

4" X 1/4" FRP Angle

ALLOWABLE CONCENTRIC AXIAL STRESSES AND LOADS

$$A = 1.92 \text{ in.}^2 / 1225.8 \text{ mm.}^2$$

$$r = .80 \text{ in.} / 20.32 \text{ mm.}$$

$$b/t = 16$$

Effective Length (ft./m.)	$\frac{KL}{r}$	F_a (psi/kPa)	P_a (lbs./N)
1.00/0.30	15.0	1684/11610	3233/14381
1.50/0.46	22.5	1609/11095	3090/13744
2.00/0.61	30.0	1535/10581	2947/13107
2.50/0.76	37.5	1460/10067	2803/12470
3.00/0.91	45.0	1386/9553	2660/11833
3.50/1.07	52.5	1311/9039	2517/11196
4.00/1.22	60.0	1236/8524	2374/10559
4.50/1.37	67.5	1162/8010	2231/9922
5.00/1.52	75.0	1087/7496	2087/9285
5.50/1.68	82.5	1013/6982	1944/8648
6.00/1.83	90.0	938/6467	1801/8011
6.5/1.98	97.5	863/5953	1658/7374
7.0/2.13	105.0	789/5439	1515/6737
7.5/2.29	112.5	714/4925	1371/6100
8.0/2.44	120.0	640/4411	1228/5463
8.5/2.59	127.5	567/3907	1088/4840
9.0/2.74	135.0	505/3485	970/4317
9.5/2.90	142.5	454/3128	871/3874
10.0/3.05	150.0	409/2823	786/3497

English/Metric

