



# **FIRE DOG™**

## **SAFER REELS**

**WORLD FIRST IN HOSE REEL TECHNOLOGY  
FOR FIREFIGHTER SAFETY & ERGONOMIC**



- **ERGONOMICS + SAFETY**
- **REDUCE OPERATOR INJURY**
- **PROVEN RELIABILITY**
- **HEAVY DUTY DESIGN**
- **FAST DEPLOYMENT**



**REEL TECH**  
Pty Ltd  
Toughest for the Roughest



# FIRE DOG™

SAFER REELS

## REEL TECH

LEADERS IN FIRE REEL SAFETY

Since 1990, Reel Tech has been a leader in Hose Reel Development, working closely with Fire Departments, OHAS-Ergonomists and end users alike; to Develop New Technology that meets critical needs of the Reel user and Vehicle builders alike.

Many Fire Departments focus on all areas of OHAS aspects of Fire Fighting and how every improvement can reduce accidents, turn out times and hose deployments, without time or safety related delays. Reel Tech has worked closely with both Metropolitan and Rural Fire Departments to address many end user requests and reel life scenarios, to develop New Fire Reel Technology Advances; designed and tested for a wide range of Fire Fighting applications and Installations, hose types and lengths, environments and vehicle sizes.

As a result of over 20 years of constant development and testing with Fire Fighters, who rely on Hose Reels everyday as part of their Essential Service, the current range of Fire Dog Hose Reels from Reel Tech; now include patented World Best Practice Fire Fighting Reel Technology such as: Safe-R-Reel Direct Drive gearbox technology, meaning Safer Rewind Speeds for Fire Fighters, more control for powered reels and no more chain-sprocket safety and repair concerns for service teams.

Revolutionising Fire Fighter Safety is the patented Reel Tech EZI-DEPLOY™ reel auto declutching system. Allowing fire fighters to automatically declutch long lengths of hose from the reel, minimum effort is required to deploy hose easily off the reel and reducing possibility of RSI or Repetitive Strain Injury found on conventional reels without an EZI DEPLOY Clutch system.



Added to this is the follow me Hose guide, that when used in conjunction with Reel Techs Ezi-Deploy system, Firefighters can do what they do best, safely and efficiently unwind hose without hesitation or fear of injury, saving vital time in an Emergency when its needed most !

Redeployment and Faster-Easier hose rewinding has been problematic for fire fighters for many years, added to this is the possibility of strain injury from holding and maintaining resistance on large hoses while they are rewrapped onto reels, to help stop over lapping, uneven winding or hose binding. To overcome this, the Fire Dog can be ordered as standard with the latest Flatwinder automatic self-

layering Hose Guide system; a world first in automatic hose layering, which simply means no operator intervention required, for perfectly wrapped and stored hose quickly and efficiently.

Advanced materials, weight distributions, and sizes to meet all vehicle or custom applications, not to mention Technical advances such as the Latest in Heavy Duty Reel Disc brake technology, automatically controlled pneumatic Reel Disc Lock Actuation and pay out Drag System, make the Fire Dog the Safest and most Advanced Fire Fighting System to have in your Emergency Service Team Today. Ask us how we can help you!

## 4 REASONS TO CHOOSE FIREDOG™

### SIZES TO SUIT ALL PROJECT BUILDS

The Fire Dog™ range of direct drive hose reels are developed to assist operators with safer rewind speeds, reduced payout force and ergonomic design.

### AUTO EZI-DEPLOY™ DECLUTCHING DESIGN

Auto declutching systems can be offered on all Fire Dog™ reels to reduce effort required for pay out, even on the largest and longest hose lengths. EZI-DEPLOY™ clutch system offers smooth drag free reel operation and prevents excessive operator force, reducing pay out - pull force injury; a faster-safer way to deploy hose.

### DIRECT DRIVE SAFE SPEED GEARBOX

Choose direct drive gearbox system to suit your hose requirements. Reel Tech selection of motors utilise the torque advantages and safer rewind speeds of various gearboxes to suit electric 12v / 24v DC, air, hydraulic and some manual crank rewind hose reels and no chain drive to service or repair.

### HOSE SIZES AND CAPACITIES

The Fire Dog™ hose reels are available in a wide range of hose capacities. The new expanded range is now available to suit most common hose sizes from 1/2" I.D. to 1" I.D. Custom reel sizes are available upon request.



\*Fully optioned reel shown



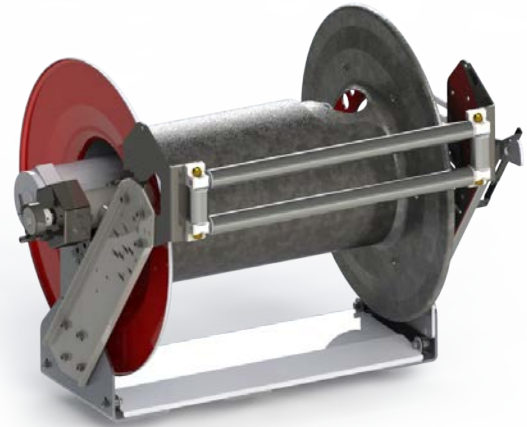
# FIRE DOG™

SAFER REELS

## SERIES FD-15 To handle ½" I.D. hose

### FEATURES

- Materials - Powder coated aluminium | Galvanised steel
- Crank rewind standard
- Optional direct drive electric, air or hydraulic
- Brake / Drag options refer page 4
- ½" NPTF 90° inlet swivel joint
- ½" NPTF riser outlet hub
- Pressures to 344 bar / 5000 psi
- Temperatures from -51°C to +121°C
- Refer to 'Optional Extras (Page 6-7)' for all reel accessories
- Custom reel sizes available on request

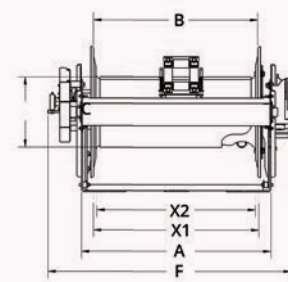
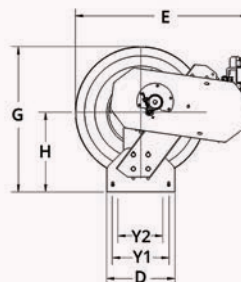


\*Shown with standard hose roller guide FlatWinder™ available on all reels.

Model Number	Hose Capacity of Reel (m)		Reel Dimensions*** (mm)												
	I.D. (in)	1/2	A	B	C	D	E	E	F	G	H	X1	Y1	X2	Y2
	I.D. (mm)	13													
	O.D. (in)	7/8													
	O.D. (mm)	22						RT Roller	FlatWinder						
FD15-220-475		32	313	197	293	300	560	672	536	535	290	213	250	190	200
FD15-290-475		44	377	271	293	300	560	672	543	535	290	271	250	238	200
FD15-355-475		55	437	339	293	300	560	672	544	535	290	331	250	301	200
FD15-425-475		66	512	407	293	300	560	672	762	535	290	406	250	376	200
FD15-220-575		59	313	216	293	300	651	763	536	643	350	213	250	190	200
FD15-270-575		69	362	253	293	300	651	763	640	643	350	261	250	231	200
FD15-290-575		79	377	290	293	300	651	763	543	643	350	271	250	238	200
FD15-355-575		98	437	358	293	300	651	763	544	643	350	331	250	301	200
FD15-425-575		116	512	426	293	300	651	763	762	643	350	406	250	376	200
FD15-220-650		87	313	216	293	300	685	797	536	683	370	231	250	190	200
FD15-270-650		102	362	253z	293	300	685	797	640	683	370	261	250	231	200
FD15-290-650		117	377	290	293	300	685	797	543	683	370	271	250	238	200

### NOTES:

- Specifications subject to change without notice.
- A flexible connector must be used between the inlet pipe and swivel joint.
- Manual, electric 12v / 24v DC, hydraulic and air rewind models available.
- Contact factory for sizes not listed above.
- \*\*\*X, Y indicates mounting holes.
- Consult factory for weight



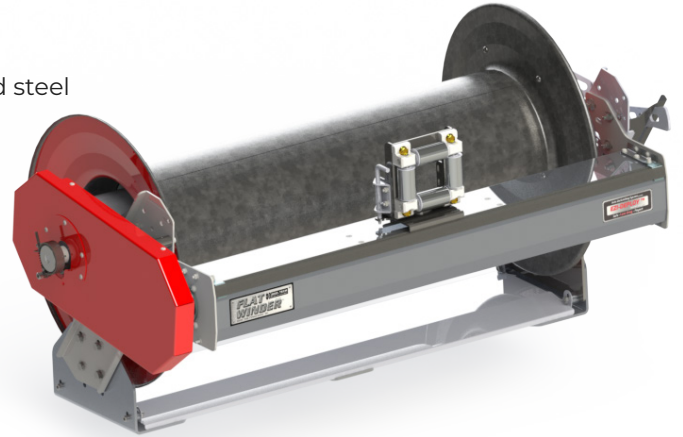
# FIRE DOG™ PRODUCT RANGE

## SAFER DIRECT DRIVE REEL SYSTEM

### SERIES FD-25 To handle ¾" I.D. or 1" I.D. booster hose

#### FEATURES

- Materials - Powder coated aluminium | Galvanised steel
- Crank rewind standard
- Optional direct drive electric, air or hydraulic
- Brake / Drag options refer page 4
- 1" NPTF 90° inlet swivel joint
- 1" MNST riser outlet hub
- Pressures to 207 bar / 3000 psi
- Temperatures from -51°C to +121°C
- Refer to 'Optional Extras (Page 6-7)' for all reel accessories
- Custom reel sizes available on request

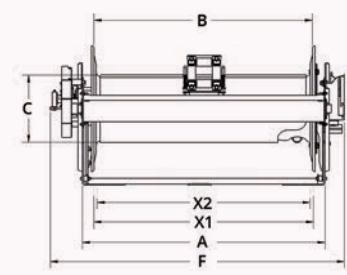
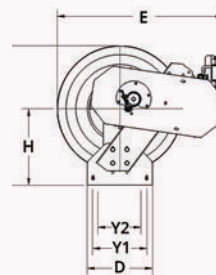


\*Shown with FlatWinder™ hose guide  
FlatWinder™ available on all reels.

Model Number	Hose Capacity of Reel (m)			Reel Dimensions*** (mm)												
	I.D. (in) I.D. (mm)	¾ 19	1 25	A	B	C	D	E		F	G	H	X1	Y1	X2	Y2
	O.D. (in) O.D. (mm)	1-9/32 33	1-9/16 40					RT Roller	FlatWinder							
FD25-425-475		21	18	512	407	293	300	560	672	762	535	290	406	250	376	200
FD25-600-475		31	27	713	581	308	300	560	672	937	535	290	595	250	577	200
FD25-900-475		47	40	1013	881	308	300	560	672	1237	535	290	895	250	877	200
FD25-425-575		52	31	512	426	293	300	651	763	762	643	350	406	250	376	200
FD25-600-575		75	45	713	600	308	300	651	763	937	643	350	595	250	577	200
FD25-900-575		113	68	1013	900	308	300	651	763	1237	643	350	895	250	877	200
FD25-1000-575		126	76	1113	1002	308	300	651	763	1349	643	350	1007	250	977	200
FD25-425-650		70	46	512	426	293	300	685	797	762	683	370	406	250	376	200
FD25-600-650		101	66	713	600	308	300	685	797	937	683	370	595	250	577	200
FD25-900-650		152	99	1013	900	308	300	685	797	1237	683	370	895	250	877	200
FD25-425-730		90	62	512	426	293	300	686	798	762	687	373	406	250	376	200
FD25-600-730		126	87	713	600	308	300	686	798	937	687	373	595	250	577	200
FD25-900-730		189	131	1013	900	308	300	686	798	1237	687	373	895	250	877	200

#### NOTES:

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# FIRE DOG™

SAFER REELS

## HOW TO BUILD A SAFER REEL

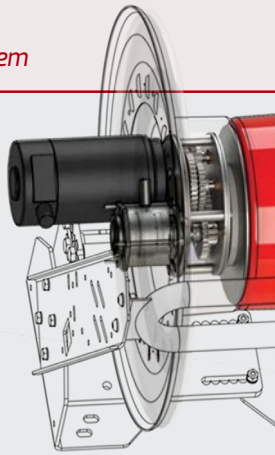
It's what's inside that make firefighter safer and easier

### **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. Available for all Fire Dog™ hose reel models.

\*Critical for long lengths of hose.



### **FlatWinder™**

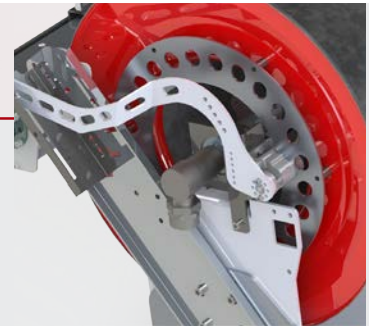
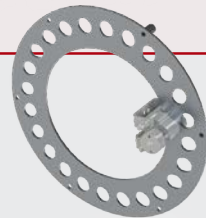
*Automatic Layering Technology*

Efficient, jam-free layering of hose during storage. Automatic layering system allows for single-operator.



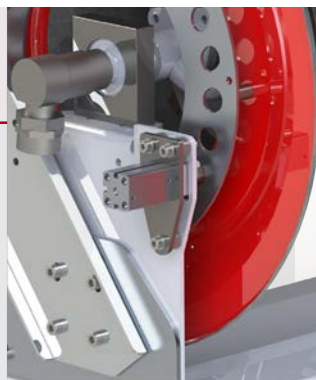
### **Heavy-Duty Disc Brake**

A stainless-steel disc brake rotor coupled with a heavy-duty caliper system used to slow the hose action as well as locking the hose when required. Manual and pneumatic actuation available.



### **Pneumatic Pin Lock Brake**

Pin Lock braking system stops reel movement during transit. Manual and pneumatic actuation available of the touch of a button.



### **Heavy-Duty Drag Device**

Adjustable friction drag device utilizing a large surface area to eliminate over-spooling on hose pay out.



# FIRE DOG™ ACCESSORIES

SAFER DIRECT DRIVE REEL SYSTEM

## OPTIONAL EXTRAS

It's what's inside that make firefighter safer and easier

### **Direct Drive** *Speed Control Gearbox*

Reel Tech's patented 'no chain / no sprocket' Safe-R-Reel™ gearbox ensures a controlled hose rewind speed to assist operator.



### **Reel-In-Control™** *Wireless Remote Control*

Cut response times and increase safety with single-operator wireless remote control technology.



### **Follow Me Hose Guide** *Swivelling Hose Guide*

The market's first multi-directional swivelling hose guide allows flexible use at any angle. A safer hose handling solution that reduces hose jam and damage. Includes pin lock for non-swivelling use, means safer hose deployment.



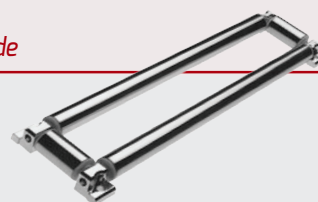
### **Auxiliary Manual** **Crank Wind**

Hand Crank rewind for emergency override integrated within gear box. Removable crank handle.



### **RT Roller** *Standard Hose Roller Guide*

Standard hose roller guide, stainless steel rollers & cast alloy brackets to reduce hose drag and assist hose wrapping.



# Can't see what you need... Need a custom reel?

Reel Tech can customise a safe reel solution for every application vehicle size and hose configuration.

Ask us about a reel solution for

- Rescue
- Breathing air
- Lay flat
- Communication
- Storage only

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### Reel Tech Partner:



These products may be protected by worldwide patents held by the author.  
Warranty: The manufacturer will replace, repair or refund the purchase price of The Product at their discretion, if defective in their manufacture. Claims must be notified to the manufacturer in writing within 30 days of shipment either of which occurs first. The Product should be returned to the place of purchase. The Manufacturer/Distributor shall not be liable for consequential damages, injury or commercial loss. Reel Tech makes no warranty of fitness for a particular purpose and makes no other warranty, express or implied, regarding the product's performance, safety, or suitability for any use. Reel Tech is not responsible for the responsibility of purchaser, compatibility charts available at request. All spray nozzle / reel dimensions vary from application to application and input variables. Technical assistance available. The company is not responsible for any such assistance / advice, or any consequences occurring as a result of the application of such assistance. © 2020 Reeltech Pty Ltd. All rights reserved.



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Your partner in Hose Reel Safety



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