

Design:

➤ Optional:

max. 440 m special PE pipe 90 x 6,7 mm
max. 400 m special PE pipe 100 x 7,4 mm
max. 300 m special PE pipe 110 x 8,2 mm

- Special gearbox (4 gears) with adjustable band brake
- Full casing
- P.T.O. shaft fast rewind
- Hydraulic support legs at the back
- Lockable turntable
- Return stop at the pipe drum
- Mechanical safety shut-down against winding faults
- Low pressure - and total shut-down
- Fully galvanized water inlet
- Chassis with single axle
- Adjustable track: 1.500 – 2.000 mm
- Electronic speed control with pinion sensor,
 - Pre- and after irrigation 0-99 min
 - Different speeds 5-200 m/h (depending on water conditions) for each irrigation cycle possible
 - Display of irrigation time
 - Simple programming
- Sprinkler skid, with automatic lifting
- Large-area sprinkler TWIN 101 ULTRA

Optional equipment:

- Large-area sprinkler at choice
- Compressed air brake system incl. operating licence acc. to Road Traffic Act (StVO)
- Pipe guidance device (mechanical)
- Supply hose DN 90, 8 m, 89 female/male, Discharge hose DN 90, 5 m, 90 female
- Hydraulic drive for turntable
- Hydraulic support leg at the front
- Water meter DN 80 non-calibrated or calibrated (on request)
- Lighting installation
- Solar panel for battery recharging
- Supply hose reel for 12 m flat hose DN 90
- GSM control unit
- Additional sprinkler for close range (electronically controlled)
- Wide tires

Applications:

- Agricultural areas, approx. 34 ha
- Vegetable cultivation
- Special crops
- Fruit growing
- Environmental protection

**Data and dimensions:**

Length ¹⁾ mm	Width mm	Height mm	Track mm	Weight without PE pipe
5.100	2.400	3.350	1.500 - 2.000	2.085 kg
Ground clearance mm			Tires	
470			260/70-15,3, 14PR	

PE pipe	Weight kg/m	Weight of PE pipe (kg)
90 x 6,7	1,78 without water	at 440 m length = 783 kg
	6,39 with water	at 440 m length = 2.811 kg
100 x 7,4	2,19 without water	at 400 m length = 874 kg
	7,89 with water	at 400 m length = 3.155 kg
110 x 8,2	2,66 without water	at 300 m length = 799 kg
	9,54 with water	at 300 m length = 2.863 kg

Sprinkler type	Unit	TWIN 101 ULTRA					
		14	16	18	20	22	24
Nozzle diameter	mm	14	16	18	20	22	24
Nozzle pressure	bar	3,0					
Water consumption	m³/h	13,0	16,9	21,4	26,5	31,9	38,0
Sprinkler throw range (WW)	m	31,6	33,7	35,9	38,2	39,1	39,9
Irrigated area ²⁾	m	53,7	57,3	61,0	65,0	66,5	67,8
Nozzle pressure	bar	4,0					
Water consumption	m³/h	15,1	19,5	24,7	30,7	36,9	43,9
Sprinkler throw range (WW)	m	35,1	37,3	39,9	42,5	44,2	45,8
Irrigated area ²⁾	m	59,7	63,4	67,8	72,3	75,1	77,9
Nozzle pressure	bar	5,0					
Water consumption	m³/h	16,8	21,8	27,6	34,3	41,2	49,1
Sprinkler throw range (WW)	m	37,3	39,8	42,5	45,2	47,3	49,3
Irrigated area ²⁾	m	63,4	67,7	72,3	76,8	80,4	83,8

1) Length without sprinkler skid

2) Usable irrigated area = 2 x WW –15% for overlapping and loss due to wind

Subject to technical modifications and changes in scope of supply!

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Absenk- und Beregnungsanlagen

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