
List of conventions, symbols, units, acronyms and terms

Exergy efficiency (k_e) – the ratio of input exergy to the original.

Soil density m_1 – mass per unit volume of soil.

Speed of deformation (stress) waves (u) – speed of the front of the disturbance wave in the soil.

Speed of the working body (v) – speed of movement of the working body relative to the working medium.

Stress (σ) – the internal force, which is referred to the unit area at a given section point, is considered.

Working medium – processing material (destruction, cutting, compression, vacuum, welding, gluing, etc.) for which the machine is intended.