

**BURGESS "EON" FLANGED FIBERGLASS COLUMN PIPE
PIPE ELONGATION IN INCHES PER 100 FEET @ VARIOUS LOADS**

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(CONTINUED)**

LOAD (lbs.) PIPE SIZE (in)	MAX. RATED TENSION (lbs)	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000	17000	18000	19000	20000	25000	30000	35000	40000	45000	50000	55000
4	14,250	0	0.020	0.040	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.26	0.28	0.30												
6	30,975	0	0.011	0.021	0.03	0.04	0.05	0.06	0.07	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.27	0.32					
8	39,975	0	0.008	0.016	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.11	0.11	0.12	0.13	0.14	0.15	0.15	0.16	0.20	0.24	0.28	0.32			
10	49,000	0	0.005	0.009	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.14	0.16	0.19	0.22	0.24	0.27	
12	55,750	0	0.005	0.009	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.11	0.14	0.16	0.18	0.20	0.23	0.25

NOTES:

1. Based on formula $e = PL/AE$ where:

- e = Elongation (inches)
- P = Load on pipe (lbs.)
- A = Cross sectional area of pipe body (inches²)
- E = Modulus of Elasticity of pipe (1,510,000 psi)

2. Load on Pipe (P) = Hanging weight and could include:

- Weight of pipe (weight/foot x set depth)
- Weight of shaft and pump
- Weight of water in pipe ((flow area of pipe x depth(inches)/231 in³/gal)x8.3 lbs/gal)
- Differential pressure = (dynamic pump head - feet of lift above pumping level) x OD Pipe area.

3. Values highlighted in "yellow" may exceed rated tensile loading of pipe. Factory approval is required for these loadings.

4. Values highlighted in "Red" may exceed maximum tensile rating of the pipe.

The above specifications are designed for use on Burgess "EON" flanged fiberglass column pipe. All specifications and properties specified above are approximate. Specifications and properties of material delivered may vary slightly from those given above. Burgess Well Company makes no representations of fact regarding the material except those specified above. No person has any authority to bind Burgess Well Company to any representation except those specified above. Final determination of suitability of the material for the use contemplated is the sole responsibility of the Buyer. Burgess Well Company sales representatives will assist in developing procedures to fit individual requirements.