

PLANNING SHEET FOR SLOT AND RIBBON NOZZLES

Slot Nozzles are used with hot melt or cold adhesives, and generally make contact with a moving web or carton, to apply a thin film of greater width than that applied by extrusion nozzles.

Adhesive is applied under pressure, thru a thin slot of specified width. The width of the slot is usually the same as the required width of the adhesive. The thickness of the slot, combined with the speed of the substrate, determines the amount of adhesive, or film thickness laid down.

Normal construction is of aluminum, with wear plates of hardened tool steel.

Usually the edges of the pattern are well defined, but start and stop edges may be a little ragged.

Although there are some slot nozzles that can be considered as standard, they are usually made to meet a users exact requirements.

To specify a nozzle, proceed as shown. Assume that a nozzle with a slot 1.125 wide, .005 thick, and a 1/2-28 lock ring is required.

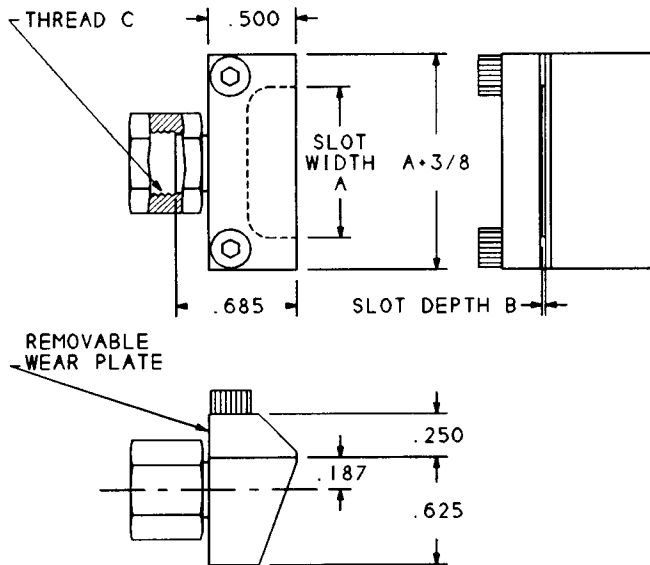
SELECTION PROCEDURE

1. Specify basic type
2. Specify digit for lock ring
3. Specify slot width
4. Specify slot thickness
5. Order by this number

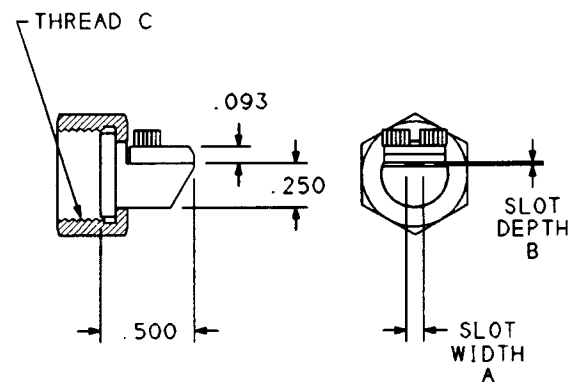
EXAMPLE

47100
471003
471003-1.125
471003-1.125-.005
471003-1.125-.005

LOCKNUTS	
THREAD	2nd DIGIT
3/8-24	1
1/2-24	2
1/2-28	3
7/16-20	4
11/16-16	5
OTHER	6



FOR SLOTS MORE THAN
.250 WIDE
BASIC #47105



FOR SLOTS UP TO
.250 WIDE
BASIC #47100

TYPICAL STANDARDS

BASIC NUMBER	LOCK RING THREADS	SLOT WIDTH A	SLOT THICKNESS B	STANDARD PART NUMBER
47100	3/8-24 (1)	.093	.005	471001-093-005
47100		.250	.005	471001-250-005
47105	1/2-28 (3)	1.875	.010	471053-1.875-010
47105	11/16-16 (5)	.875	.006	471056-875-006