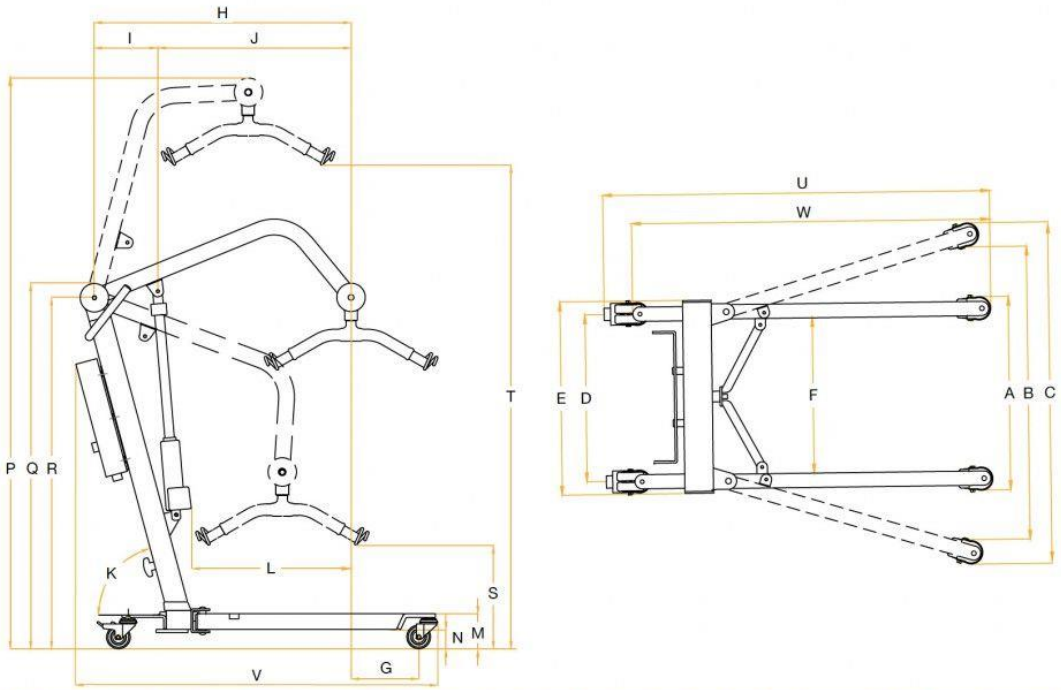
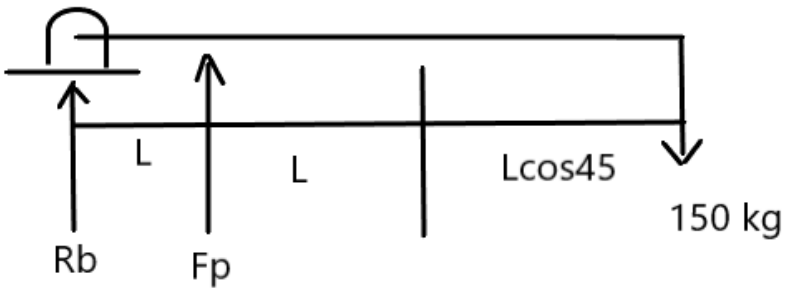


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W	capacidad carga	peso	ruedas	motor
POWERLIFT 135 mini	54	84	96	47	53	43	22	81	20	61	75º	52	11	6	181	116	111,5	33	154	106	113	99	135 kg	33 kg	7,5	6000 N

medidas (cm)



$$\sum M_b = Fp * L - 150 * 9.81 * Ltotal$$

$$Fp = \frac{150 * 9.81 * Ltotal}{L} = 6672\ N\ supposed\ value$$

$$\sigma_{bending_{allow}} = \frac{\sigma_y}{FS} = \frac{530\ MPa}{2} = 265\ MPa; proposed\ FS$$

$$Mmax = 881\ N * m\ supposed\ value$$

$$S = \frac{M}{\sigma_B} = \frac{881}{265} = 3.324 * 10^{-6}\ supposed\ value$$

$3.324 * 10^{-6}$ *with this value we search on catalogs the corresponding section modulus*