



pal-turn™

Solutions for turning industrial loads



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

# pal-turn™

Affordable, quick and reliable mechanical load limiters

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

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

## 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 optimise the weight, dimensions, power and price for your application

### ADVANTAGES

- **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

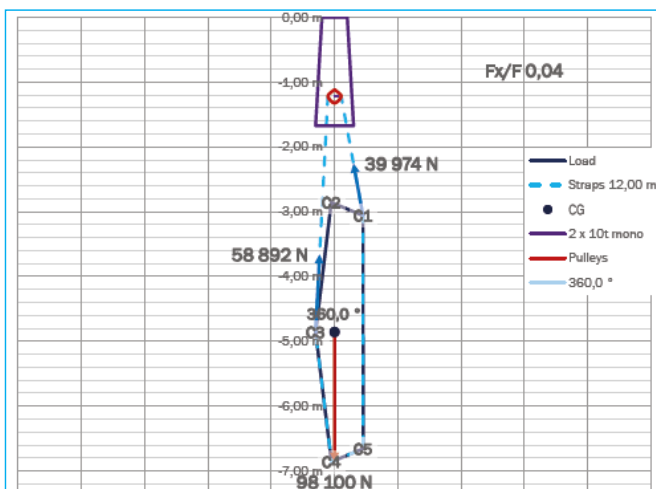


Figure 1 : 0° rotation

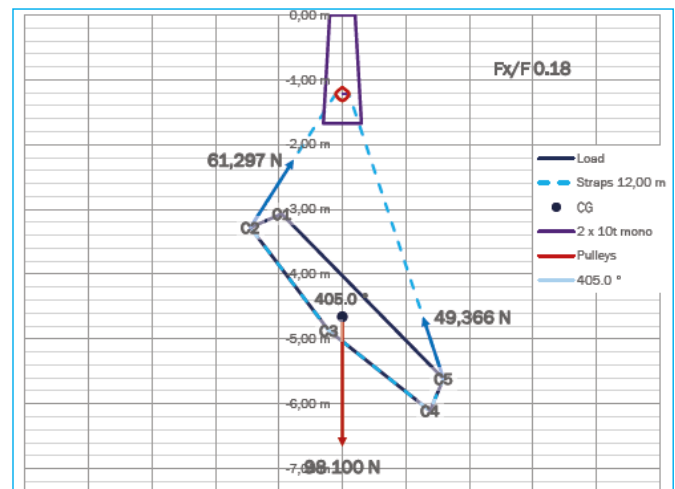


Figure 2 : 45° rotation

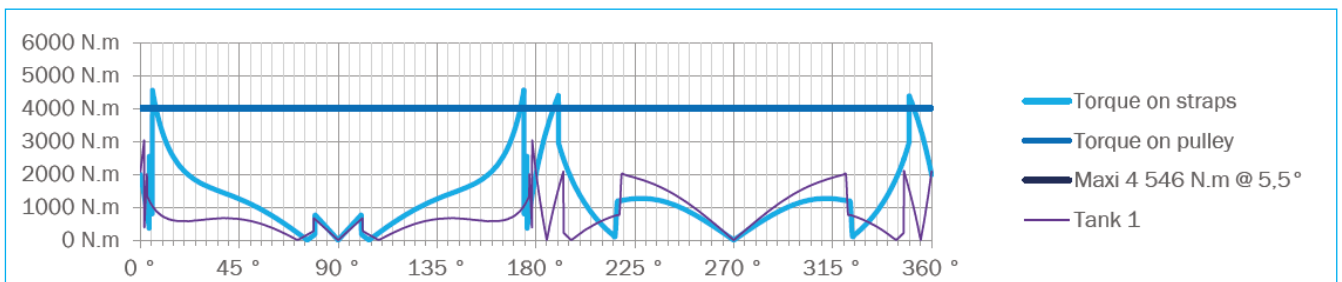
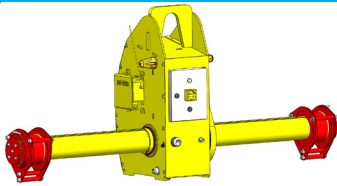
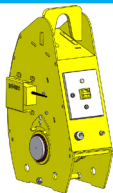


Figure 3: effect of a 10cm shift on the center of gravity. Purple: center of gravity. Blue: shifted center of gravity. For an identical mass according to the above profile.

### TRY IT!

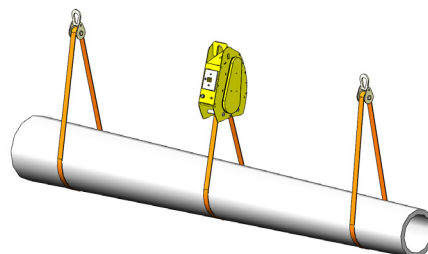
Tractel has pal-turn™ models available to trial. Please do not hesitate to contact us.

## RANGE

		1 lifting mean: 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
	SPECIAL	250 kg to 30t & more	
TUBE LENGTH		1 to 6 metres	/
CHARGE LENGTH		Approximately 1 to 15 metres 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"> <li>▪ Wire remote control, Mono-speed motorisation</li> <li>▪ IP54 electrical protection index</li> <li>▪ Design according to FEM A5 lifting speed 30 m/min</li> </ul>	
OPTIONS		<ul style="list-style-type: none"> <li>▪ Chains pulleys for high temperature loads (&gt; 80°C)</li> <li>▪ Autonomous model (with batteries)</li> <li>▪ Remote control with or without infra-red</li> <li>▪ Double speed motor</li> <li>▪ Frequency inverter</li> <li>▪ Supplementary lifting points, Retractable lower hook. <a href="#">This hook avoids putting down the pal-turn™ in order to perform lifting operations between 2 turnings</a></li> <li>▪ Chains or straps with length adjusted to the loads' dimensions, polyurethane protection, coated or impregnated, open or endless</li> <li>▪ Electrical protection index IP55 or higher</li> <li>▪ Design according to another FEM class</li> </ul>	
		<ul style="list-style-type: none"> <li>▪ Fixed or adjustable load-centre straps</li> <li>▪ Light and/or sound warning signal when tilting</li> <li>▪ Handling Framework</li> </ul>	

## 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.



# GLOBAL REACH



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