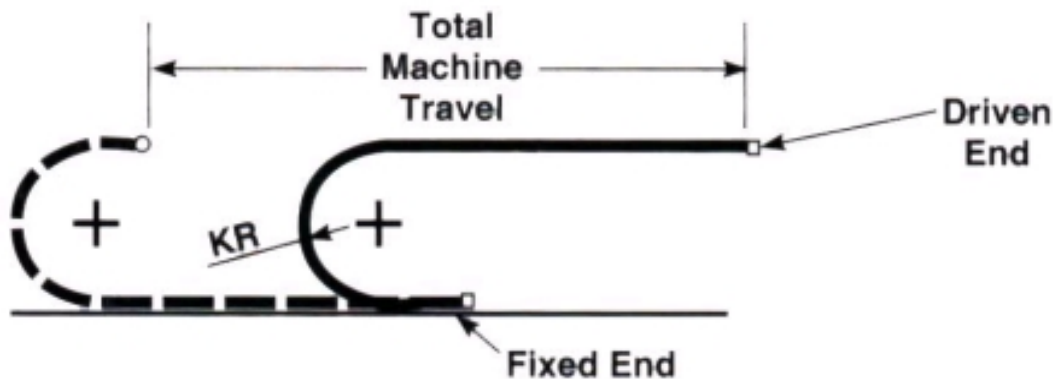


HOW TO DETERMINE TRACK NEEDS

DETERMINE THE AMOUNT OF TRACK NEEDED

- Determine the travel length & type of mount center or off center
- Determine the fixed and moving motion & Type of movement



Formulas:

Center Mounting (**CM**): $CM = (L_s / 2) + L_b \# \text{ of links} = CM / t$

Off-Center Mounting (**OCM**): $OCM = (L_s / 2) + \text{Off-center} + L_b \# \text{ of links} = OCM / t$

DETERMINE THE PROPER CARRIER TYPE AND SIZE

- Determine the minimum bend radius of the components inside the track .
Choose a track that is slightly larger than minimum bend radius:
- Rule of thumb: The **cable** manufacturer will assign minimum radius.
For **hoses** it should be 5 x diameter, **hydraulic** lines: 7.5 x diameter, confirm with customer
- **Width** clearances for **cable** inside the cable track is **10%**, for **hoses** is **20%**
- **Height** clearance for **cable & hoses** is approx. **20%**
- Distribute the weight inside the track and put the heavy components on the outside
- Calculate the weight of components inside the track
- Check Travel length for unsupported length (optional)
- Select the proper carrier type and size for the application

RULES FOR DIVIDERS

- Use when there is more than 3 conductors
- Separate the cables and hoses inside the cavity so they can move independently
- Every customer may have their own preferences on dividers, Ask the question?
- Every other link



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