

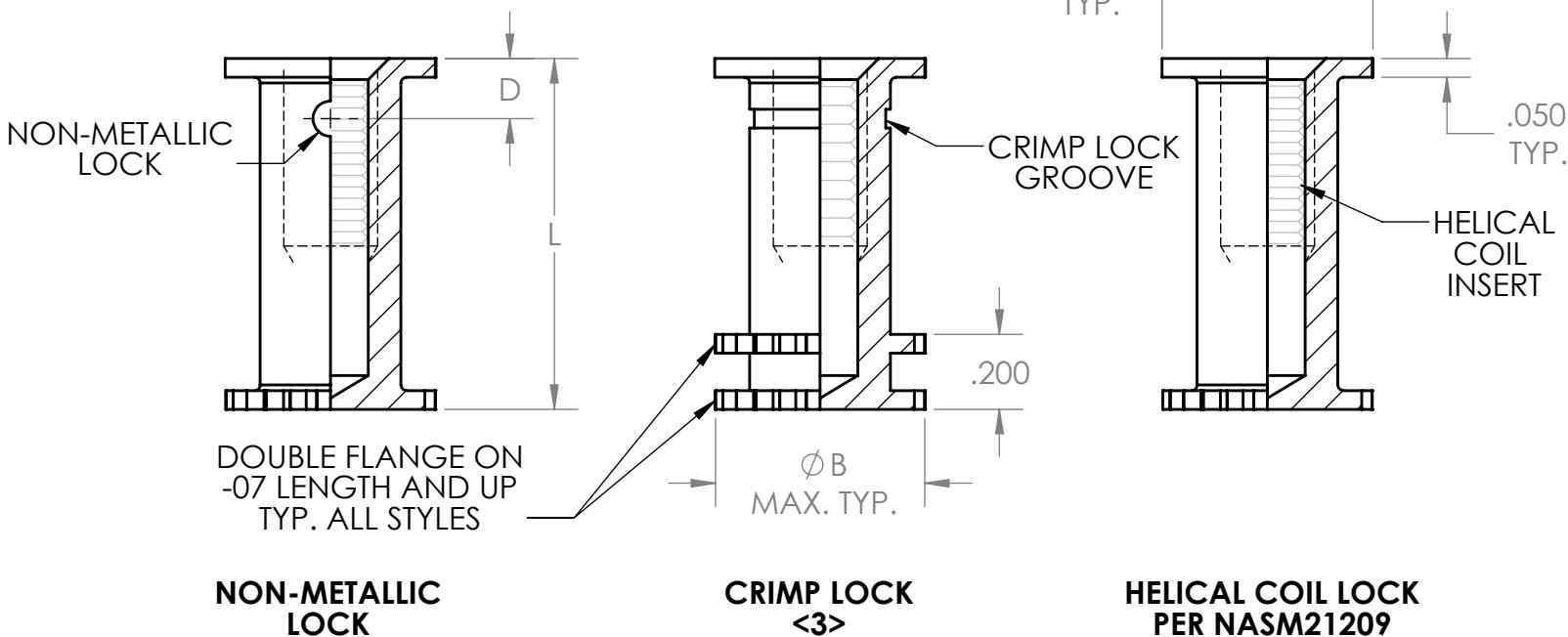
2253H

2253HE

INSERT, POTTED-IN BLIND THREADED

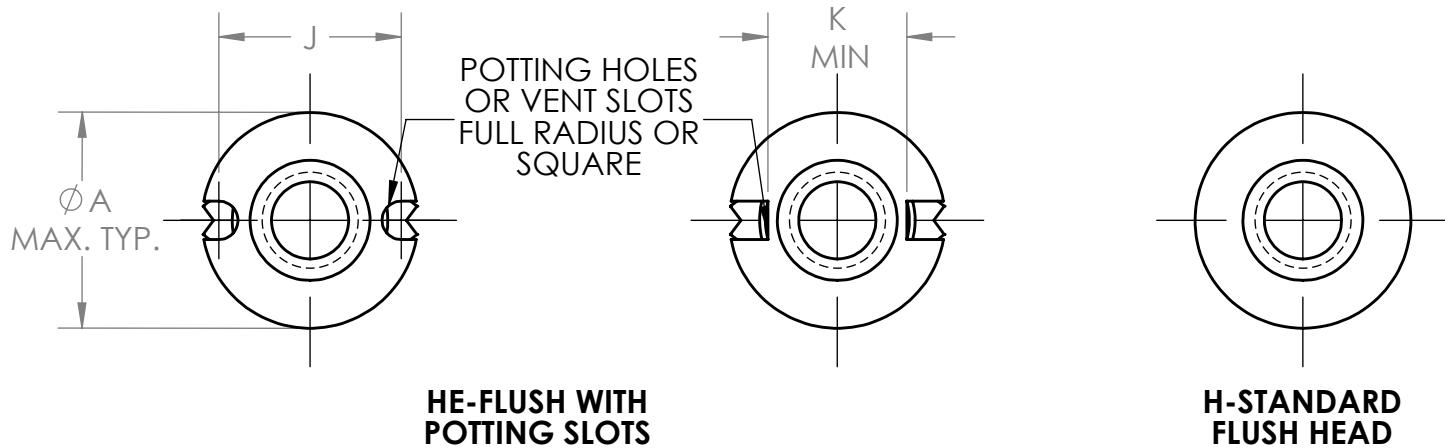
CROSS REFERENCE

| WITTEN | STANDARDS/OTHER | SHUR-LOK | THE YOUNG ENGINEERS | ALCOA/TRIDAIR |
|-----------------|-----------------|----------|------------------------|---------------|
| 2253H 2253HE | | | TYE1400 TYE1400H | 400H 400HE |

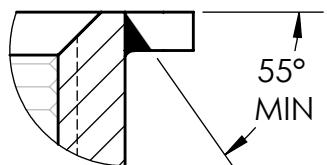


HEAD STYLES:

SLOT STYLE AT MFG OPTION

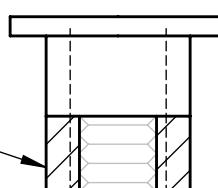


DETAIL SLOT OPTION



OPTION FOR SHORT PARTS:

SHORT LENGTH INSERTS MAY INCORPORATE SAME MATERIAL AND FINISH SHIM OR DISK TO PROVIDE FULL THREADS



2253H

2253HE

INSERT, POTTED-IN BLIND THREADED

CROSS REFERENCE

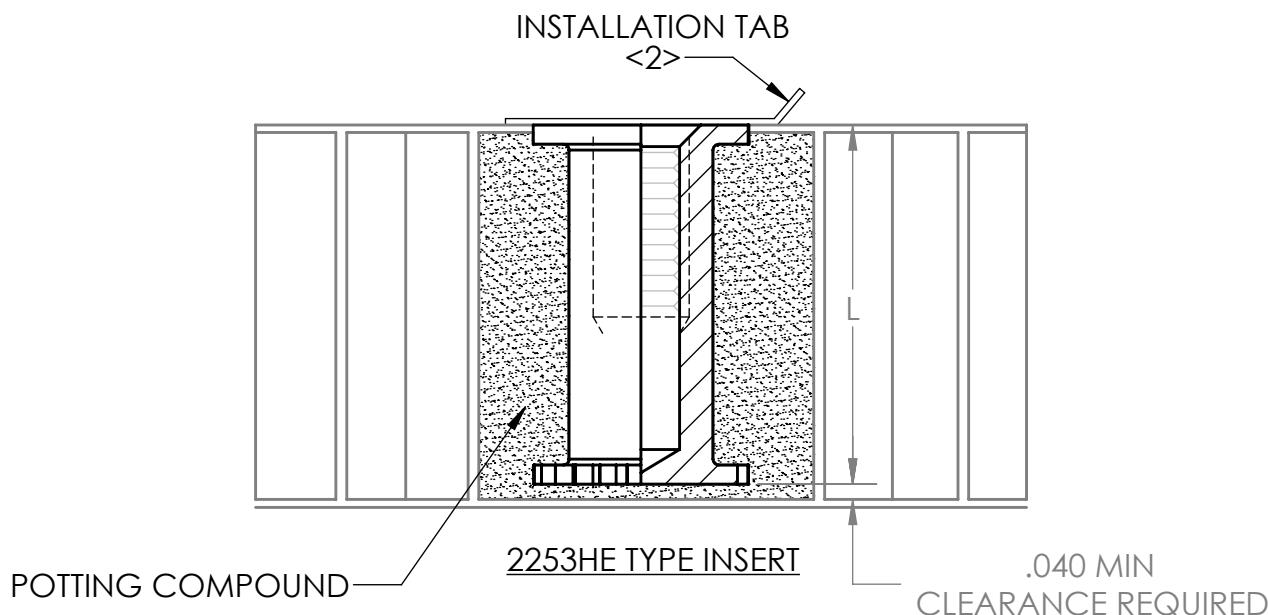
| WITTEN | STANDARDS/OTHER | SHUR-LOK | THE YOUNG ENGINEERS | ALCOA/TRIDAIR |
|-----------------|-----------------|----------|---------------------|---------------|
| 2253H 2253HE | | | TYE1400 TYE1400H | 400H 400HE |

TABLE 1

| SIZE | THREAD | A DIA MAX | B DIA MAX | C DIA REF | D | J | K MIN | INSTALLATION TAB NO. | INSTALLATION DRILL DIA. .005 -.000 |
|------|--------------------|-----------------|-----------------|-----------------|------|------|----------|-------------------------|---|
| 440 | .1120-40 UNJC - 3B | .374 | .322 | .195 | .100 | .280 | .173 | 2007-280 | .375 |
| 632 | .1380-32 UNJC - 3B | .436 | .385 | .230 | .120 | .343 | .236 | 2007-343 | .437 |
| 832 | .1640-32 UNJC - 3B | .499 | .447 | .290 | .120 | .405 | .298 | 2007-405 | .500 |
| 1032 | .1900-32 UNJF - 3B | .499 | .447 | .290 | .120 | .405 | .298 | 2007-405 | .500 |
| 428 | .2500-28 UNJF - 3B | .561 | .510 | .353 | .140 | .467 | .360 | 2007-467 | .562 |
| 524 | .3125-24 UNJF - 3B | .686 | .635 | .460 | .150 | .591 | .484 | 2007-591 | .687 |
| 624 | .3750-24 UNJF - 3B | .811 | .697 | .550 | .160 | .718 | .611 | 2007-718 | .812 |

GENERAL NOTES:

1. BURRS PERMISSIBLE AT KNURLED AREAS AND ON UNDERSIDE OF HEAD AROUND POTTING SLOTS.
- <2> ADHESIVE BACKED INSTALLATION TABS PER TABLE 1 ARE FURNISHED WITH INSERTS.
- <3> CRIMP LOCK AVAILABLE IN 303 CRES AND CARBON STEEL ONLY.
4. PLATING OR SOLID FILM LUBE IS RECOMMENDED ON SELF-LOCKING CRES INSERTS.
- <5> CLOSE OUT DISC MAY BE REQUIRED IN SOME LENGTHS TO PROVIDE MINIMUM FULL THREAD.
6. LOCATE LOCKING PELLET NO CLOSER THAN 10° FROM EDGE OF EITHER POTTING SLOT.
7. CONSULT WITTEN ENGINEERING DEPARTMENT FOR AVAILABILITY OR OPTIONAL MATERIALS, FINISHES OR SIZES.
8. SURFACE FINISH TO BE 125 MICROINCHES.



2253H

2253HE

INSERT, POTTED-IN BLIND THREADED

CROSS REFERENCE

| WITTEN | STANDARDS/OTHER | SHUR-LOK | THE YOUNG ENGINEERS | ALCOA/TRIDAIR |
|-----------------|-----------------|----------|------------------------|---------------|
| 2253H 2253HE | | | TYE1400 TYE1400H | 400H 400HE |

TABLE 2

"X" INDICATES NOT AVAILABLE

| LENGTH DASH NO. | L | MIN FULL THREAD LENGTH (EXCEPT HELICAL COIL) | | | | | |
|--------------------|-----|--|------|------|------|------|------|
| | | 440 | 632 | 832 | 1032 | 428 | 524 |
| <5> | -04 | .220 | .170 | .170 | .170 | X | X |
| | -05 | .285 | .190 | .190 | .190 | .235 | X |
| | -06 | .335 | .225 | .235 | .235 | .250 | X |
| | -07 | .395 | .250 | .280 | .280 | .250 | X |
| | -08 | .455 | .250 | .280 | .330 | .330 | .320 |
| | -10 | .565 | .250 | .280 | .330 | .380 | .420 |
| | -12 | .690 | .250 | .280 | .330 | .380 | .500 |
| | -14 | .815 | .250 | .280 | .330 | .380 | .500 |
| | -16 | .935 | .250 | .280 | .330 | .380 | .500 |

TABLE 3

"X" INDICATES NOT AVAILABLE

| LENGTH DASH NO. | L | HELICOIL MIN FULL THREAD LENGTH | | | | | |
|--------------------|------|---------------------------------|------|------|------|------|------|
| | | 440 | 632 | 832 | 1032 | 428 | 524 |
| -04 | .220 | X | X | X | X | X | X |
| -05 | .285 | X | X | X | X | X | X |
| -06 | .335 | .112 | X | X | X | X | X |
| -07 | .395 | .168 | .138 | X | X | X | X |
| -08 | .455 | .224 | .207 | .164 | .190 | X | X |
| -10 | .565 | .224 | .276 | .246 | .285 | .250 | X |
| -12 | .690 | .224 | .276 | .328 | .380 | .375 | .312 |
| -14 | .815 | .224 | .276 | .328 | .380 | .500 | .469 |
| -16 | .935 | .224 | .276 | .328 | .380 | .500 | .469 |

PART CODE
AND EXAMPLE:

2253-HE-428-LK-12-SPM

LUBRICANT: NO CODE = NO LUBRICANT
M = SOLID FILM LUBEMATERIAL AND
STANDARD FINISH: A = ALUMINUM ALLOY 2024-T4 OR T-351 PER AMS-QQ-A-225/6
C = CHEM-FILM PER MIL-DTL-5541, CL 1A.
SP = CRES 303 PER ASTM-A582. PASSIVATE PER ASTM-A967
SPC = CRES 303 PER ASTM-A582.
CADMIUM PLATE PER AMS-QQ-P-416. TYPE II CLASS 2.
SPS = CRES 303 PER ASTM-A582. SILVER PLATE PER AMS2410.
C = CARBON STEEL PER ASTM-A-108
CADMIUM PLATE PER AMS-QQ-P-416. TYPE II CLASS 2.

LENGTH DASH NUMBER(SEE TABLE 2 OR TABLE 3)

LOCKING TYPE: N = THREADED ONLY

LK = NYLON LOCK

L = CRIMP LOCK PER NASM25027

HEL = SELF-LOCKING HELICAL COIL PER NASM21209

THREAD SIZE: (SEE TABLE 1)

HEAD STYLE : H = STANDARD FLUSH
HE = FLUSH WITH POTTING SLOTS

SERIES 2253 POTTED-IN TYPE INSERT