

Series SF | For Booster Hose

• Inboard Mounted Motor

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

- Inboard motor location high profile.
- Standard booster hose reel is steel, painted graphite. Aluminum or stainless steel construction is also available.
- "Super Booster" (aluminum construction) reel weighs up to 30% less than standard booster reel.
- 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 -25°F to +250°F (-32°C to +121°C).
- Consult factory for other pressures and temperatures.

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

See chart for capacity on page 20, or consult factory.



Standard configuration shown

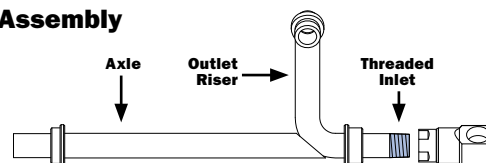
Hub Assembly Options

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.

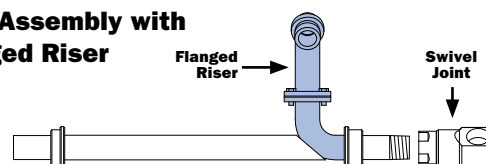
The outlet riser is engineered to conform to the contour of the drum so the hose lies smoothly against the drum without kinking. Smooth interior surfaces are flow-contoured for unrestricted flow and minimal pressure loss through the reel.

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.

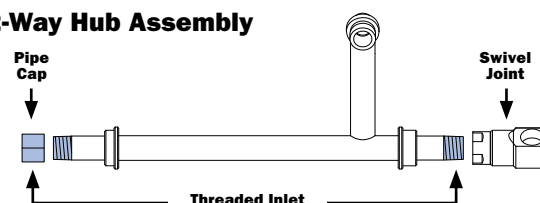
Standard Hub Assembly



Standard Hub Assembly with Optional Flanged Riser



Optional 2-Way Hub Assembly



PARTS DRAWING – ISO 220

Model Number For power rewind see Note 5	Hose Capacity of Reel feet m			Approx. Weight Crank Rewind lb. kg see Note 4				Reel Dimensions*** in. mm								
	I.D. in. mm	3/4 19	1 25	STEEL		ALUMINUM		A	B	D	E	F	G	H	X	Y
	O.D. in. mm	1-9/32 33	1-9/16 40	NET	SHIP	NET	SHIP									
SF32-19-21	150 46	100 30	102 46	144 65	80 36	122 55		29 737	24 610	20.5 521	21.62 549	34 864	25.12 638	15.75 400	21.5 546	16.75 425
SF24-23-24	150 46	100 30	92 42	134 61	75 34	117 53		20.5 521	15.5 394	23.5 597	23 584	25.5 648	29.25 743	17.88 454	13 330	19.75 502
SF30-23-24	250 76	150 46	105 48	147 67	82 37	124 56		27 686	22 559	23.5 597	23 584	32 813	29.25 743	17.88 454	19.5 495	19.75 502
*SF28-25-26	300 91	200 61	113 51	155 70	87 39	129 59		25 635	20 508	25.5 648	24.75 629	30 762	30.88 784	18.5 470	17.5 445	21.75 552
*SF34-25-26	400 122	250 76	126 57	168 76	93 42	135 61		31 787	26 660	25.5 648	24.75 629	36 914	30.88 784	18.5 470	23.5 597	21.75 552
SF16.5-30-31	200 61	100 30	100 45	150 68	80 36	130 59		13 330	8 203	29 737	28.75 730	18 457	35.62 905	21.25 540	5.5 140	25.25 641
SF20-30-31	250 76	150 46	107 49	157 71	83 38	133 60		16.5 419	11.5 292	29 737	28.75 730	21.5 546	35.62 905	21.25 540	9 229	25.25 641
*SF24-30-31	400 122	200 61	113 51	163 74	87 39	137 62		20.5 521	15.5 394	29 737	28.75 730	25.5 648	35.62 905	21.25 540	13 330	25.25 641
*SF28-30-31	500 152	250 76	121 55	171 78	90 41	140 64		25 635	20 508	29 737	28.75 730	30 762	35.62 905	21.25 540	17.5 445	25.25 641
*SF30-30-31	550 168	300 91	125 57	175 79	92 42	142 64		27 686	22 559	29 737	28.75 730	32 813	35.62 905	21.25 540	19.5 495	25.25 641
*SF34-30-31	650 198	350 107	134 61	184 83	97 44	147 67		31 787	26 660	29 737	28.75 730	36 914	35.62 905	21.25 540	23.5 597	25.25 641
SF16-33-34	150 46	100 30	110 50	160 73	85 39	135 61		12.5 318	7.5 191	31.5 800	31.75 806	17.12 435	38.12 968	22.25 565	7.75 197	27.88 708
*SF20-33-34	350 107	200 61	117 53	167 76	90 41	140 64		16.5 419	11.5 292	31.5 800	31.75 806	21.12 536	38.12 968	22.25 565	9 229	27.88 708

Notes:

- Specifications subject to change.
- A 2-way flow hub is available at no extra cost 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 (does not apply to FedEx or UPS):

	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: SBESF32-19-21).
- All frames are rollformed channel, except Super Booster, which is square tubing.
- 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.

* Reels handling 200' or more of 1" must use 1/2 HP motor.

*** X, Y indicate mounting holes.

