



INNOVATIVE
IRRIGATION

komet | *Twin*

Twin 101 Ultra

For Travelers, Pivots and Solid Sets

High-performing big volume gun with ultra-long throw ranges and uniform distribution across the entire throw radius. Innovative design for maximum efficiency and long-term durability - even in harsh conditions



The Product

High-volume irrigation is beneficial for crops with greater watering requirements, and in environments that benefit from an extended throw radius. Big volume guns are an ideal solution for fields with irregular dimensions or physical obstructions, to increase the wetted diameter at the end of a mechanized irrigation system, or for solid set applications.

Komet's Twin Ultra line is based on years of field experience, and has been thoroughly tested in a variety of climates and conditions around the world. A sophisticated interplay of self-adjusting mechanisms enables uniform water distribution, unprecedented throw ranges and high energy efficiency - regardless of pressure levels or external conditions.

The use of high-end materials, and a construction designed to minimize stress on the main components, ensure an especially long product lifespan.

The Twin Ultra models are suitable for travelers, pivot end-guns or solid set installations. In addition to the agricultural sector, they also excel in sports-turf irrigation and industrial environments - for dust suppression, log irrigation, wastewater, applications and mining.

Features and Benefits:

- ▶ Ultra-long throw & uniform water distribution
- ▶ Unmatched performance at low pressure, starting at 2 bar
- ▶ High-quality materials incl. technical polymers, marine grade aluminum, chemically treated stainless steel
- ▶ Engineered to minimize wear on key components for an especially long product lifespan
- ▶ Extended nozzle range from 12 - 28 mm and nozzles available in 1 mm increments
- ▶ Various fixed and variable trajectory angles available (from 15° to 45°)
- ▶ Pressure range from 2 - 7 bar

Available Models

Twin 101

24° / 21°



Twin 101

VARI ANGLE 15°-45°



Twin 101

PIVOT 18°



Performance Data Metric Units

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High Performance Nozzles Trajectory angle **24°**

Pressure	Nozzle 12 mm - 0.47"		Nozzle 14 mm - 0.55"		Nozzle 16 mm - 0.63"		Nozzle 18 mm - 0.71"		Nozzle 20 mm - 0.79"		Nozzle 22 mm - 0.87"		Nozzle 24 mm - 0.94"		Nozzle 26 mm - 1.02"		Nozzle 28 mm - 1.10"	
	Flow	Radius	Flow	Radius	Flow	Radius	Flow	Radius	Flow	Radius	Flow	Radius	Flow	Radius	Flow	Radius	Flow	Radius
bar	m ³ /h	m	m ³ /h	m	m ³ /h	m	m ³ /h	m	m ³ /h	m	m ³ /h	m	m ³ /h	m	m ³ /h	m	m ³ /h	m
2,0	7,8	24,2	10,6	26,5	13,8	28,9	17,5	29,1	21,7	29,4	26,1	29,8	31,1	30,2	36,7	30,6	42,3	30,9
2,5	8,7	26,8	11,9	29,0	15,4	31,3	19,5	32,5	24,2	33,8	29,2	34,4	34,7	35,1	41,0	35,8	47,3	36,5
3,0	9,6	29,4	13,0	31,6	16,9	33,7	21,4	35,9	26,5	38,2	31,9	39,1	38,0	39,9	44,9	41,0	51,8	42,1
3,5	10,3	31,2	14,1	33,3	18,2	35,5	23,1	37,9	28,7	40,4	34,5	41,6	41,1	42,9	48,5	44,4	56,0	45,9
4,0	11,1	32,9	15,1	35,1	19,5	37,3	24,7	39,9	30,7	42,5	36,9	44,2	43,9	45,8	51,8	47,8	59,8	49,7
4,5	11,7	33,9	16,0	36,2	20,7	38,6	26,2	41,2	32,5	43,9	39,1	45,7	46,6	47,6	55,0	49,8	63,5	52,0
5,0	12,4	34,8	16,8	37,3	21,8	39,8	27,6	42,5	34,3	45,2	41,2	47,3	49,1	49,3	58,0	51,8	66,9	54,3
5,5	13,0	35,7	17,7	38,4	22,9	41,1	29,0	43,8	35,9	46,5	43,2	48,7	51,5	50,9	60,8	53,5	70,2	56,2
6,0	13,5	36,6	18,4	39,5	23,9	42,4	30,3	45,0	37,5	47,7	45,2	50,1	53,8	52,5	63,5	55,3	73,3	58,1
6,5	14,1	37,4	19,2	40,4	24,9	43,3	31,5	46,0	39,1	48,7	47,0	51,2	56,0	53,7	66,1	56,5	76,3	59,3
7,0	14,6	38,2	19,9	41,2	25,8	44,2	32,7	46,9	40,6	49,7	48,8	52,3	58,1	54,9	68,6	57,7	79,2	60,6

P.S. The performance data were obtained under ideal testing conditions and may be adversely affected by wind and other factors. Pressure refers to pressure at nozzle. A lowered trajectory angle improves the irrigation efficiency in windy conditions. For every 3° drop of the trajectory angle the throw is reduced by approx. 3 to 4%.

To determine the throw data of above model used with an 18° trajectory angle and installed at the end of a pivot, apply a factor 0.82 to the throw data shown in the performance table.