



STANDARDS SHEET

THE DESIGN STANDARD SPECIFIES THE REQUIREMENTS FOR THE PRESS AND SHRINK FIT INSTALLATION OF CSP438 AND CSP439 BUSHINGS.

CSP438 AND CSP439 BUSHINGS, WITH OVERSIZE OUTSIDE DIAMETER, ARE ONLY USED FOR SALVAGING COMPONENTS WHOSE HOLES INTENDED FOR FOLLOWING NAS BUSHINGS ARE INADVERTENTLY MADE OVERSIZE.

TYPE	STANDARD BUSHING	OVERSIZE BUSHING	AMOUNT OF OVERSIZE
PLAIN	NAS75 NAS76	CSP438	1/64 (-3 THRU -12) &
FLANGED	NAS77	CSP439	1/32 (-14 & LARGER)

BUSHING [△]		HOLE DIAMETER		INTERFERENCE	
DASH NO.	OUTSIDE DIAMETER	DECIMAL	FRACTION (REF)	MIN.	MAX.
-3	.3295 +.0000 -.0005	.3281 -.0000 +.0006	21/64	.0003	.0014
-4	.3920 +.0000 -.0005	.3906 -.0000 +.0006	25/64	.0003	.0014
-5	.4546 +.0000 -.0005	.4531 -.0000 +.0007	29/64	.0003	.0015
-6	.5173 +.0000 -.0007	.5156 -.0000 +.0007	33/64	.0003	.0017
-7	.5799 +.0000 -.0007	.5781 -.0000 +.0007	37/64	.0004	.0018
-8	.6425 +.0000 -.0008	.6406 -.0000 +.0007	41/64	.0004	.0019
-9	.7052 +.0000 -.0010	.7031 -.0000 +.0007	45/64	.0004	.0021
-10	.8303 +.0000 -.0010	.8281 -.0000 +.0008	53/64	.0004	.0022
-11	.8929 +.0000 -.0010	.8906 -.0000 +.0008	57/64	.0005	.0023
-12	.9554 +.0000 -.0010	.9531 -.0000 +.0008	61/64	.0005	.0023
-14	1.0961 +.0000 -.0010	1.0938 -.0000 +.0008	1-3/32	.0005	.0023
-16	1.2212 +.0000 -.0010	1.2188 -.0000 +.0008	1-7/32	.0006	.0024
-18	1.3464 +.0000 -.0010	1.3438 -.0000 +.0010	1-11/32	.0006	.0026
-20	1.4715 +.0000 -.0010	1.4688 -.0000 +.0010	1-15/32	.0007	.0027
[△] CSP 438 AND CSP 439 OVERSIZE BUSHINGS USE THE SAME DASH NUMBERS, AS CORRESPONDING NAS 75, 76 AND 77 BUSHINGS.					

DRAWN	P LAM	CLASSIFICATION	STANDARD
CHECKED	KROMKAMP	Dimensions - Installation of Oversize Bushings	DS 108
STRESSED	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>		

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