

Standardized Brass Eyelets & Fastener Tools

Inch

Cillets en laiton standardisés et outils de fixation

Pouce

APPLICATION OF EYELETS REQUIRES HAND PRESS, DIES (MALE & FEMALE) AND POSSIBLE ARBOR ADAPTOR

1 EYELET HAND PRESS

SPAENAUR No.
876-830



PKG
QTY.
1



(Dies not included.)

Accepts Dies having 3/8" Shank Dia.
Complete Hand Press information on page M26.

Die sets T-211 to T-217 may be used with
876-830 Hand Press.

2 EYELETING DIES FOR BRASS EYELETS

DIES WITH 5/16" ARBORS.

Die Set No.	For Eyelet Dia.
T-234-2	2/32" (.059")
T-234-3	3/32" (.089")
T-234-4	4/32" (.121")
T-234-5	5/32" (.152")
T-234-7	7/32" (.215")
T-234-8	8/32" (.246")

DIES WITH 5/16" ARBORS, AND 3/8" ADAPTERS.

Die Set No.	For Eyelet Dia.
T-211	2/32" (.059")
T-212	3/32" (.089")
T-213	4/32" (.121")
T-214	5/32" (.152")
T-215	6/32" (.183")
T-216	7/32" (.215")
T-217	8/32" (.246")

Sold in Complete Sets Only. (Male and Female Dies)

3 ARBOR ADAPTERS

PKG QTY. 1

Arbor adaptor required for 5/16" eyelet diameter

- T-194A-M (Male) Converts 5/16" to 3/8"
- T-194A-F (Female) Converts 5/16" to 3/8"

HOW TO SELECT E EYELETS

A. DETERMINE GRIP

Eyelet grip is the thickness which can be held between the flange and the setting and will vary with the materials being eyeleted. Maximum grips listed in the chart are based on test settings made in metal panels and are intended only as a guide for your use. It is recommended that sample settings be made for each new application. To determine the grip, measure the total thickness of the materials to be eyeleted. Locate the corresponding grip in the chart. Reading to the right will identify the various standard E Eyelets which will provide the desired grip.

Example: Assume the material(s) to be eyeleted have a total work thickness of .175". Reading vertically down the DESIRED GRIP column locate the nearest standard grip figure which is .176". Now reading horizontally to the right, identify the various E Eyelets which will provide the required grip, that is E27, E38, E48, E58, E68, E78 and E88.

B. DETERMINE EYELET SIZE

With a possible selection of three or more eyelet sizes available for a given grip, the function of the eyelet will help determine the eyelet diameter to be used. Will the eyelet be subjected to tensile or shear stresses, is the size of the hole to receive the eyelet already established, is the inside diameter critical because something will be passed through the eyelet, or will the eyelet be used as a decoration and size becomes an aesthetic decision?

C. DETERMINE WORKING DIMENSIONS

Eyelet dimensions and required hole sizes are all identified for your convenience.


DESIRED GRIP	E EYELET SIZES					
	E-22	E-23	E-24	E-25	E-26	E-27
.020						
.035		E-33	E-43		E-53	E-63
.040						
.045						
.051					E-54	E-64
.067		E-34	E-44			
.072						
.077						
.082						
.098		E-39	E-45		E-55	E-65
.103						
.108						
.113					E-56	E-66
.129		E-36	E-46			
.134						
.139						
.144						
.161					E-57	E-67
.166		E-37	E-47			
.171						
.176					E-58	E-68
.192		E-38	E-48			
.197						
.202						
.203					E-59	E-69
.228		E-39	E-49			
.233						
.254					E-570	E-610
.259		E-310	E-410			
.264						
.286						
.290		E-311	E-411		E-511	E-611
.291						
.317						
.322						E-612
.328						
.348			E-412			
.353					E-613	
						E-812
						E-813

Inch

Eyelets

Pouce

Œillets

 <p>Rolled Flange Style</p>		<p>Length under Flange</p>	(A) - Drill Size		(B) - Flange Dia.		(C) - Barrel O.D.		
			(A) 1/16"	3/32"	1/8"	5/32"	3/16"	7/32"	1/4"
			(B) 0.105"	0.150"	0.200"	0.245"	0.290"	0.340"	0.385"
			(C) .059"	.089"	.121"	.152"	.183"	.215"	.246"
ORDER BY SPAENAUR NUMBERS LISTED BELOW.									
<p>Adaptable as rivets, reinforcements, pivots, bushings, vents, etc. Widely used in electronics parts assemblies.</p> <p>PKG QTY. 100</p>		2/32" .062"	E-22						
		3/32" .093"	E-23	E-33	E-43	E-53	E-63	E-73	E-83
		4/32" .125"	E-24	E-34	E-44	E-54	E-64	E-74	E-84
		5/32" .156"	E-25	E-39	E-45	E-55	E-65	E-75	E-85
		6/32" .187"	E-26	E-36	E-46	E-56	E-66	E-76	E-86
		7/32" .218"	E-27	E-37	E-47	E-57	E-67	E-77	E-87
		8/32" .250"		E-38	E-48	E-58	E-68	E-78	E-88
		9/32" .281"		E-39	E-49	E-59	E-69	E-79	E-89
		10/32" .312"		E-310	E-410	E-510	E-610	E-710	E-810
		11/32" .343"			E-411	E-511	E-611	E-711	E-811
12/32" .375"	<p>E EYELETS TOLERANCES: Barrel Diameter ± .002", Length Under Flange ± .005", Flange Diameter ± .005"</p>		E-412		E-612	E-712	E-812		
13/32" .406"	<p>These eyelet numbers are descriptive. For example: In E-59, the E means Standardized Eyelet. The first numeral (5) indicates Barrel Diameter (5/32"). The following numeral (9) or numerals indicate Barrel Length (9/32").</p>				E-613		E-813		

See the "HOW TO SELECT E EYELETS" chart on facing page.

<p>SPECIAL SIZE EYELETS</p> <p>PKG QTY. 100</p>	SPAENAUR	Material	Finish	O.D.	Barrel Length	Flange Dia.	Remarks
	GE-28	Brass	Plain	11/64"	7/8"	3/8"	Flat Flange
	104-C02-1T	Aluminum	Plain	9/32"	3/16"	1/2"	
<p>See page M30 for additional styles.</p>							

EYELETING DIE SETS FOR BRASS EYELETS, ARBOR ADAPTERS, and 876-830 HAND PRESS shown on facing page. Complete Hand Press information on page M26.



CATALOG 14 SPAENAUR