	13.55	13.68	13.90	14.03	15.32	15.50	15.75	15.75	16.02
DRUM DESIGNATION	WINCH DIMENSION										
	C	D	E	F	G						
S8	8	4	7.19	8.69	16.62						
L8	8	4	10.19	11.69	19.62						

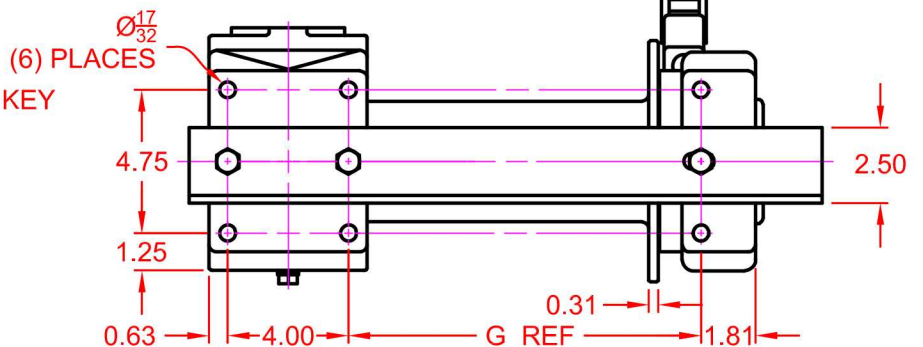
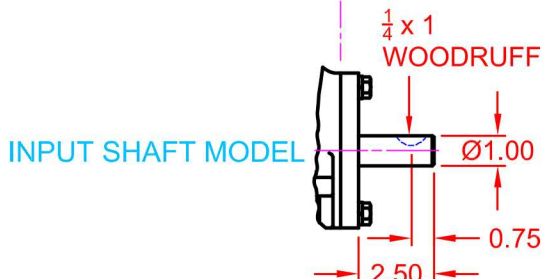
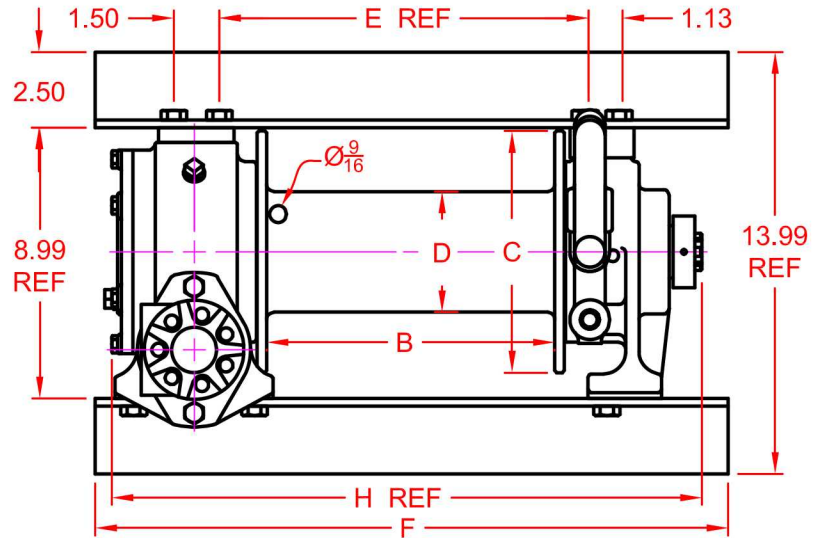
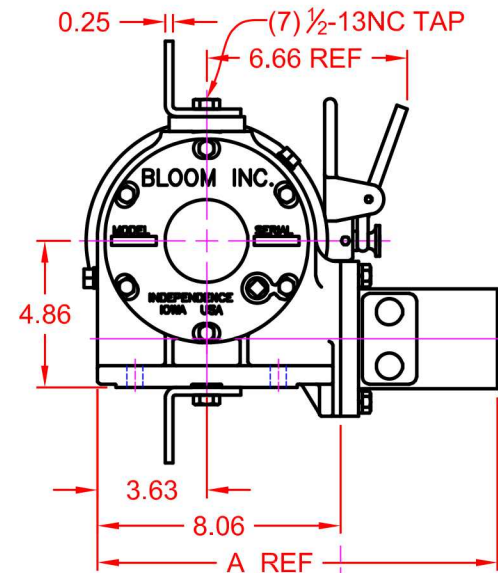


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BLOOM™ WINCH

Dimensional Drawings

Series 1000C With S8 and L8 Drum
Low Profile Model - Clutch Drive



MOTOR DESIGNATION	A	B	C	DD	E	G	4.9	6.2	8.0	9.6	11.9
A DIMENSION	13.28	13.43	13.55	13.68	13.90	14.03	15.32	15.50	15.75	15.75	16.02

DRUM DESIGNATION	WINCH DIMENSION						
	B	C	D	E	F	G	H
S8	6.56	8	4	9.25	18	8.69	16.58
L8	9.56	8	4	12.25	21	11.69	19.58



Dimensional Drawings

Series 1000C With XL10, XL12 and XL14 Drum Base Mount Model - Clutch Drive



MOTOR DESIGNATION	A	B	C	DD	E	G	4.9	6.2	8.0	9.6	11.9
A DIMENSION	13.28	13.43	13.55	13.68	13.90	14.03	15.32	15.50	15.75	15.75	16.02

DRUM DESIGNATION	XL10				XL12				XL14		
B DIMENSION	10				12				14		
C DIMENSION	9.86				10.86				11.86		

BLOOM™ WINCH

1000C SERIES MODEL SELECTION

A MOTOR

10-A-S8C
10-A-L8C
10-A-XL10C
10-A-XL12C
10-A-XL14C

B MOTOR

10-B-S8C
10-B-L8C
10-B-XL10C
10-B-XL12C
10-B-XL14C

C MOTOR

10-C-S8C
10-C-L8C
10-C-XL10C
10-C-XL12C
10-C-XL14

DD MOTOR

10-DD-S8C
10-DD-L8C
10-DD-XL10C
10-DD-XL12C
10-DD-XL14C

E MOTOR

10-E-S8C
10-E-L8C
10-E-XL10C
10-E-XL12C
10-E-XL14C

G MOTOR

10-G-S8C
10-G-L8C
10-G-XL10C
10-G-XL12C
10-G-XL14C

4.9 MOTOR

10-4.9-S8C
10-4.9-L8C
10-4.9-XL10C
10-4.9-XL12C
10-4.9-XL14C

6.2 MOTOR

10-6.2-S8C
10-6.2-L8C
10-6.2-XL10C
10-6.2-XL12C
10-6.2-XL14C

8.0 MOTOR

10-8.0-S8C
10-8.0-L8C
10-8.0-XL10C
10-8.0-XL12C
10-8.0-XL14C

9.6 MOTOR

10-9.6-S8C
10-9.6-L8C
10-9.6-XL10C
10-9.6-XL12C
10-9.6-XL14C

11.9 MOTOR

10-11.9-S8C
10-11.9-L8C
10-11.9-XL10C
10-11.9-XL12C
10-11.9-XL14C

INPUT SHAFT MODEL

10-IS-S8C
10-IS-L8C
10-IS-XL10C
10-IS-XL12C
10-IS-XL14C

BLOOM™ WINCH

Correct choice of Directional Control Valves for Bloom Winches

Tandem Center Spool Valve – Work Ports are **blocked** in neutral position

Use on all winches that use motor only to hold load.

*Winches require ridged mounting plate.

See owner's manual for information about proper mounting plate thickness or call Bloom Sales Engineer at factory

WARNING!

Goods are not intended for use in the moving or lifting 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 and it is understood that all such use shall be at the sole risk of the user.

The cable clamps on winches are not designed to hold rated loads. A minimum of 5 wraps of cable must be left on drum barrel to guarantee holding of rated load.

Applications of winch where life would be endangered by any event are not recommended.



BLOOM Manufacturing Inc. **Winch Division**

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