

A hydrocyclone cover lining which geometrical parameters are chosen subject to the following relationship:  
$$h = k \cdot D^2 + 400/H^{3/2} \quad (1),$$
  
where: h - thickness of hydrocyclone cover lining, mm; k - coefficient of proportionality,  $k = (1,5 \div 1,9) \cdot 10^{-4}$ ; D - outer diameter of the hydrocyclone cover lining, mm; H - Shore hardness of rubber or other resistant material of the hydrocyclone cover lining.