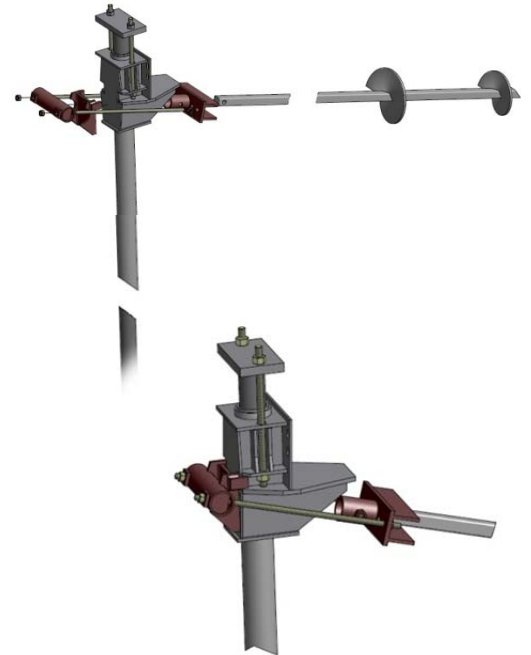


Model 288 Lateral Restraint System with HP287/288 or PP288 Pier Systems

Technical Specifications

Doc 11FSI-006-Rev. 2

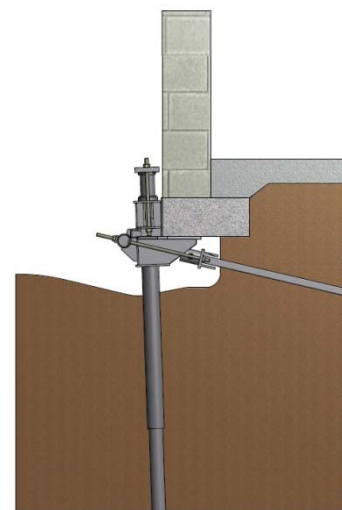
- Saddle Beam:** $\varnothing 2.875'' \times 0.203''$ wall $\times 10.00''$ long pipe. ASTM A500 Grade B or C, yield strength = 60 ksi (min.).
- Saddle Bracket:** Weldment manufactured from 0.38'' and 0.50''-thick steel plate. ASTM A36, yield strength = 36 ksi (min.).
- Adapter Beam:** Weldment manufactured from 0.38''-thick steel plate. ASTM A36, yield strength = 36 ksi (min.).
- Lock Collar:** $\varnothing 2.75 \times 0.313''$ wall $\times 4.00''$ long DOM tube. ASTM A513 Type 5 Grade 1026, yield strength = 70 ksi (min.).
- Hardware:** $\varnothing 3/4''$ mechanically galvanized Grade 8 bolt and nut.
 (2) - $\varnothing 5/8'' \times 24.00''$ long zinc plated threaded rods. ASTM A193 Grade B7, tensile strength = 125 ksi (min.).
 (4) - $\varnothing 5/8''$ -thread, Grade 5, zinc plated standard hex nuts.
- Finish:** Available plain or with hot-dipped galvanized coating in accordance with ASTM A123.



Allowable Restraint System Capacity: 20,000 lbs.

Notes:

1. Model 288 Lateral Restraint System is designed for use with FS288B and FS288BV bracket assemblies.
2. The lateral restraint system is used to resist lateral forces exerted onto the foundation or the pier system.
3. Restraint system capacity is the allowable mechanical capacity only. Capacity of the system may be governed by the capacity of the helical tieback anchor determined by torque correlation, field testing, or calculation by approved methods. See the FSI Technical Manual current edition for more information.
4. Allowable capacity is in line with the helical tieback anchor. Resulting horizontal component will vary with the installed angle of the tieback anchor. Vertical component of the tieback anchor force should be accounted for in the pier design.
5. Installation of any tieback or anchor system in landslide or hillside creep soils should be designed by a professional engineer.
6. See separate technical specifications for information on the bracket, pier, and anchor components.



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