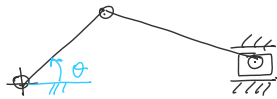


## MECCANISMI PLANI

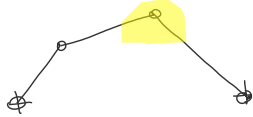


MANOV. DI SPINTA

$$n^{\circ}gdl = 3 \times 3 - 3 \times 2 - 1 - 2 = 1$$

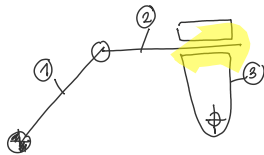
CER. CP

$\theta(t)$   
↓  
 $\dot{\theta}(t), \ddot{\theta}(t)$



QUADRO ARTICOLATO

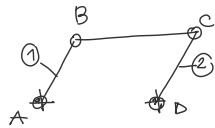
$$n^{\circ}gdl = 3 \times 3 - 4 \times 2 = 1$$



GLIFO OSCILLANTE

$$n^{\circ}gdl = 3 \times 3 - 3 \times 2 - 2 = 1$$

CER. CP

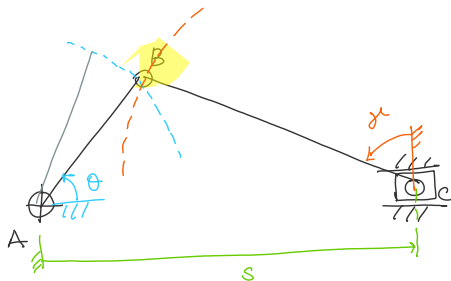


PARALL. ARTICOLATO

$\underline{\omega}_1 = \underline{\omega}_2 \Rightarrow BC \Rightarrow$  BIELLA  
↓  
MOTO TRASLATORIO

## CALCOLO GDL MECCANISMO

FORMULA DI GLUBER  $\Rightarrow n^{\circ} GDL \geq 3 \times n^{\circ} CORPI - n^{\circ} GDL \text{ VINCOLATI}$   
(2D)



$$n^{\circ}gdl \geq 1$$

↓  
→ dobbiamo verificare che  $n^{\circ}gdl = 1$   
→ si ragiona per assurdo

## ANALISI CINEMATICA

→ MECCANISMI AD 1 GDL  $\Rightarrow \theta$

→ ANAL. CINEMATICA

- POSIZIONE  $\Rightarrow \theta(t), \dot{\theta}(t), \ddot{\theta}(t) \Rightarrow s(t), \dot{s}(t), \ddot{s}(t)$
- DIFFERENZIALE  $\Rightarrow$  ATTO DI MOTO  $t = \bar{t} \Rightarrow \theta(\bar{t}), \dot{\theta}(\bar{t}), \ddot{\theta}(\bar{t})$

↓  
 $\dot{\theta}(\bar{t})$   
 $\ddot{\theta}(\bar{t})$  ≠ ZERO  
↓  
 $\dot{s}(\bar{t}), \ddot{s}(\bar{t})$

[Manovellismo di spinta](#)

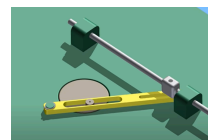
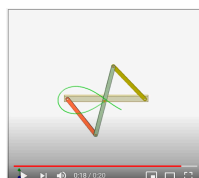
[Parallelogramma inverso](#)

[glifo oscillante](#)

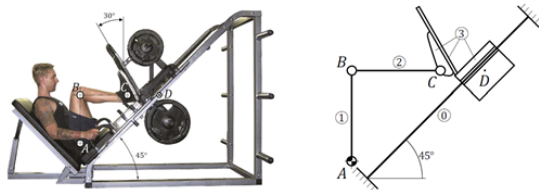
[glifo](#)

[Quadrilatero articolato](#)

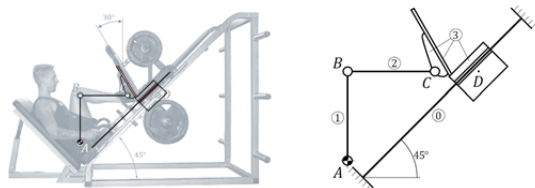
[Parallelogramma articolato](#)



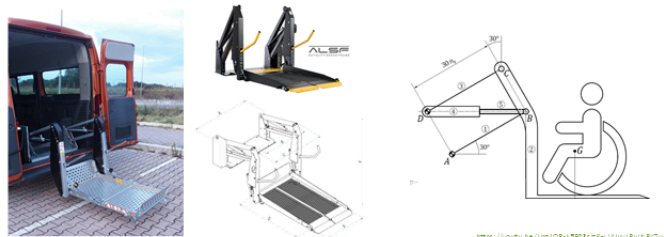
## Dalla teoria... alla pratica



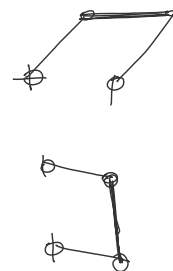
## Dalla teoria... alla pratica



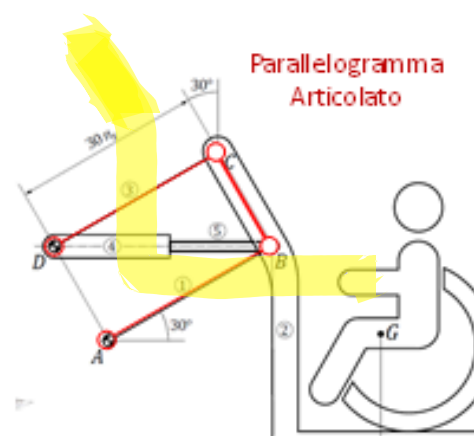
## Dalla teoria... alla pratica



<https://youtu.be/Vp21OR-k580?si=6wVU1>



## Dalla teoria... alla pratica



<https://youtu.be/Vp21OR-k580?si=6wVU1>

