

MODEL  
**WR**

# INDUSTRIAL DUTY WIRE ROPE HOISTS



**1/2 - 5 Ton**  
**Made in USA**

## WR Wire Rope Models

**COFFING WR Models** – Incorporates the High Performance Engineering of the Coffing Brand with additional advantages of wire rope. The Coffing WR models feature: a mechanical load brake; motor brake; and overload protection as standard.

**CAPACITIES & LIFT** - Rated loads from 1/2 to 5 tons, with lifts from 15 ft. to 70 ft. based on models. Standard push button drop is 4 ft. less than lift.

**VOLTAGES & MOTOR OPTIONS** – 115/230 (single phase); 230/460, 208, 220/380, 575 (three phase) 60 hertz or 50 hertz. Two-speed motors available (3 to 1 speed ratio).

**REEVING OPTIONS** – WR Models are available with 2-part standard; 4-part standard; True Vertical Lift; and Low Headroom options.

**SUSPENSION OPTIONS** - Hoist can be Lug, Plain, Geared, or Motorized Trolley mounted.

**ADJUSTABLE LIMIT SWITCH** – Regulate upper and lower load travel. Stainless steel and brass components provide exceptional repeatability and positioning.

**OIL BATH TRANSMISSION** – Gears are precision machined of alloy steel and run in an oil bath for longer, quieter operation.

**SMALL FRAME DESIGN** - Features housings of cast aluminum alloy construction for minimum weight. Engineered and designed for use with motors up to 1 HP.

**LARGE FRAME DESIGN** - Features load bearing housings of ductile iron construction for maximum strength. Non-load bearing housings of cast aluminum alloy for minimum weight. Engineered and designed for use with higher torque 2 and 3 HP three phase motors.

**MACHINED STEEL DRUM** – Precision grooves are machined to a depth 50% of the wire rope diameter.

**VFD OPTION** – Under-the-cover Variable Frequency Drives offer In-field, instant programming - from infinitely variable (12:1 speed ratio) to any intermediate, predetermined speed range. VFD's can also be externally mounted to Motorized Trolley Units.

**OTHER OPTIONS & ACCESSORIES** – Corrosion resistant stainless steel wire rope available. For other options and accessories, see pages 28-30

### ● SPECIFICATIONS ●

#### Wire Rope Models

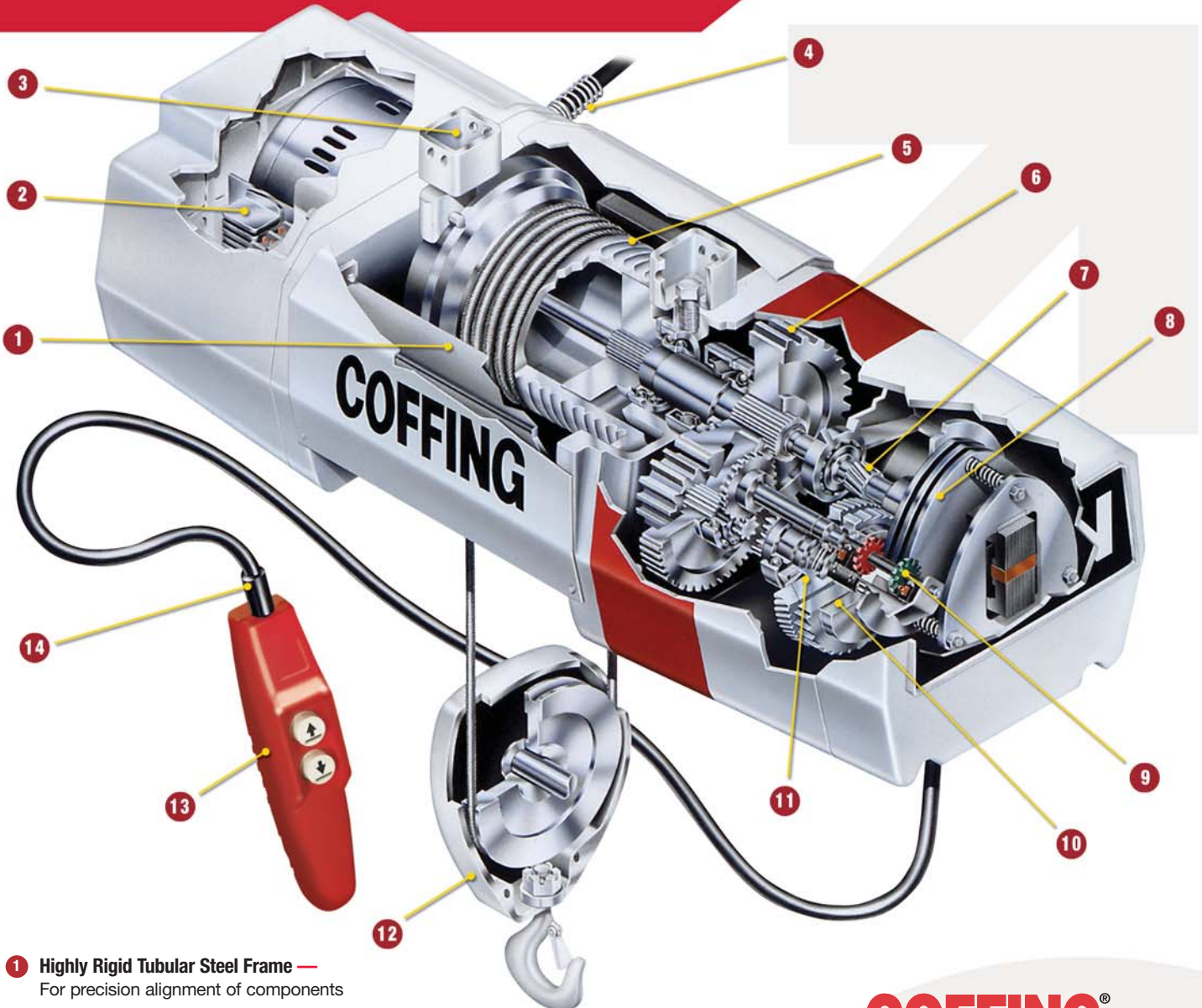
Capacity		Model Number	Frame Size	Optional Reeving	Motor HP	Lifting Speed (fpm)	Headroom (in.)	Weight (lb.)
(lb.)	(Ton)							
1000	1/2	<b>WR1010</b>	S	S, TVL, LH	1/2	10	20	107
1000	1/2	<b>WR1016</b>	S	S, TVL, LH	1/2	16	20	107
1000	1/2	<b>WR1021</b>	S	S, TVL, LH	1	21	20	181
1000	1/2	<b>WR1032</b>	S	S, TVL, LH	1	32	20	181
2000	1	<b>WR2010</b>	S	S, TVL, LH	1	10	20	181
2000	1	<b>WR2016</b>	S	S, TVL, LH	1	16	20	181
2000	1	<b>WR2028</b>	L	S, TVL, LH	2	28	26 1/4	371
4000	2	<b>WR4014</b>	L	S, TVL, LH	2	14	26 1/4	371
4000	2	<b>WR4021</b>	L	S, TVL, LH	3	21	26 1/4	380
6000	3	<b>WR6010</b>	L	S	2	10	27 1/6	446
6000	3	<b>WR6014</b>	L	S	3	14	27 1/6	455
6000	3	<b>WR6016</b>	L	TVL, LH	5	16	24 5/8	1080
6000	3	<b>WR6026</b>	L	TVL, LH	5	26	24 5/8	1080
10000	5	<b>WR10016</b>	L	TVL, LH	5	16	24 5/8	1080

**Note:**  
For complete dimensional data, refer to Coffing Dimensional Databook

# WR HOIST CUTAWAY VIEW



↑ HIGH  
PERFORMANCE  
LIFTING



- 1 Highly Rigid Tubular Steel Frame** —  
For precision alignment of components
- 2 Easy Access to All Electrical Connections**
- 3 Dual Articulating Trolley Lugs** —  
Provide excellent curved beam traveling characteristics.
- 4 Threaded Power Cord Entry** —  
Weather Tight
- 5 Steel Machined Groove Drum** —  
Provides smoother winding and longer rope life.
- 6 Precision Machined Alloy Steel Gears** —  
Lubricated by oil bath for longer, quieter operation.
- 7 First Stage Helical Gearing** —  
Quietest operation available

- 8 Multiple Disc Motor Brake** —  
Direct acting to stop load when push button is released and power off.
- 9 Adjustable Upper and Lower Limit Switches** —  
For regulated load travel.
- 10 Mechanical Load Brake** —  
Multiple disc type for load lowering control and additional reliability.
- 11 Standard Overload Clutch** —  
Protects against damage caused by excessive overloads and reverse phasing.
- 12 Fully Enclosed Bottom Block** —  
Guards against rope jamming and sheave damage.

- 13 Ergonomic Push Button Control** —  
Impact and chemical/corrosive atmosphere resistant. Our push button station fits operator's hand for thumb or two-handed operation. 24 Volt Control standard for operator safety. 115 Volt Control available upon request. NEMA 3R (weather resistant) standard.
- 14 Internal Strain Relief** —  
Provides support for push button station

**COFFING**<sup>®</sup>  
HOISTS