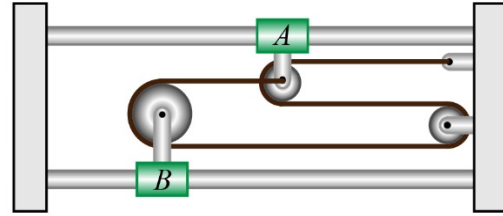


RP3-21) In the position shown, collar B moves to the left with a velocity of 150 mm/s. Determine the velocity of collar A .

Given: $v_B = 150 \text{ mm/s}$

Find: v_A



Solution:

Identify the datum and draw the position coordinates on the figure.

Write the length of the rope in terms of the position coordinates.

$L =$ _____

Determine the velocity of A .

$v_A = \dot{s}_A =$ _____