M=500 g; V=10 m/s; dt=0,1 sec

F - ?



We write Newton's second law to strike the wall:

M*dV/dt=F, where dV=V-(-V) is absolute change of speed during the strike, dt – time of collision.

Then F=2M*V/dt=2*0,5*10/0,1=100 N

Answer: F = 100 N.

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