



SURFACE VEHICLE RECOMMENDED PRACTICE	J2371™	MAR2018
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Clamping Force Test Procedure		

RATIONALE

The Technical Committee which originally created this document no longer exists.

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1. **Scope**—This SAE Recommended Practice is a test procedure to obtain force data for self-compensating type clamps (SAE Type E, CTB, and CTW).
2. **References**—There are no referenced publications specified herein.
3. **Equipment**
 - 3.1 Three segments with centers spaced 120 degrees apart, attached to load cells (see Figure 1).

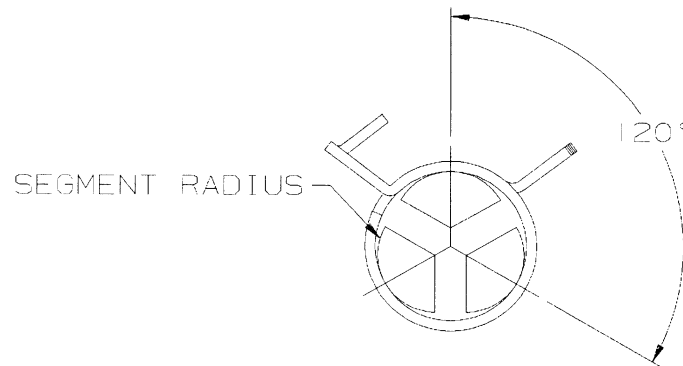


FIGURE 1—CLAMP ORIENTATION OVER THREE SEGMENTS

- 3.2 The contact area of each segment has a radius that is less than the radius of the smallest test diameter.
- 3.3 The device is capable of determining individual force of the three load cells.
- 3.4 Calibration of the device will be performed at the point or points the segment contacts the clamp, taking into account any error due to bending moments.