

REV.  
A

SAE AS20218

# RATIONALE

FEDERAL SUPPLY CLASS  
3110

AS20218 REV A IS A FIVE YEAR REVIEW AND UPDATE OF THIS SPECIFICATION.

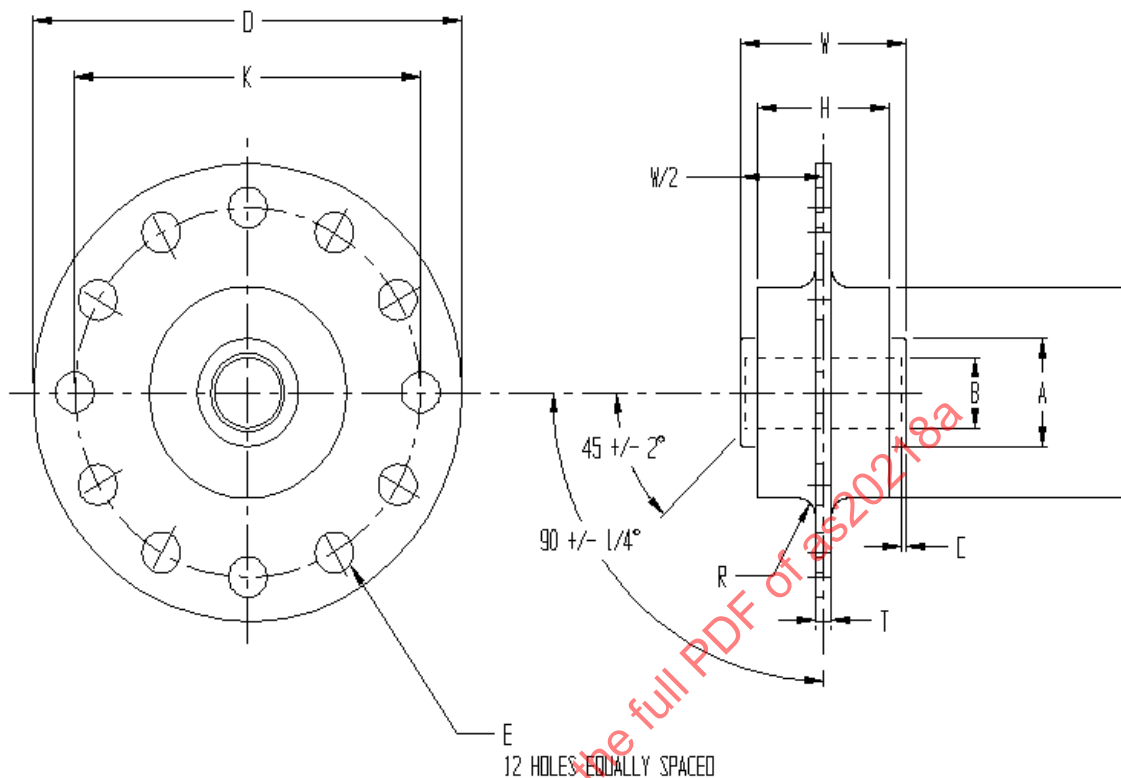


TABLE 1 – DIMENSIONS AND TOLERANCES

| DASH NO. | BORE SIZE NOM | A MIN DIA /3 | B +.0000 /1 | C x 45° +.010 /2 /3 | D ±.010 | E +.000 /1 | H ±.005 | J ±.010 /3 | K ±.005 | R +.010 /1 | T ±.005 | W +.000 /1 |
|----------|---------------|--------------|-------------|---------------------|---------|------------|---------|------------|---------|------------|---------|------------|
| -1       | .2500         | .382         | .2500       | .015                | 1.625   | .145       | .500    | .750       | 1.312   | .062       | .062    | .625       |
| -2       | .3125         | .441         | .3125       | .015                | 1.687   | .145       | .562    | .875       | 1.375   | .062       | .062    | .687       |

| DASH NO. | RADIAL PLAY MAX | AXIAL PLAY MAX | WOBBLE MAX | RADIAL STATIC CAPACITY LBS. MIN | AXIAL STATIC CAPACITY LBS. MIN | RADIAL ENDURANCE LOAD LBS. MIN | LIMIT MOMENT RATING IN-LBS. MIN | WEIGHT LBS. MAX |
|----------|-----------------|----------------|------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------|
| -1       | .0010           | .0020          | .0050      | 2770                            | 700                            | 500                            | 414                             | .06             |
| -2       | .0010           | .0020          | .0050      | 3280                            | 900                            | 680                            | 551                             | .08             |

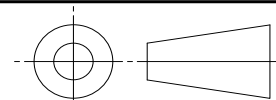
1/ OUT-OF-ROUND TOLERANCES: BORE: +.0002, -.0007.

2/ A RADIUS GIVING APPROXIMATELY THE SAME FILLET CLEARANCE WILL BE ACCEPTABLE.

3/ DIMENSIONS ARE TYPICAL.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS20218A>

THIRD ANGLE PROJECTION



CUSTODIAN: ACBG

PROCUREMENT SPECIFICATION: AS6038

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

(R) BEARING, BALL, ANTI-FRICTION, AIRFRAME

**SAE AS20218**  
SHEET 1 OF 2

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