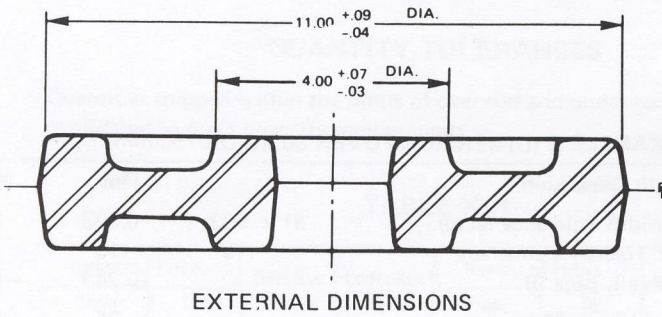


Fig. 3



METRIC CONVERSION	
INCH	mm
.03	.8
.04	1.1
.07	1.8
.09	2.3
4.00	101.6
11.00	279.4

COMPUTATION EXTERNAL DIMENSIONS
MATERIAL: CARBON STEEL

EXAMPLE 5
(SEE FIGURE 3)

		Tolerance on External Dimension	Plus	Minus
INCH	Diameter x Length/Width Tolerance factor	= 11 x 0.003 =	0.033	0.033
	Diameter x Die Wear Tolerance factor (Table I, page 9)	= 11 x 0.005 =	0.055	----
			+0.088	-0.033
	Raised to the next highest .01 in.		+ .09	- .04
METRIC	Diameter (mm) x Length/Width Tolerance factor	= 279.4 x 0.003 =	0.839	0.839
	Diameter (mm) x Die Wear Tolerance factor (Table I, page 9)	= 279.4 x 0.005 =	1.397	----
			+2.236	-0.839
	Raised to the next highest .1 mm		+2.3	-0.9*

*Variance due to rounding

EXAMPLE 6
(SEE FIGURE 3)

		Tolerance on External Dimension	Plus	Minus
INCH	Diameter x Length/Width Tolerance factor	= 4 x 0.003 =	0.012	0.012
	Largest Diameter x Die Wear Tolerance factor (Table I, page 9)	= 11 x 0.005 =	0.055	----
			+0.067	-0.012
	Raised to the next highest .01 in.		+0.07	-0.02
	Minimum Tolerance (paragraph 2, page 8)			-0.03
METRIC	Diameter x Length/Width Tolerance factor	= 101.6 x 0.003 =	0.305	0.305
	Largest Diameter x Die Wear Tolerance factor (Table I, page 9)	= 279.4 x 0.005 =	1.397	----
			+1.702	-0.305
	Raised to the next highest .1 mm		+1.8	-0.3
	Minimum Tolerance (paragraph 2, page 8)			-0.8