





SAFER FIRE REELS

WORLD PATENTED
DESIGNED & MADE IN AUSTRALIA



The Fire Dog™ is a world-patented. Fire Dog™ reels are designed by our experienced and dedicated inhouse Engineering Team. Products are tested and embraced by Australian Fire Fighters in the most challenging Australian landscape. All Fire Dog™ reels are made in Australia to deliver the highest quality and durability.

INNOVATIVE DESIGN

The unique, Australian designed and made gearbox and drive mechanism is extremely compact and eliminating the need for an external gearbox.

Our reel assists safer rewind speed; and offers unmatched flexibility in size and capacity.

The “No Sprocket, No Chain” design is one of the most reliable and safest reels available.

EXPLORE OUR PATENTED PRODUCT RANGE

Fire Dog™ Direct Drive Series

Ultra-Narrow - designed for smaller capacity or limited space facilities such as in workshops, service trucks and mine processes

Ultra-Wide - the widest Direct Drive ‘Safety Reel’ on the market



HEAVY DUTY COMPACT SAFER DIRECT DRIVE REEL SYSTEM

HEAVY DUTY & MODULAR

Its heavy duty, modular construction can be used on all indoor, underground, outdoor and mobile applications. The Fire Dog™ can be Shipped Complete or in Knock-Down Form for easy assembly, which saves on freight.

LOW COST MOTOR DRIVE

Choose a low cost motor drive to suit you. Our low cost motor utilises the torque advantages and safer rewind speed of the standard gearbox include air, hydraulic, electric 12/24VDC and manual crank.

QUICK HUB SIZE CHANGE

Change hub sizes in minutes. A stainless steel swivel can be easily added upon request making the entire fluid path stainless steel to suit aggressive or corrosive fluids.

SIZES TO SUIT ALL WORKS

The Fire Dog™ Reel Direct Drive series is now available in the widest range of hose capacity to suit various capacity and space requirements. The new expanded range is now available to suit most common hose sizes from 1/2" to 2" I.D.

New Ultra-Narrow design is now available for smaller capacity or limited space requirements such as in workshops, service trucks and mine processes.

Also available is the Ultra-Wide design. The Ultra-Wide Design is the widest Direct Drive 'Safety Reel' on the market.





EZI FEATURES

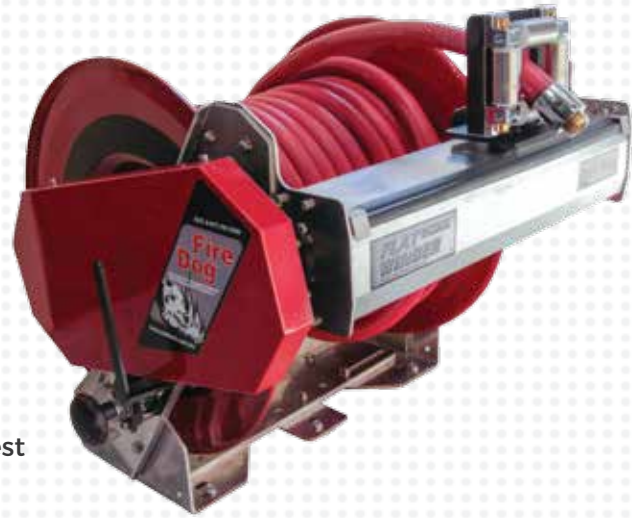
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FIRST
IN REEL SAFETY
TECHNOLOGY

EZI PAYOUT EZI-DEPLOY™ EZI ON THE BACK EZI REWIND

Reel Tech's ergonomically
designed hose reels

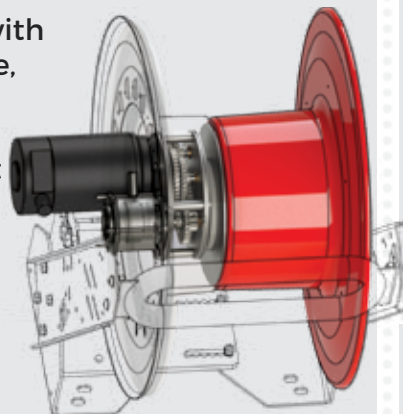
Auto declutching systems on all Fire Dog™ reels reduce effort required for payout, even on the largest and longest hose lengths. EZI-Deploy™ clutch systems offers smooth reel operation and prevent excessive force that can prematurely damage equipment.



EZI-DEPLOY™

"Drag-free" Auto Declutching System

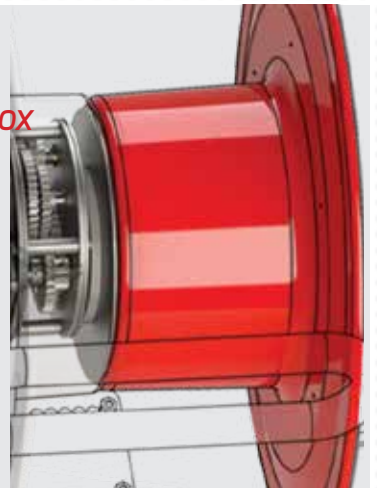
Fully automatic
"Drag-free" payout with
the lowest resistance,
EZI-Deploy™ clutch
system dramatically
reduces hose payout
force minimising
operator strain
injuries.



Safe-R-Reel™

Speed Control Gearbox

Reel Tech's patented
'No chain/sprocket'
Safe-R-Reel™
gearbox ensures a
controlled rewind
speed during rewind.



FlatWinder™

Automatic hose
layering technology
efficient, jam-free
layering of hose
during storage.



Reel-In-Control™

Wireless Remote Control

Cut response
times and increase
safety with
single-operator
technology



SAFER FIRE REELS

FD 25 SERIES

STANDARD FIRE CAPACITIES

60m x 1”I.D. Hose

90m x 1”I.D. Hose

MATERIALS

Powder coated aluminium

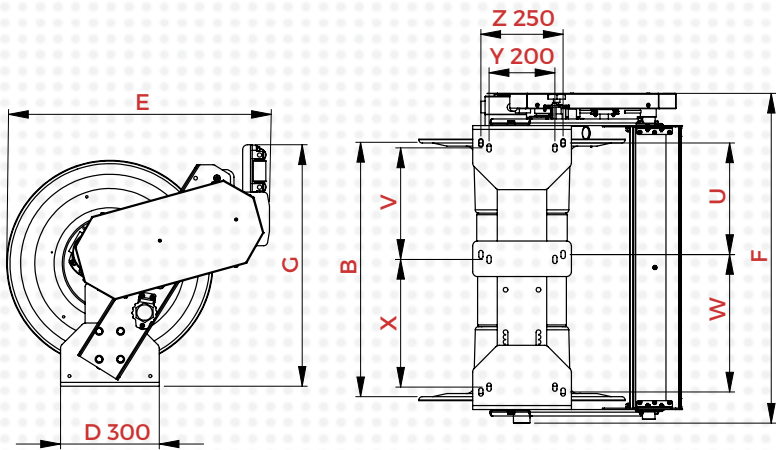
Galvanised

FEATURES

- Drive system separated from spool - free of any disc sprockets or chains
- More reliable in service
- Safe - OH&S friendly - No Sprockets, no chains on discs
- Flexible in size and capacity

OPTIONAL EXTRAS

- Hand Crank Rewind Mode - emergency override integrated within gear box
- Free Wheel Mode - bypass electrical motor for easy payout
- Flat Winder™ - level wind system for easy hose layering on spool
- Wireless Remote Control Rewind - requires less personnel for hose storage duties



Model Number		Hose Capacity of Reel m			Approx Weight* kg	Hose Guide	Reel Dimensions*** mm									
		I.D. (mm)	19	25			A	B	E	F	G	U	V	W	X	
		I.D. (in)	3/4"	1"												
		O.D. (mm)	33	40												
		O.D. (in)	1-9/32"	1-9/16"												
FD SERIES	EFD25-565-650		100	60	64	C Roller	695	560	710	790	688	255	255	292	262	
	EFD25-765-650		140	90	78	C Roller	905	770	710	1000	688	339	339	418	388	
	EFD25-565-650FW		100	60	75	FlatWinder	695	560	800	795	751	255	255	292	262	
	EFD25-765-650FW		140	90	91	FlatWinder	905	770	800	1005	751	339	339	418	388	

NOTES

- Specifications subject to change without notice
- A Flexible Connector must be used between the inlet pipe and in the inlet swivel joint
- Refer to the operational notes for prototype reel set up prior to use.
- Refer to Factory for Operating Temperatures.

* Weights shown for electric models.

*** X, Y indicates mounting holes.

do we need weight for aluminium vs galvanised?

SAFER FIRE REELS

XX SERIES

STANDARD FIRE CAPACITIES

- 60m x 1”I.D. Hose
- 90m x 1”I.D. Hose

MATERIALS

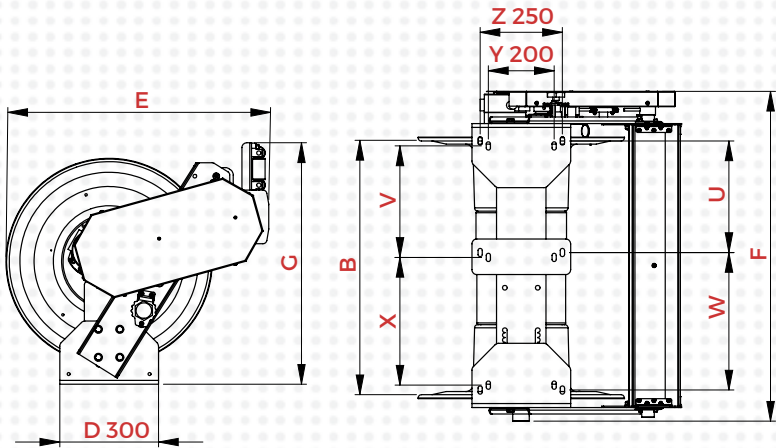
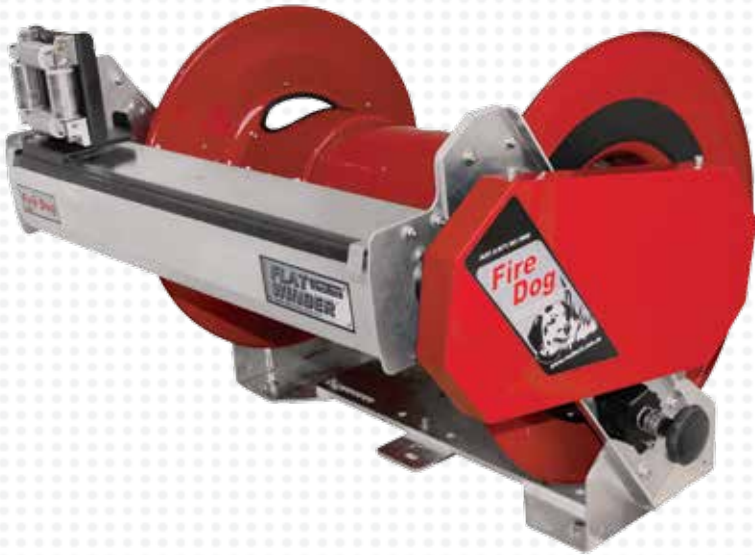
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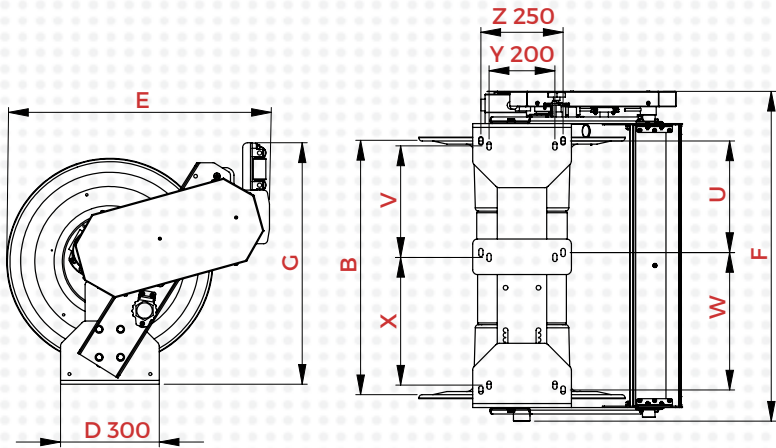
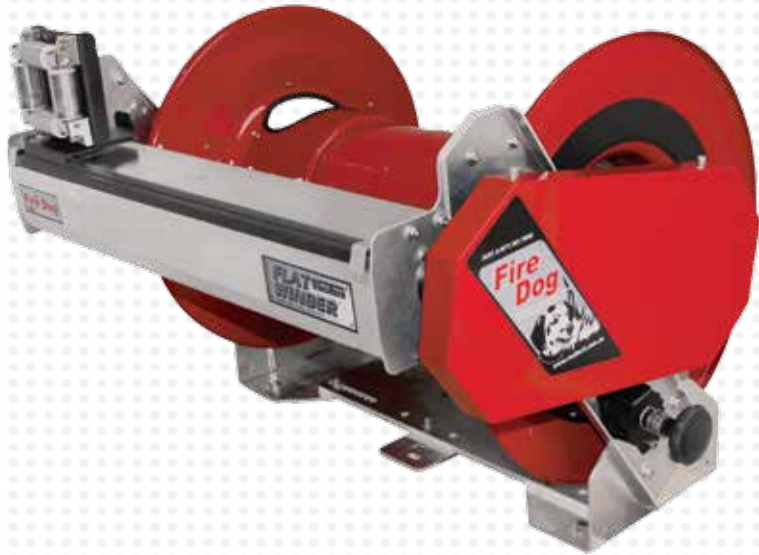
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OPTIONAL EXTRAS

ACCESSORIES TO MAKE YOUR FIREDOG™ WORK HARDER

FlatWinder™

Automatic hose layering technology delivers self winding process that is jam-free during storage.



Safe-R-Reel™

Speed Control Gearbox

Reel Tech's patented 'No chain/sprocket' Safe-R-Reel™ gearbox ensures a controlled rewind speed during rewind.



Reel-In-Control™

Wireless Remote Control

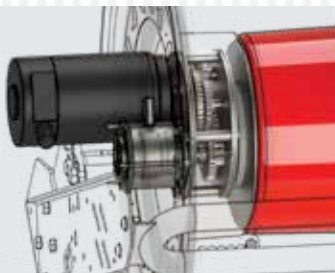
Cut response times and increase safety with single operator technology



Integrated Mechanical Clutch (Patent Pending)

Self actualising

Help reduce operator fatigue by minimising hose drag



Auxiliary Manual Crank Wind

Auxiliary Manual Crank Wind "Hand Crank rewind mode" emergency override integrated within gear box



C2 controller

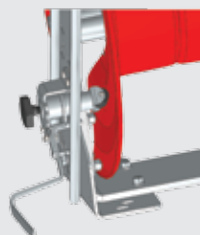
Use stainless steel rollers & cast alloy brackets for use on the reel where minimised hose drag is critical



Brakes & Locks

Brakes & Locks Unique Action Brake Pat. Pend. which slows the hose action as well as locking the hose and reel when not in use. Pneumatic or Pin Lock options also available

Manual Brake

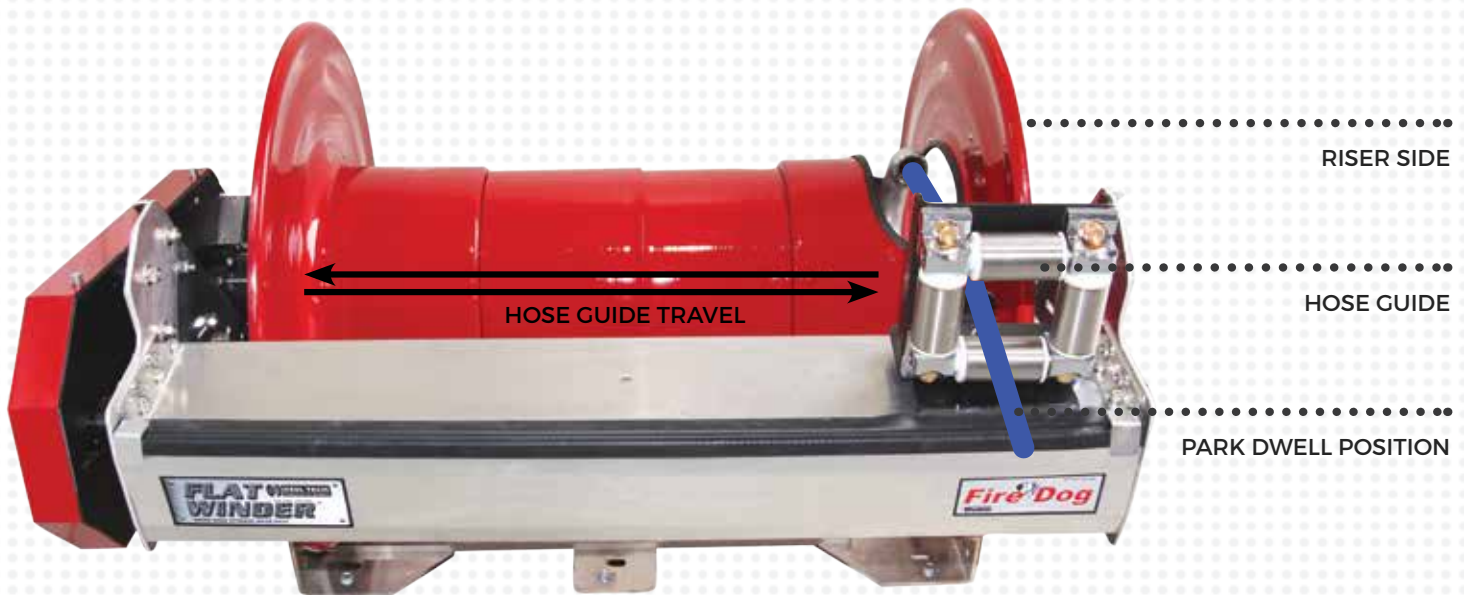


Pin Lock



OPERATIONAL NOTES

RFS EVALUATION REEL



Setting hose guide position for rewind

Hose guide must have commenced its travel (outside of Park Dwell Position) in rewind wrap direction prior to feeding hose through guide for connection to Riser.

NOTES: The object is to ensure the hose feed is just ahead of adjacent hose wrap during travel.

REWIND MECHANISM

The Fire Dog™ incorporates an Australian patented rewind mechanism that also powers the patented level wind hose layering system.

During the rewind function, a “metallic clicking sound” can be heard, this is a normal part of operation and only occurs during motorized rewind.

INSTALLATION INSTRUCTIONS

ELECTRIC REWIND REELS FOR DC AND AC OPERATION

NOTE: FAILURE TO FOLLOW THESE INSTRUCTIONS MAY VOID THE WARRANTY.

UNPACKING AND MOUNTING THE REEL

1. Inspect the reel for shipping damage
2. Check the wiring kit against the parts list
3. Fasten the reel frame securely to a level surface
4. Turn the reel discs by hand. The spool should turn freely. If it binds, contact factory

CONNECTING THE INLET

1. Threaded-type swivel joint inlets must be connected to the fluid supply by a flexible connector or the Reel Tech Warranty will be void
2. Victaulic-type inlet connections must be carefully aligned. Two victaulic connections, correctly installed, will normally allow adequate flexibility for smooth rotation
3. Install a union fitting as near as possible to the swivel joint so the joint can be easily removed for servicing

WIRING THE REEL

1. Certain accessories have been provided to wire your reel (see following pages). You will, however, need to provide a few additional materials:
 - Insulated Cable, #6 AWG (or larger, see note)
 - Various Insulated Ring Terminal and Wire Nut
 - Connectors (installation specific)
 - Circuit Breaker (see chart for amperage ratings)
 - Ground Strap for Reel
 - Vapor-proof Conduit (optional)
2. Follow the appropriate wiring diagram on the following pages to make the necessary connections. Check all ground connections before using motor

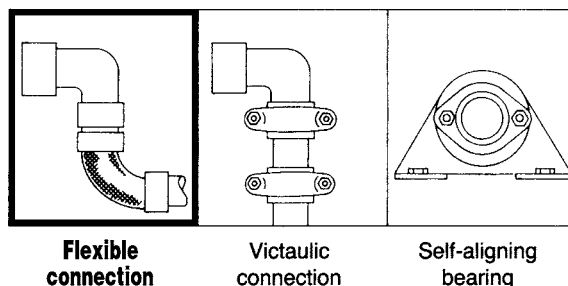
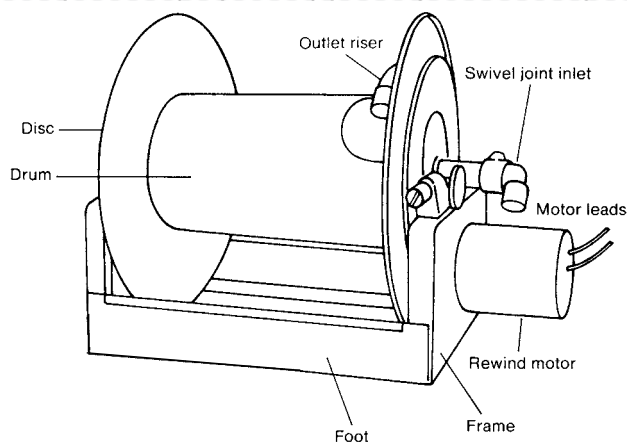
NOTE: #6 AWG wire should be sufficient in most installations to prevent significant voltage drop. However, you may choose to use heavier #4 AWG if the total circuit length is unusually long
3. The solenoid (12 or 24 V only) should be mounted as close as possible to the battery and/or starter. It should be mounted vertically and grounded securely. A circuit breaker **MUST** be wired into the circuit between the solenoid and battery
4. The motor rotation can be reversed by interchanging the motor leads

5. If you choose to use vapor-proof conduit between the solenoid and motor, then seal the open end of the conduit with a sealing compound and wrap with electrical tape
6. A ground strap must be securely fastened between the reel frame and a grounded part of the vehicle body. The motor ground lead must be directly bonded to the chassis. Do NOT rely on the reel structure for grounding. For explosion proof applications, the ground lead must be run to, and bonded to, the chassis in a non hazardous location such as the engine compartment of the vehicle
7. Tape all connections and check each one to make sure they are secure

CONNECTING THE HOSE

1. Do NOT attach the hose until the reel has been installed and wired
2. Charge the hose before winding it on the reel. This will protect the drum from excessive pressure
3. Apply thread compound to all threads and bushings. Thread the hose onto the outlet riser as per setting hose guide position for rewind
4. Wind the hose onto the reel (either electrically or with the hand crank)

NOTE: Reel Tech Reels electric rewind motors are designed to be operated by repeatedly pressing and releasing the





Note: Always use circuit breaker - refer to chart below for size guide only.)

CAUTION: THESE CIRCUIT BREAKERS ARE NOT SUITABLE FOR USE WITH AC MOTORS

DESCRIPTION OF CIRCUIT BREAKERS

WIRING PROCEDURES

AMPERAGE RATING

The application and motor will determine what amperage breaker is required. Under actual operating conditions the breaker should be of such a rating that when the hose reel motor is held in a stalled condition the breaker will open the circuit in no more than 30 seconds. Allowing the circuit to remain closed for a longer period of time would begin to endanger other components in the system.



Your partner in Hose Reel Safety

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