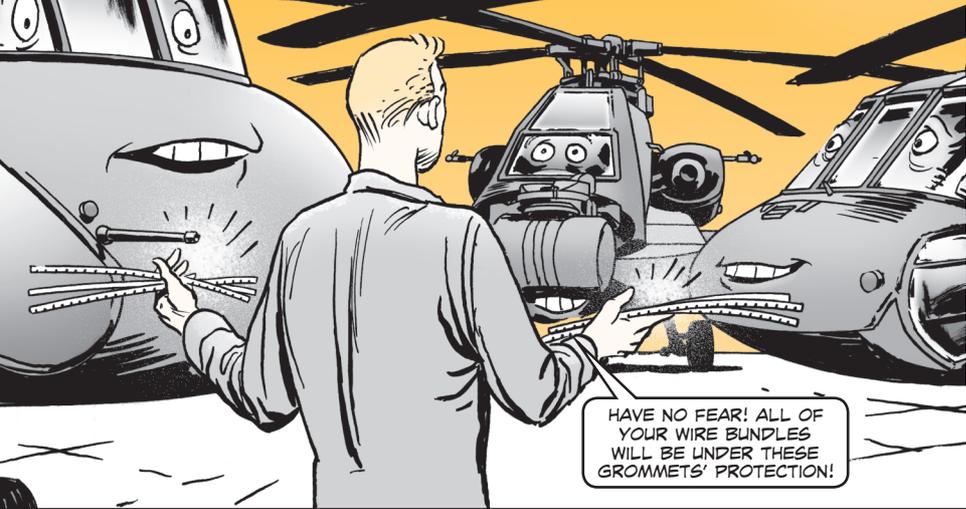


# Protecting Aircraft Wire Bundles



HAVE NO FEAR! ALL OF YOUR WIRE BUNDLES WILL BE UNDER THESE GROMMETS' PROTECTION!

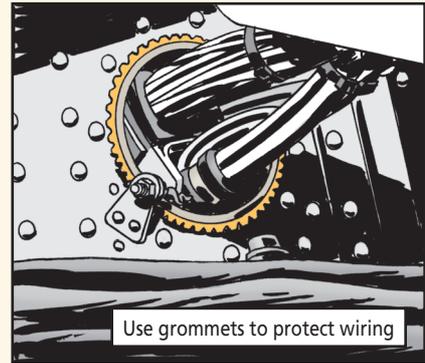


MECHANICS, WIRE CHAFING IN THE CHINOOK, BLACK HAWK AND AH-64 AIRCRAFT IS NOT UNUSUAL.

A LOT OF CHAFING IS CAUSED BY AIRCRAFT VIBRATION.

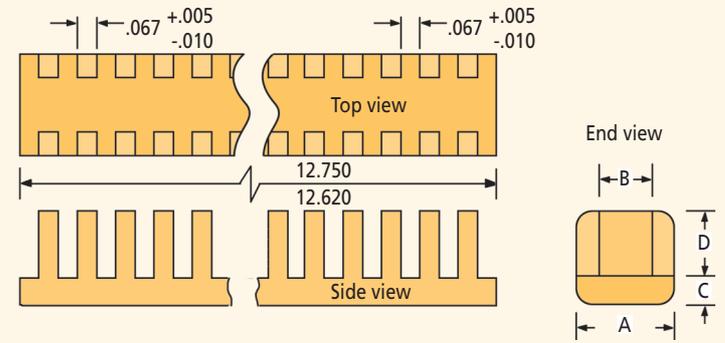
THE QUESTION FOR MECHANICS IS HOW CAN YOU REDUCE WIRE CHAFING?

Wiring and wire bundles are found passing through bulkheads, against kick plates and wrapped against metal lips, ledges and framing. One way to protect wires is to use non-metallic nylon edging grommets.



Use grommets to protect wiring

When applying grommets, make sure there are no sharp edges and burrs. Use edging grommets for odd shaped holes in addition to the circular hole sizes shown in the table below. Keep in mind that the maximum allowable end gap after edging is installed flush against the hole periphery is .025 inches. When positioning grommets in odd shaped holes, apply Armstrong-type A-12 adhesive cement, NSN 8040-00-068-8668, or equivalent to the cleaned edges of the material and the grommet.



ORDER THE RIGHT SIZE GROMMET TO FIT YOUR AIRCRAFT USING THIS TABLE...

Dash No.	NSN 5325-00-	Sheet Thickness (Ref)	A + .015 - .005	B + .015 - .005	C + .015 - .005	D + .020 - .005
(-1)	960-2410	.015-.052	.150	.056	.055	.100
(-2)	074-3301	.052-.085	.175	.090	.055	.100
(-3)	926-1394	.085-.128	.220	.131	.055	.100
(-4)	923-9512	.128-.192	.325	.195	.070	.160
(-5)	783-4754	.192-.255	.385	.260	.070	.170
(-6)	783-4753	.255-.318	.445	.320	.075	.180
(-7)	238-6037	.318-.380	.515	.390	.075	.180
(-8)	946-4275	.380-.510	.640	.515	.075	.180



HERE'S A GUIDE TO HOW LONG A GROMMET YOU'LL NEED FOR DIFFERENT SIZE HOLES.

Structural Hole Dia (in)	Length of Grommet (in)
1.000	3.141
1.125	3.534
1.250	3.927
1.375	4.319
1.500	4.712
1.625	5.105
1.750	5.497
1.875	5.890
2.000	6.283

ALL DETAILS CAN BE FOUND IN SPECIFICATION MIL-DTL-22529.

