



ENGINEERED SOLUTIONS FOR INDUSTRIES WORLDWIDE

SOLON® BELLEVILLE SPRINGS | SOLON® PRESSURE SWITCHES

## TECHNICAL SERVICE BULLETIN

**Document No.:** D73321.12

**Subject:** Belleville Flat Load Correction

**Part Numbers Affected:** Multiple

**Condition:** The values used for flat load in catalogs or spec sheets were in error

**Cause:** Inaccurate calculation

**Diagnosis:** The Belleville flat load used in Solon catalogs and spec sheets was previously an inaccurate theoretical calculation. In addition, tolerances were inconsistent and did not follow any particular standard.

**Correction:** Solon Manufacturing Company has developed a much more accurate model for predicting load versus deflection as well as flat load values. Solon also made the appropriate correction to the database and specification sheets. Some custom and DIN spec springs have been excluded from this correction.

Approved By: G. Davet

Approved Date: 08-12-2019

Originated By: G. Davet

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