

# AEROSPACE RECOMMENDED PRACTICE

**SAE** ARP1201

REV.  
B

Issued 1970-10  
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Superseding ARP1201A

## Hexagon Bar, Machined Flat and Forged Wrenching Flat Sizes for Fluid Fittings

### 1. SCOPE:

This SAE Aerospace Recommended Practice (ARP) lists wrenching surface sizes and tolerances for fluid fittings which utilize machined or unmachined hex bar dimensions and machined or forged wrenching surfaces across the center body section of shape fittings. See Table 1.

TABLE 1 - Size and Tolerance, Across Hex Flats and Center Body  
Section of Shapes, for Fluid Fitting Wrenching Surfaces

| Nominal Width<br>Across Hex Flats or<br>Center Body Section<br>of Shape Fittings | Tolerance<br>Hex Flats, Unmachined Bar or<br>Machined Hexes and Machined Flats of<br>Center Body Section of Shape Fittings | Tolerance<br>As Forged<br>Center Body Section<br>of Shape Fittings |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| .312                                                                             | +.002/- .010                                                                                                               | +.002/- .015                                                       |
| .375                                                                             | +.002/- .010                                                                                                               | +.002/- .015                                                       |
| .438                                                                             | +.002/- .010                                                                                                               | +.002/- .015                                                       |
| .500                                                                             | +.002/- .010                                                                                                               | +.002/- .015                                                       |
| .562                                                                             | +.003/- .010                                                                                                               | +.003/- .015                                                       |
| .625                                                                             | +.003/- .010                                                                                                               | +.003/- .015                                                       |
| .688                                                                             | +.003/- .010                                                                                                               | +.003/- .015                                                       |
| .750                                                                             | +.003/- .010                                                                                                               | +.003/- .015                                                       |
| .812                                                                             | +.003/- .010                                                                                                               | +.003/- .015                                                       |
| .875                                                                             | +.003/- .010                                                                                                               | +.003/- .015                                                       |
| .938                                                                             | +.003/- .010                                                                                                               | +.003/- .015                                                       |
| 1.000                                                                            | +.003/- .010                                                                                                               | +.003/- .015                                                       |
| 1.062                                                                            | +.003/- .012                                                                                                               | +.003/- .015                                                       |
| 1.125                                                                            | +.003/- .012                                                                                                               | +.003/- .015                                                       |
| 1.188                                                                            | +.003/- .012                                                                                                               | +.003/- .015                                                       |
| 1.250                                                                            | +.003/- .012                                                                                                               | +.003/- .015                                                       |
| 1.312                                                                            | +.005/- .012                                                                                                               | +.005/- .020                                                       |
| 1.375                                                                            | +.005/- .012                                                                                                               | +.005/- .020                                                       |
| 1.438                                                                            | +.005/- .012                                                                                                               | +.005/- .020                                                       |

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