

## Series **F/SBF** | For Booster Hose

### To handle 3/4" or 1" I.D. hose.

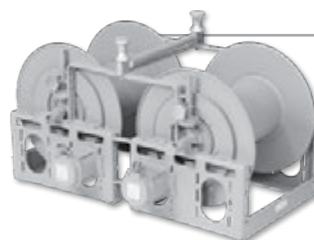
- Standard booster hose reel is steel, painted graphite. Aluminum or stainless steel construction is also available.
- Super Booster (SBF) polished aluminum construction reel weighs up to 30% less than standard booster reel. Prefix complete model number with "SB" when ordering. See Note 6 on page 7.
- Gear-driven crank rewind is standard. Choose chain and sprocket drive powered by electric, hydraulic or compressed air motor.
- Pinion brake standard.
- Standard inlet: 1" 90° ball bearing swivel joint with 1" female NPT threads.
- Standard outlet: 1" male NST threads. (1.375" x 8 threads per inch.)
- Consult factory for other sizes and/or threads.
- Standard inlet, outlet riser, and hub assembly are steel (also available in stainless steel).
- Rollers and roller mounting brackets are accessory items. Specify roller position.
- Pressures to 1000 psi (69 bar).
- Temperatures from -40° F to +400° F (-40° C to +204° C).
- Consult factory for reels to operate at other pressures and temperatures.

**CAUTION:** When using Niedner|Altra® hose, a special riser and/or larger drum diameter is required.

See chart for capacity on page 18, or consult factory.



Shown with Electric Rewind (E), optional red finish and optional roller and spool assembly



**Twin Fire Reel Conversion Kit is also available. Refer to page 10.**

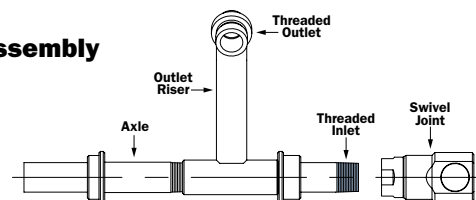
### Hub Assembly Options

The hub assembly is the heart of the hose reel. It includes the outlet riser, the reel axle, and the threaded inlet to which the swivel joint is attached. The swivel joint permits the reel to rotate freely while connected to the fluid source.

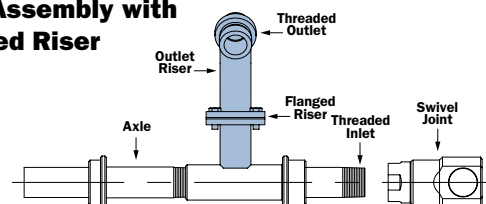
The outlet riser is engineered to conform to the contour of the drum so the hose lies smoothly against the drum without kinking. Smooth interior surfaces are flow-contoured for unrestricted flow and minimal pressure loss through the reel.

A 2-way flow hub assembly is available on certain models as an option. On this assembly, the reel axle is threaded on both ends so the swivel joint can be attached at either end to match piping. A pipe cap is supplied to seal the opposite end.

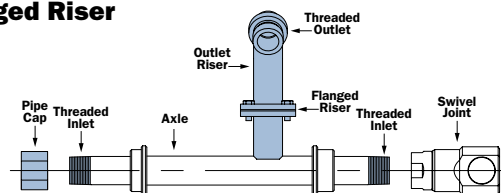
#### Standard Hub Assembly



#### Standard Hub Assembly with Optional Flanged Riser



#### Optional 2-Way Hub Assembly with Optional Flanged Riser



**PARTS DRAWING: SERIES F – ISO 84; SERIES SBF SUPER BOOSTER® – ISO 122**

Model Number <small>For power rewind see Note 5</small>	Hose Capacity of Reel feet m			Approx. Weight Crank Rewind lb. kg <small>see Note 4</small>				Reel Dimensions*** In. mm									
	I.D. in. mm	3/4 19	1 25	STEEL		ALUMINUM <small>see Note 6</small>		A	B	D	E	F CRANK	F POWER	G	H	X	Y
	O.D. in. mm	1-9/32 33	1-1/2 38	NET	SHIP	NET	SHIP										
<b>*F32-19-21</b>	175 53	85 26	102 46	144 65	86 39	128 58	29.5 749	24 610	20.5 521	21.62 549	34.25 870	34.38 873	21.5 546	12.12 308	12.12 308	21.5 546	16.75 425
<b>*F24-23-24</b>	150 46	125 38	92 42	134 61	79 36	121 55	21 533	15.5 394	20.5 521	23 584	25.75 654	25.88 657	23.5 597	12.12 308	12.12 308	13 330	16.75 425
<b>F30-23-24</b>	225 68	200 61	105 48	147 67	88 40	130 59	27.5 699	22 559	20.5 521	23 584	32.25 819	34.25 867	23.5 597	12.12 308	12.12 308	19.5 495	16.75 425
<b>F38-23-24</b>	300 91	250 76	120 54	162 73	100 45	142 64	35 889	29.5 749	20.5 521	23 584	39.75 1010	41.75 1060	23.5 597	12.12 308	12.12 308	27 686	16.75 425
<b>F28-25-26</b>	275 84	175 53	113 51	155 70	93 42	135 62	25.5 648	20 508	25.5 648	24.75 629	30.25 768	32.25 819	27.88 708	15.5 394	15.5 394	17.5 445	21.75 552
<b>F34-25-26</b>	350 107	250 76	126 57	168 76	99 45	141 64	31.5 800	26 660	25.5 648	24.75 629	36.25 921	38.25 972	27.88 708	15.5 394	15.5 394	23.5 597	21.75 552
<b>*F16.5-30-31</b>	175 53	125 38	100 45	150 68	83 38	133 60	13.5 343	8 203	25.5 648	28.75 730	18.25 464	18.38 467	29.88 759	15.5 394	15.5 394	5.5 140	21.75 552
<b>*F20-30-31</b>	250 76	150 46	107 49	157 71	87 39	137 62	17 432	11.5 292	25.5 648	28.75 730	21.75 552	21.88 556	29.88 759	15.5 394	9 229	21.75 552	
<b>F24-30-31</b>	350 107	250 76	113 51	163 74	91 41	141 64	21 533	15.5 394	25.5 648	28.75 730	25.75 654	27.75 705	29.88 759	15.5 394	13 330	21.75 552	
<b>F28-30-31</b>	-	300 91	121 55	171 78	96 43	146 66	25.5 648	20 508	25.5 648	28.75 730	30.25 768	32.25 819	29.88 759	15.5 394	15.5 394	17.5 445	21.75 552
<b>F34-30-31</b>	-	350 107	134 61	184 83	103 47	153 69	31.5 800	26 660	25.5 648	28.75 730	36.25 921	38.25 972	29.88 759	15.5 394	15.5 394	23.5 597	21.75 552
<b>F20-33-34</b>	300 91	200 61	107 49	157 71	87 39	137 62	16.5 419	11.5 292	31.5 800	31.75 806	21.12 536	23.25 591	33.62 854	17.75 451	9 229	27.75 705	

**Notes:**

- Specifications subject to change.
- A 2-way flow hub is available and must be specified. Assembly is threaded on both ends so swivel joint can be attached at either end of the reel. A pipe cap seals the opposite end. (See Ordering & Accessory Guide.)
- Upon request, reels can be supplied with drum lengths other than shown and with disc sizes in other diameters.
- Weights shown in chart are for crank rewind models. ADD these amounts for power rewind models:
 

	Net lbs/kg	Ship lbs/kg
Electric	40/18.1	40/18.1
Hydraulic	20/9.1	20/9.1
Air	20/9.1	20/9.1
- When ordering power rewind models, prefix model number with:
  - A** = Air Rewind – supplied with control valve and 18" air hose.
  - E** = Electric Rewind (1/3 HP)
  - EP** = Electric Rewind (1/2 HP) – 12v and 24v DC rewind reels supplied with switch and solenoid. 115v AC rewind reels are not supplied with switch, but can be ordered separately.
  - HD** = Hydraulic Rewind – not supplied with control valve.
- For polished aluminum reels, prefix complete model number with "SB" (for example: SBEF 32-19-21).
- When installing FH-3 rollers, add 4-1/2" to the "D" dimension.
- Be sure to check dimensions and weights prior to ordering.**

**NOTICE:** A flexible connector must be used between the inlet pipe and the inlet swivel joint.

\*The "F" dimension for these models is shown for 1/3 HP motors. Add 2" to "F" dimension for 1/2 HP motors. The "F" dimension for all other reels is shown for 1/2 HP. Reels handling 175' or more must use 1/2 HP motor. (Use prefix EP when ordering.)

\*\*\* X, Y indicate mounting holes.

