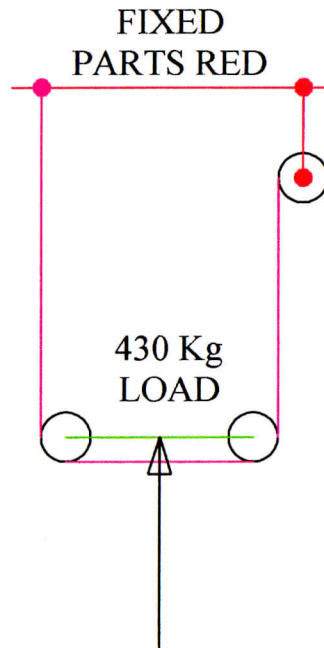
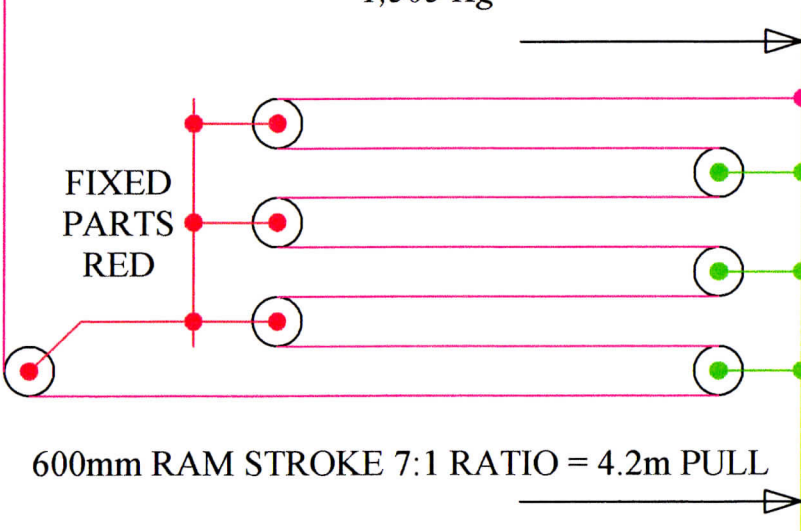


*Assumed calculation:
2:1 wire ratio on lift
platform = 215 Kg*



2 m LIFT 2:1 = 4m

*Assumed calculation:
1:7 wire ratio on
hydraulic ram
= 1,505 Kg*



600mm RAM STROKE 7:1 RATIO = 4.2m PULL

MOVING PARTS
SHOWN GREEN

HYDRAULIC RAM FORCE
REQUIRED TO LIFT LOAD
TAKING 75mm SHEAVE
RESISTANCE AND 8mm WIRE
FRICTION INTO ACCOUNT ?

FROM RESEARCH ON THE INTERNET IT HAS BEEN
QUOTED THAT FOR PLAIN BEARING SHEAVES THE
RESISTANCE IS: $K = 1.09$
HOWEVER, WHAT I AM NOT CLEAR OF IS HOW THIS K
FACTOR TOGETHER WITH THE LOAD IS CALCULATED
TO GIVE THE REQUIRED FORCE (in Kg) FOR THE
HYDRAULIC RAM