

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	WR1010	S	S, TVL, LH	1/2	10	20	107
1000	1/2	WR1016	S	S, TVL, LH	1/2	16	20	107
1000	1/2	WR1021	S	S, TVL, LH	1	21	20	181
1000	1/2	WR1032	S	S, TVL, LH	1	32	20	181
2000	1	WR2010	S	S, TVL, LH	1	10	20	181
2000	1	WR2016	S	S, TVL, LH	1	16	20	181
2000	1	WR2028	L	S, TVL, LH	2	28	26 1/4	371
4000	2	WR4014	L	S, TVL, LH	2	14	26 1/4	371
4000	2	WR4021	L	S, TVL, LH	3	21	26 1/4	380
6000	3	WR6010	L	S	2	10	27 1/6	446
6000	3	WR6014	L	S	3	14	27 1/6	455
6000	3	WR6016	L	TVL, LH	5	16	24 5/8	1080
6000	3	WR6026	L	TVL, LH	5	26	24 5/8	1080
10000	5	WR10016	L	TVL, LH	5	16	24 5/8	1080

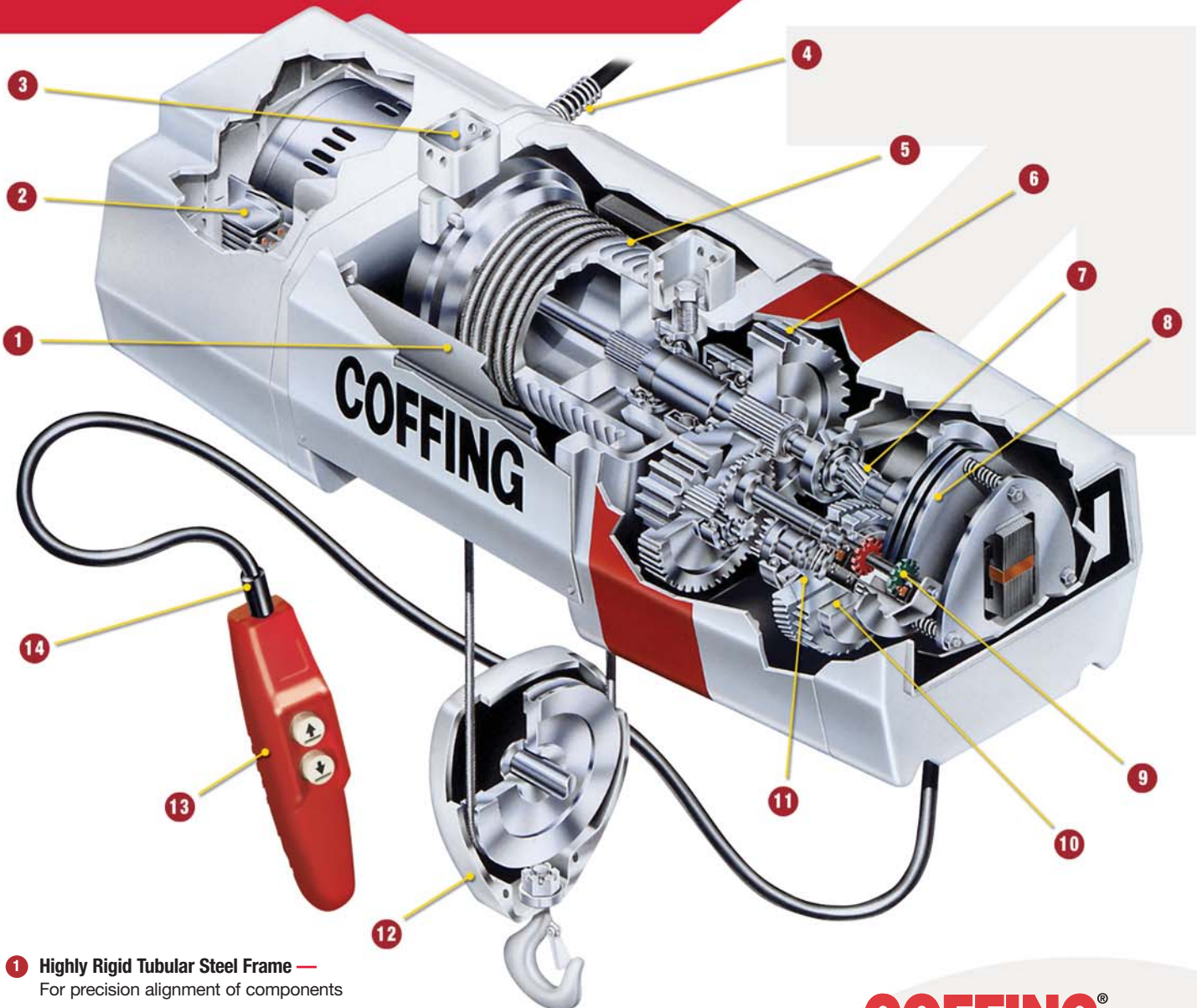
Note:
For complete dimensional data, refer to Coffing Dimensional Database

COFFING®
HOISTS

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[®]
HOISTS