

BRIGGS
IRRIGATION



Briggs Hosereel Mounted Linear Irrigation Booms
lane spacing from 18 to 48 metres

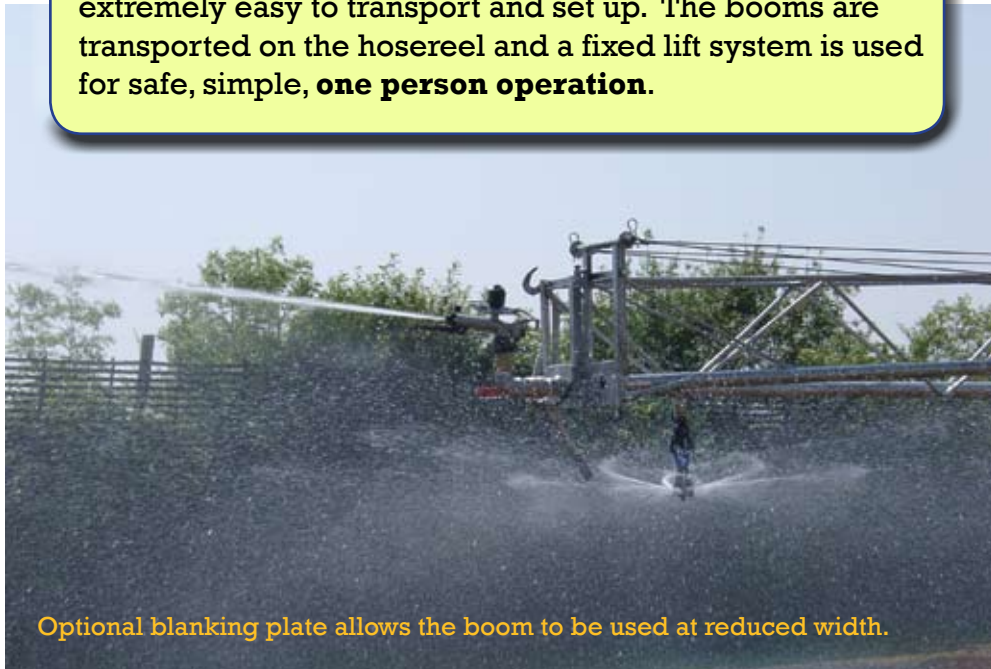


R30 irrigating potatoes.



Superior performance in a convenient package

The Briggs range of mounted booms provide efficient, accurate and uniform water distribution while being extremely easy to transport and set up. The booms are transported on the hosereel and a fixed lift system is used for safe, simple, **one person operation**.



Optional blanking plate allows the boom to be used at reduced width.

R30 - incorporating optional hydraulic lift system - in action.



Key features

- Low operating pressure
- Choice of pressure regulated sprayjets or rotators
- Robust, fully galvanised construction

We also offer an extensive range of options to ensure the boom matches your requirements for optimum performance.



Wheel track widths can be adjusted and the three-point linkage towing bar shown here is a popular option.

Mounted booms fold securely on the reel, simplifying transport and setting up.



Preparing the hosereel and boom for pulling out.



Benefits of irrigating with a Briggs boom

1. Uniformity - 90%, even in windy conditions.
2. Reduced risk of soil capping or slumping, compared with raingun application (also aids rainfall absorption).
3. Nelson pressure regulated sprayjets or rotators allow optimum droplet size to be selected for each crop.
4. Less energy needed - booms operate at around half the pressure needed for rainguns.

R40 pulling out.



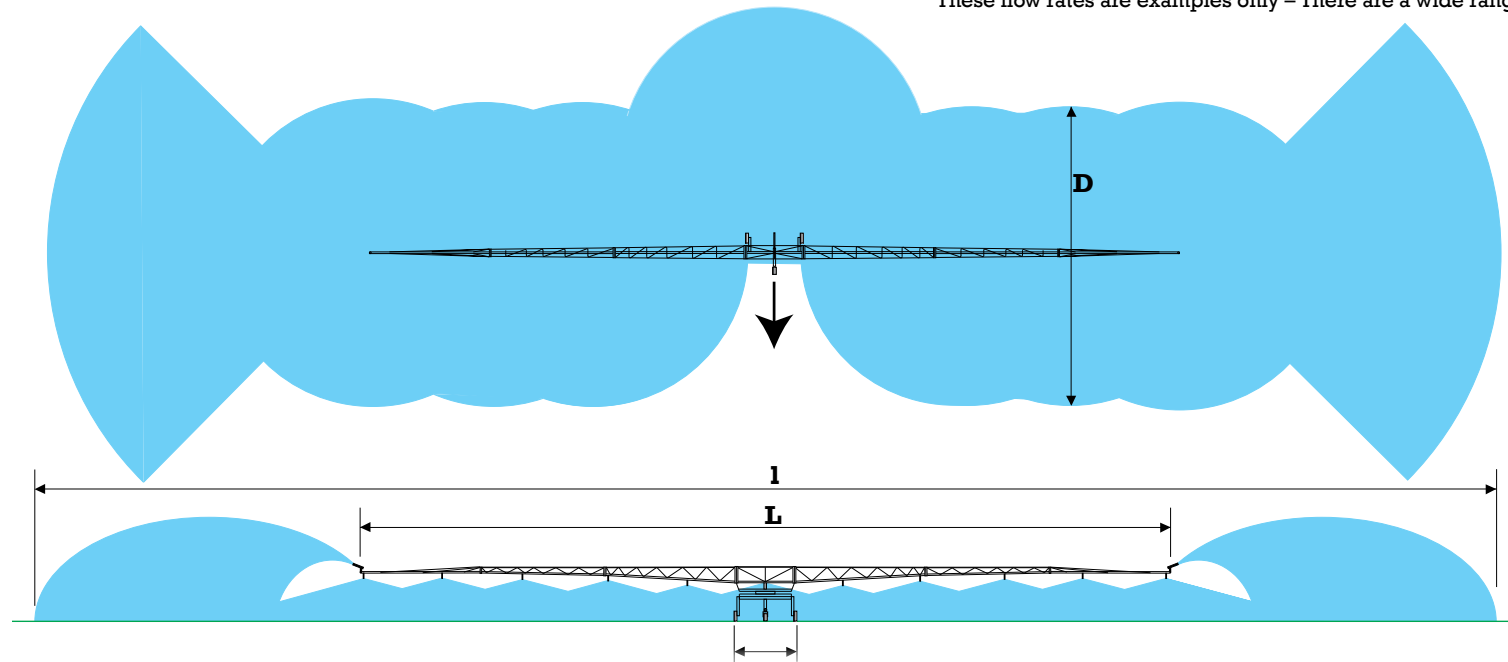
R40-48 in operation.



Briggs Boom Technical Data (for all hosereel mounted models)				
	R18	R24	R30	R40
Boom length (L)	18m (59')	24m (79')	29m (95')	40m (131')
Lane spacing (l)	18 – 32m (59 – 105')	24 – 42m (79 – 138')	30 – 48m (95 – 157')	40 – 48m (131 – 157')
Band width (D)	10 – 25m (33 – 82')			
Flow - m³/hr (imp gpm)	14 – 30 (51 – 110)	14 – 44 (51 – 160)	14 – 50 (51 – 184)	20 – 50 (73 – 184)
Operating pressure	1 – 4 bar (15 – 60 psi)			1 – 2 bar (15 – 30 psi)
Quantity of outlets	9	11	13	17
Folded length - m (ft)	5m (16'5")	5m (16'5")	5m (16'5")	5.5m (18')
Folded width - m (ft)	2.8m (9'3")	3.4m (11'2")	3.4m (11'2")	3.4m (11'2")
Track width - m (inch)	1.5 – 4.2m (60" – 165")			
Height to nozzle -m (ft)	1.5m (4'11") - **2.28m (7'5") for high crop version in high position			1.5m (4'11")
Height to top of structure - m (ft)	2.12m (7') -**2.9m (9'6") for high crop version in high position			2.37m (7'8")
Weight	400 kg	450 kg	460 kg	620kg
Figures are for reference purposes only and are not binding. We reserve the right to alter specifications without prior notice. ** High crop version available for R18, R24, R30 booms only				

Chart Showing Boom Travel Speeds For Example Flow Rates (metres/hour)								
Boom size / lane spacing in metres (feet)	Pressure on boom in bar (psi)	Flow rate in m ³ /hr (imp gpm)	Application rate (mm)					
			7.5	10	15	20	25	30
R18/24m (79') 18m wide structure with end sprayjets	2 (30)	16 (59)	90	68	45	34	28	22
		22 (81)	122	91	61	46	37	30
R24 / 30m (98') 24m wide structure with end sprayjets	2 (30)	22 (81)	96	73	48	37	29	24
		27 (99)	120	92	60	46	36	30
R30 / 36m (118') 30m wide structure with end sprayjets	2 (30)	27 (99)	102	76	51	38	30	25
		36 (132)	132	98	66	49	39	33
R30 / 48m (157') 30m wide structure with end sprinklers	4 (60)	36 (132)	100	74	50	37	30	25
		41 (150)	112	85	56	43	34	28
R40 / 48m (157') 40m wide structure with end sprayjets	2 (30)	36 (132)	100	74	50	37	30	25
		41 (150)	112	85	56	43	34	28
		47 (272)	128	97	64	48	39	32

These flow rates are examples only – There are a wide range of flow rates for each model.



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