

# Gapping and nongapping soil

When are gapping and nongapping soil behaviors applied?

**Answer:** Possible applications are described as follows:

- **Gapping** behavior may be applied during [time-history](#) analysis, effective when load reversal occurs.
- **Nongapping** behavior is appropriate for nonlinear [static-pushover](#) analysis.

## See Also

- [Bearings with uplift](#) article
- [Pile lateral support based on P-y curves](#) article
- [Using links to model beams on an elastic foundation](#) article