

NMC

FLIP GROMMET



NMC Flip Grommet

NMC manufactures “flip” grommets to the NAS 1368 standard, for use in a variety of applications in the aerospace, industrial, and automotive industries. They are used to protect wire, cable, and tubing passing through holes in bulkheads, frames and other structures. These grommets provide economical chafe protection with low labor costs, and can also be used as a bushing or bearing in low PV applications.

A flip grommet is inserted into a hole, then a forming die is placed on each side of the structure. The die sections are drawn together, forming a flange on the open side to a point where the skirt of the grommet “flips” over itself, creating a flange on both sides of the structure.

The die sections can be attached to a toggle type clamp, a pneumatic tool, or simple bolt and nut through the center. Many companies have developed unique tools to speed application or access difficult areas.

The key to successful application of the flip grommet is to select the correct grommet size for the application and the structure thickness. This information is defined in the drawings and tables in this document.



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ISO 9100-2000 • AS9100B

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Table I – ID up to 1½” – For length code, see Table III

PART NO.	G	STRUCTURE	W	H	J DIA	K	T _A	T _B	T _C	T _D	T	
NAS-1368	DIA NOM	HOLE DIA (REF) +.010 / -.005	±.003	DIA.	±.005	APPROX.	±.005	±.005	±.005	±.005	NOM. WT. # / 1000	
-3	.188	.313	.058	.305	±.003	.100	.235	.295	.360	.420	1.1	
-4	.250	.375		.367							.567	1.3
-6	.375	.500		.492							.692	1.8
-8	.500	.625		.615							.815	2.2
-10	.625	.781	.083	.771	±.005	.120	.275	.335	.400	.460	3.0	
-12	.750	.906		.896							1.096	3.6
-14	.875	1.031		1.021							1.221	4.3
-16	1.000	1.188		1.178							1.378	5.7
-18	1.125	1.313	.104	1.303	1.503	.120	.275	.335	.400	.460	6.4	

Table II – ID 1½” and larger – For length code, see Table IV

PART NO.	G	STRUCTURE	W	H	J DIA	K	T _F	T _H	T _K	T _L	T	
NAS-1368	DIA NOM	HOLE DIA (REF) +.010 / -.005	±.003	DIA.	±.005	APPROX.	±.005	±.005	±.005	±.005	NOM. WT. # / 1000	
-20	1.250	1.438	.104	1.428	±.005	.120	.275	.335	.400	.460	7.2	
-22	1.375	1.563		1.548							1.748	7.7
-24	1.500	1.688		1.673							1.873	8.3
-28	1.750	1.938		1.923							2.123	9.7
-32	2.000	2.188	2.173	2.373	2.373	10.7						

Table III

LENGTH CODE LETTER	T	NOMINAL STRUCTURE THICKNESS (REF) -3 TO -18
-A	T _A	.025 to .080
-B	T _B	.081 to .140
-C	T _C	.141 to .200
-D	T _D	.201 to .250

Table IV

LENGTH CODE LETTER	T	NOMINAL STRUCTURE THICKNESS (REF) -20 TO -32
-F	T _F	.025 to .040
-H	T _H	.041 to .091
-K	T _K	.092 to .160
-L	T _L	.161 to .220

MATERIAL:

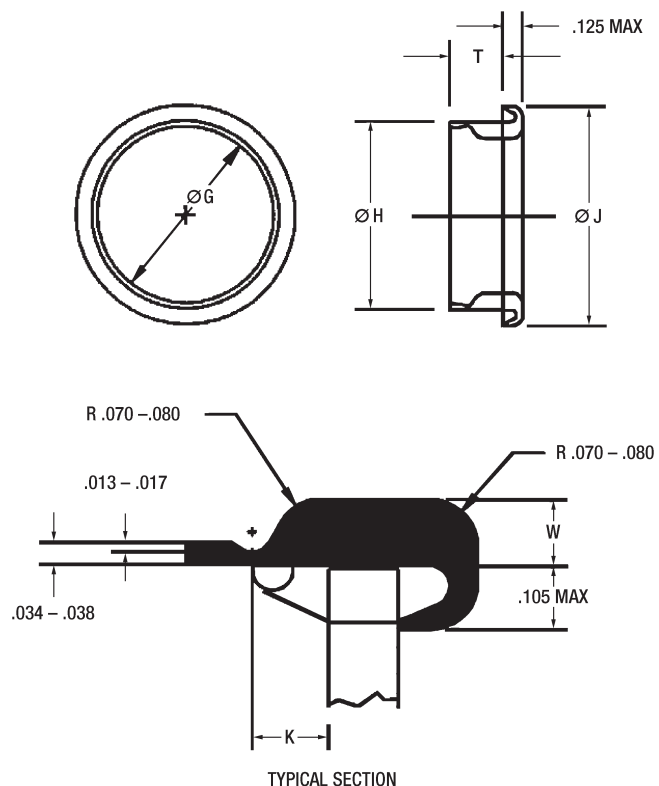
Nylon 6/6 PER L-P-410
Self-extinguishing without fillers

COLOR:

Natural

CONFORMS TO:

Not all size combinations are available.



For more information call toll free: (800) 321-1243 or visit our website at www.nmcgroup.com