



**NEW**

## TurboDrop® HiSpeed Standard

Asymmetric Double Flat Fan Venturi Nozzle made from Ceramic (coated with POM) for Standard Bayonet Nozzle Holders



G 1819



G 1820



G 1821



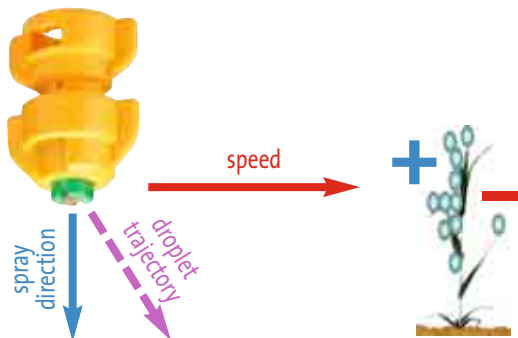
G 1822

TD HiSpeed 110-01	TD HiSpeed 110-015	TD HiSpeed 110-02	TD HiSpeed 110-025	TD HiSpeed 110-03	TD HiSpeed 110-04	TD HiSpeed 110-05	TD HiSpeed 110-06
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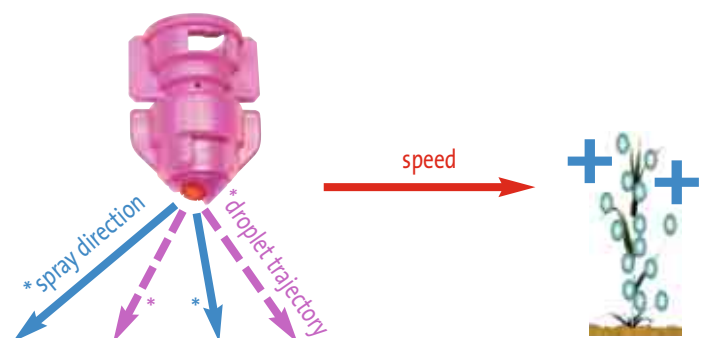
	Filter 50 M blau		Filter 24 M weiß
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Spray angle	Size	Pressure range	Boom level	Characteristics:
2 x 110°	ISO 015 bis 05	bar 2 bis 10	50 cm 40 bis 60 cm Orientation of spray patterns 50° 10°	<ul style="list-style-type: none"> <li>Asymmetric orientation of the two spray patterns, specially designed for higher application speeds</li> <li>Compact design</li> <li>High drift reduction maintaining excellent coverage</li> <li>Perfect for fungicide, insecticide and post-emergence treatments</li> <li>Best performance working pressure: 4–8 bar (60–120 psi)</li> <li>Ceramic parts made from strong, high quality pink ceramic</li> <li>Easy assembling and disassembling, even with gloves, no tools required</li> <li>Improved coverage of vertical and angular targets</li> </ul>
Application:				

## TurboDrop® TD



## TurboDrop® HiSpeed



**TurboDrop® HiSpeed – the innovative nozzle technology**

Using normal standard flat fan nozzles, the force from the driving speed deflects the downward oriented droplets forward to the driving direction of the sprayer. Therefore the droplet trajectory is forward angled and not straight downward. The coverage on the back side of the plant is always poor under this conditions. Higher sprayer speeds will step up this effect. Traditional double flat fan nozzles with the same forward and backward orientation of the spray pattern may be able to balance this for application speeds up to 7–8 km/h. The TurboDrop® HiSpeed with a high orientation of the backward pattern and a downward orientation of the forward pattern is specially designed for speeds higher than 8 km/h. Influenced by the driving speed, the trajectory of the droplets will be deflected in the way that the backward angle will decrease and the forward will increase. Perfect for a similar forward and backward angle to optimise the coverage of the plants.

## Universal application chart for boom sprayers at 50 cm nozzle spacing Nozzle size and colour according to ISO 10625 or equivalent

See our agrotop nozzle calculator  
in the internet [www.agrotop.com](http://www.agrotop.com)

Application rate l/ha													Flow rate l/min	Nozzle size ISO					
50	75	100	125	150	175	200	225	250	300	350	400	450		-015	-02	-025	-03	-04	-05
14.4	9.6	7.2	5.8	4.8									0.55						
15.6	10.4	7.8	6.2	5.2									0.60	3.0					
16.8	11.2	8.4	6.7	5.6	4.8								0.65	3.5					
18.0	12.0	9.0	7.2	6.0	5.1								0.70	4.1					
													0.75	4.7					
19.2	12.8	9.6	7.7	6.4	5.5	4.8							0.80	5.3	3.0				
20.4	13.6	10.2	8.2	6.8	5.8	5.1							0.85	6.0	3.4				
21.6	14.4	10.8	8.6	7.2	6.2	5.4	4.8						0.90	6.8	3.8				
22.8	15.2	11.4	9.1	7.6	6.5	5.7	5.1						0.95	7.5	4.2				
24.0	16.0	12.0	9.6	8.0	6.9	6.0	5.3	4.8					1.00	8.4	4.7	3.0			
	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0					1.05	9.2	5.2	3.3			
	17.6	13.2	10.6	8.8	7.5	6.6	5.9	5.3					1.10		5.7	3.6			
	18.4	13.8	11.0	9.2	7.9	6.9	6.1	5.5					1.15		6.2	4.0			
	19.2	14.4	11.5	9.6	8.2	7.2	6.4	5.8	4.8				1.20		6.7	4.3	3.0		
	20.0	15.0	12.0	10.0	8.6	7.5	6.7	6.0	5.0				1.25		7.3	4.7	3.3		
	20.8	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2				1.30		7.9	5.1	3.5		
	21.6	16.2	13.0	10.8	9.3	8.1	7.2	6.5	5.4				1.35		8.5	5.5	3.8		
	22.4	16.8	13.4	11.2	9.6	8.4	7.5	6.7	5.6	4.8			1.40		9.2	5.9	4.1		
	23.2	17.4	13.9	11.6	9.9	8.7	7.7	7.0	5.8	5.0			1.45		9.9	6.3	4.4		
	24.0	18.0	14.4	12.0	10.3	9.0	8.0	7.2	6.0	5.1			1.50			6.8	4.7		
		19.2	15.4	12.8	11.0	9.6	8.5	7.7	6.4	5.5	4.8		1.60			7.7	5.3	3.0	
		20.4	16.3	13.6	11.7	10.2	9.1	8.2	6.8	5.8	5.1		1.70			8.7	6.0	3.4	
		21.6	17.3	14.4	12.3	10.8	9.6	8.6	7.2	6.2	5.4	4.8	1.80			9.7	6.7	3.8	
		22.8	18.2	15.2	13.0	11.4	10.1	9.1	7.6	6.5	5.7	5.1	1.90				7.5	4.2	
		24.0	19.2	16.0	13.7	12.0	10.7	9.6	8.0	6.9	6.0	5.3	2.00				8.3	4.7	3.0
			20.2	16.8	14.4	12.6	11.2	10.1	8.4	7.2	6.3	5.6	2.10				9.2	5.2	3.3
			21.1	17.6	15.1	13.2	11.7	10.6	8.8	7.5	6.6	5.9	2.20					5.7	3.6
			22.1	18.4	15.8	13.8	12.3	11.0	9.2	7.9	6.9	6.1	2.30					6.2	4.0
			23.0	19.2	16.5	14.4	12.8	11.5	9.6	8.2	7.2	6.4	2.40					6.7	4.3
			24.0	20.0	17.1	15.0	13.3	12.0	10.0	8.6	7.5	6.7	2.50					7.3	4.7
				20.8	17.8	15.6	13.9	12.5	10.4	8.9	7.8	6.9	2.60					7.9	5.1
				21.6	18.5	16.2	14.4	13.0	10.8	9.3	8.1	7.2	2.70					8.5	5.5
				22.4	19.2	16.8	14.9	13.4	11.2	9.6	8.4	7.5	2.80					9.2	5.9
				23.2	19.9	17.4	15.5	13.9	11.6	9.9	8.7	7.7	2.90					9.9	6.3
				24.0	20.6	18.0	16.0	14.4	12.0	10.3	9.0	8.0	3.00						6.7
					21.3	18.6	16.5	14.9	12.4	10.6	9.3	8.3	3.10						7.2
					21.9	19.2	17.1	15.4	12.8	11.0	9.6	8.5	3.20						7.7
					22.6	19.8	17.6	15.8	13.2	11.3	9.9	8.8	3.30						8.2
					23.3	20.4	18.1	16.3	13.6	11.7	10.2	9.1	3.40						8.7
					24.0	21.0	18.7	16.8	14.0	12.0	10.5	9.3	3.50						9.2
						21.6	19.2	17.3	14.4	12.3	10.8	9.6	3.60						9.7

Data measured with water at 20°C, pressure directly at the nozzle. Check application rate before spraying.

--- E.g.: 150 l/ha at 16.0 km/ha requires a flow rate of 2.00 l/min at each nozzle, which can be obtained by setting pressure at 8.3 bar for nozzle size -03; 4.7 bar for size -04; 3.0 bar for size -05

