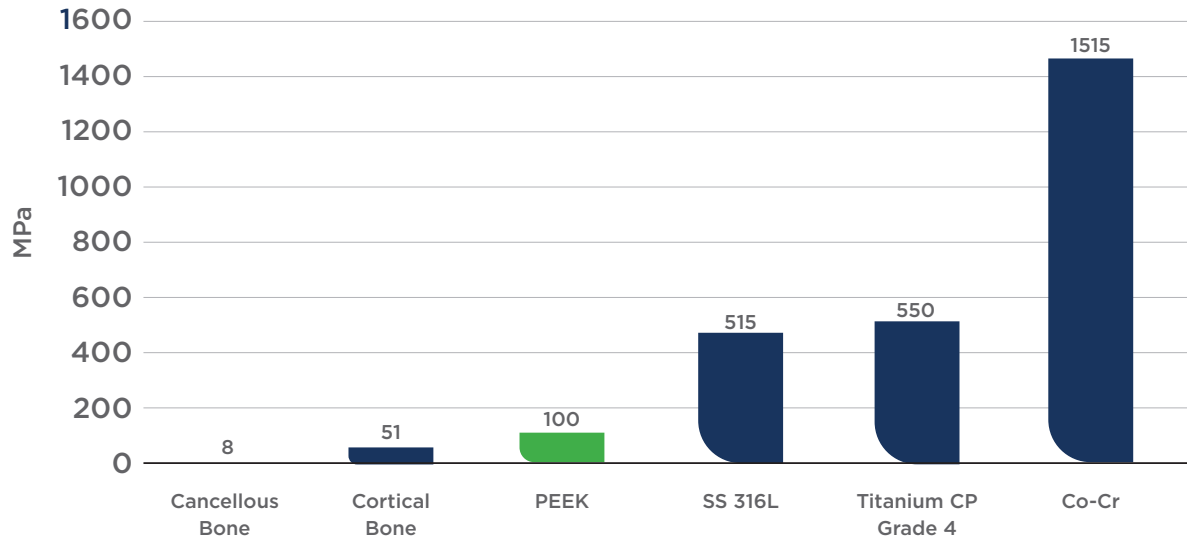


AVERAGE ANISOTROPIC VALUES FOR TRANSVERSE LOADING OF BONES

Tensile Strength (MPa)



Sources:
 J Musculoskelet Neuronal Interact. 2017 Sep; 17(3): 114-139.
 Mechanical basis of bone strength: influence of bone material, bone structure and muscle action
 N.H. Hart,1,2 S. Nimphius,2,3 T. Rantalainen,2,4 A. Ireland,5 A. Siafrikas,2,6,7,8 and R.U. Newton1
 Invibio INV-TS-PN-E-0087-A (10/2013)
 Fort Wayne Metals resources library

FATIGUE TESTING STERNAL PLATES

Stronger minimal acceptance criteria than comparable metal plates

Metal Plating: 190N to 2.2M cycles

PEEK Plating: 270N to 2.2M cycles

