Spray Tip Data Sheet

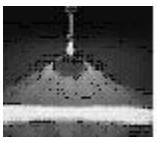
RULE OF THUMB: Spray pattern will decrease with increase in viscosity and surface tension.

Pattern quality improves with increase of pressure.

Flat Spray Pattern


Angle	Dimensions	Description
110°	17" x 2"	6" away from stock, spraying straight down. If nozzle is angled, pattern is broader. If nozzle is further away, pattern is longer.
80°	10" x 2"	See Above
50°	5.6" x 1.75”	See Above
25°	2.7" x 1"	See Above

Flat Tapered Edge Spray Pattern – Provides a wide angle Flat Spray pattern



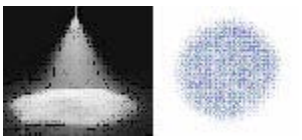

Angle	Dimensions	Description
90°	15" x 2"	TK1.5 Deflected Fan 90* Fan pattern sprays out the side of the nozzle.

Solid Stream Pattern – Provides a solid stream of lubricant for precise spot spraying.

Dimensions	Description
1/2" round	.0003 Pin Point 1/2" round when 6” away from stock with pump at 1/2 or greater lubricant capacity. Orifice opening is .047.

Dimensions	Description
1/2" round	.0001 Pin Point 1/2" round when 6” away from stock with pump at 1/2 or greater lubricant capacity. Orifice opening is .028.

Full Cone Spray Pattern – All cone tips will produce a 5” pattern at full lubricant capacity. Adjust pump volume to reduce pattern as small as ½” at 2” away from stock (with TG0.3). The smaller the pattern you desire, the smaller the orifice you will need.



Dimensions	Description
5" round	TG2 Full Cone 5” round when 6” away from stock with pump at full lubricant capacity. Orifice opening is .047.

Dimensions	Description
4" round	TG1 Full Cone 4” round when 6” away from stock with pump at 3/4 lubricant capacity. Orifice opening is .036.

2" round	TG0.7 Full Cone 2” round when 6” away from stock with pump at 1/2 lubricant capacity. Orifice opening is .030.
1" round	TG0.5 Full Cone 1” round when 6” away from stock with pump at 1/4 lubricant capacity. Orifice opening is .024.
1/2" round	TG0.3 Full Cone 1/2" round when 6” away from stock with pump at 1/8 lubricant capacity. Orifice opening is .020.

Note:
Any cone pattern spray tip should NOT be used in an application where a straight oil product is being used. The reason for this, the design of the spray tip does not allow the straight oil to dispense in a swirling motion, leaving it a stream type pattern. Factory recommendation is that a fan pattern spray tip be used with a straight oil product.