

GLOBAL REACH



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pal-turn™

Solutions for turning industrial loads

Turning heavy and/or bulky loads can often be difficult and dangerous. These operations often need a lot of space and people. To perform these operations in good conditions, Tractel® offers several solutions using our the pal-turn™ load turners

Tractel® Solutions offers the pal-turn™ solution: Easy to use, reliable and with very little maintenance, the Pal-turn™ meets today's handling needs.



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pal-turn™

AVANTAGES

- + **Productivity** : 1 single operator instead of 3
- **Time** : reduced turning time
- + **Security** : reduction of sliding/slipping risks and/or falling risks
- + **Space** : less floor space required
- + **Efficiency** : only one lifting point is necessary and one machine can be utilised for several applications ...
- + **Quality** : No marking or damage of the load
- **Maintenance** : No jolting of the lifting system

Return on investment in a few months !

OPTIMISED DESIGN

- Every turning application is **unique**
- According to the detail supplied in the specification sheet, we simulate the turning and determine the necessary motor power dependent on the length of the straps.
- We can then offer you the **correct system from the standard range** or **design a bespoke pal-turn™ system** in order to optimize the weight, dimensions, power and price for your application

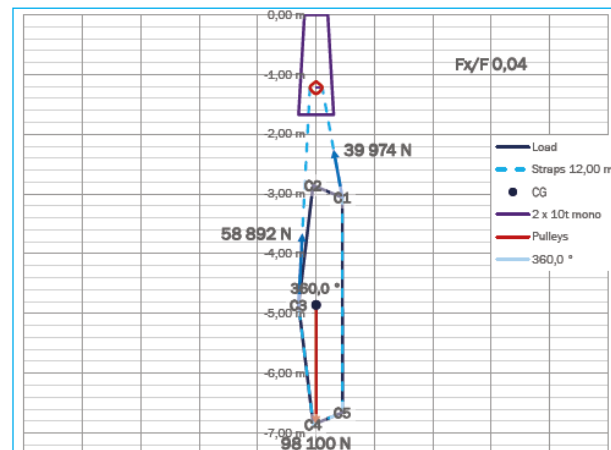


Figure 1 : 0° rotation

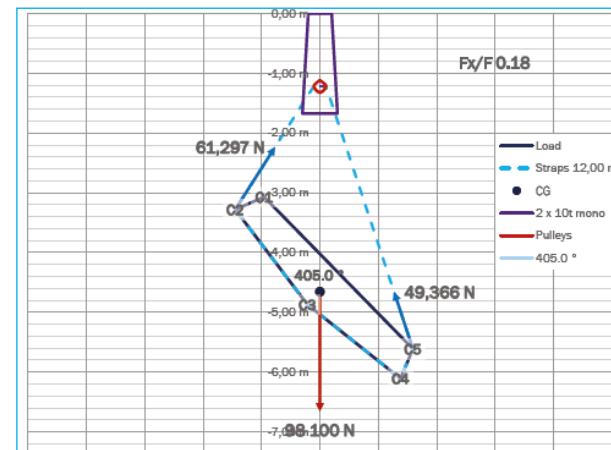


Figure 2 : 45° rotation

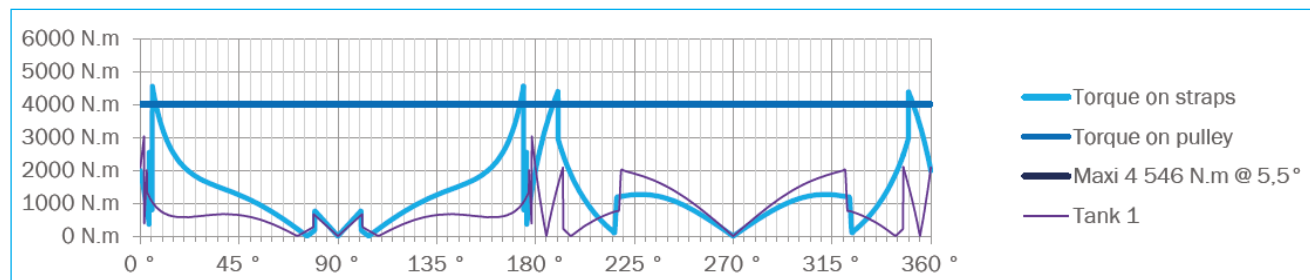


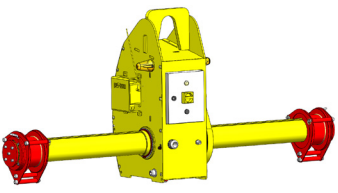
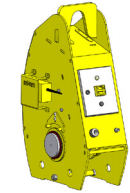
Figure 3 : effect of a 10cm shift of the center of gravity. In purple: center of gravity, in blue: shifted center of gravity. For an identical mass according to the above profile.

TRY IT!

Tractel has pal-turns™ available to trial. Please do not hesitate to contact us.

pal-turn™

RANGE

		1 lifting mode: pal-turn™ tube	Multiple lifting means : mono-pulley pal-turn™
		pal-turn™ tube	pal-turn™ mono-pulley
			
CAPACITY	STANDARD	1 t / 2 t / 5 t / 10 t / 20 t	2 t / 5 t / 10 t / 20 t
	SPÉCIAL	250 kg to 30t & more	
TUBE LENGTH		1 to 6 mètres	/
LONGUEUR CHARGE		Approximatively 1 to 15 meters according to the load's rigidity	According to the number of mono-pulleys, the lifting means and the load's rigidity
STANDARD CONFIGURATION		<ul style="list-style-type: none"> ■ Wire remote control, Mono-speed motorisation ■ IP54 electrical protection index ■ Design according to FEM A5 lifting speed 30 m/min 	
OPTIONS		<ul style="list-style-type: none"> ■ Chains pulleys for high temperature loads (> 80 °C) ■ Autonomous model (with batteries) ■ Remote control with or without infra-red ■ Double speed motor ■ Frequency inverter ■ Supplementary lifting points, Retractable lower hook. This hook avoids putting down the pal-turn™ in order to perform lifting operations between 2 turnings ■ Chains or straps with length adjusted to the loads' dimensions, polyurethane protection, coated or impregnated, open or endless ■ Electrical protection index IP55 or higher ■ Design according to another FEM class 	
		<ul style="list-style-type: none"> ■ Fixed or adjustable load-centre straps ■ Light and/or sound warning signal when tilting ■ Handling Framework 	

ASSEMBLY WITH PRB PULLEYS

The pal-turn™ can be coupled with PRB pulleys in order to allow rotating longer loads or to be able to turn asymmetrical loads.

Contact us for more details.

