







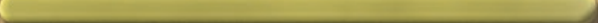



Call us at 800-642-7876

NOZZLE CHOICE = ADHESIVE COST

Are you using your adhesive efficiently? How much of it is going to waste?

Precision manufacturing and Strict quality control are why Astro Packaging nozzles provide reliable and consistent performance time and time again!

Not all Hot Melt nozzles are the same. Choose Astro Packaging for a product you can trust!

BEAD LENGTH 3" (7.62 cm)	BEAD DIAMETER	ADHESIVE COST
	1/16 in. dia. = 2,982 ft/lb (35,783 in/lb) 1.59 mm dia. = 2,004 m/kg (200 cm/g)	\$86.25
	5/64 in. dia. = 1,908 ft/lb (22,898 in/lb) 1.98 mm dia. = 1,282 m/kg (128 cm/g)	\$133.76
	3/32 in. dia. = 1,325 ft/lb (15,903 in/lb) 2.38 mm dia. = 891 m/kg (89 cm/g)	\$193.26
	7/64 in. dia. = 974 ft/lb (11,683 in/lb) 2.78 mm dia. = 654 m/kg (65 cm/g)	\$263.68
	1/8 in. dia. = 745 ft/lb (9,946 in/lb) 3.18 mm dia. = 501 m/kg (50 cm/g)	\$345.02
	5/32 in. dia. = 477 ft/lb (5,725 in/lb) 3.97 mm dia. = 321 m/kg (32 cm/g)	\$537.73
	3/16 in. dia. = 331 ft/lb (3,976 in/lb) 4.76 mm dia. = 223 m/kg (22 cm/g)	\$773.03
	7/32 in. dia. = 243 ft/lb (2,921 in/lb) 5.56 mm dia. = 164 m/kg (16 cm/g)	\$1,054.71

Note: Calculations are based on a hotmelt specific gravity of 0.84 gm/cm³, 7.01 lb/gal at 350°F (0.84 kg/l at 177°C) using a compensated geometry bead of 0.54 of a half-round circle.

4 beads per product @50 products/min, 40/hrs per week. Adhesive @ \$2.00/lb

ASTRO PACKAGING
3845 E. Miraloma Ave, Unit "A"
Anaheim, CA 92806
800-642-7876 / 714-572-1094
FAX 714-572-1943
www.ASTROPACKAGING.com





Call us at 800-642-7876

BEAD VOLUME



Inconsistent bead size resulting from poor nozzle quality can cause variations from 1/16" to 1/8" and use 4 times as much adhesive!

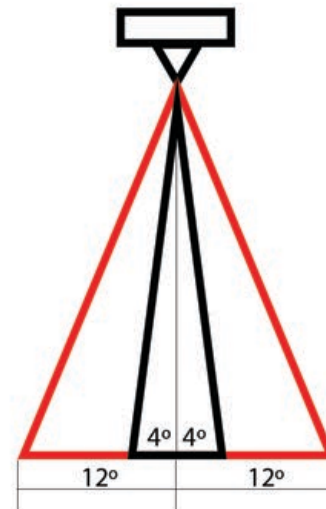
Other nozzles of lower quality put the wrong amount of adhesive on your products, costing you money.

- Inconsistent adhesive bead size = waste, squeeze out, scrap.

GENUINE ASTRO PACKAGING PRECISION NOZZLES DELIVER:

- Precision placement and cut-off of adhesive eliminates waste and saves you money.
- We offer the best accuracy within $\pm 4^\circ$ from centerline versus $\pm 12^\circ$ from competitors.
- Precision manufacturing and quality control ensure consistent performance.
- Reduced scrap, dependable bond quality, reduced downtime and correct nozzle size.

BEAD PLACEMENT



ASTRO PACKAGING
3845 E. Miraloma Ave, Unit "A"
Anaheim, CA 92806
800-642-7876 / 714-572-1094
FAX 714-572-1943
www.ASTROPACKAGING.com



Lit-13-538

MADE WITH PRIDE IN THE U.S.A.