

5Te hydraulic tensioner

SPECIFICATION SUMMARY

Max pull force outboard from idler end	5Te SWL
Max pull force outboard from gearbox end	2.5Te SWL
Number of tracks	2
Coefficient of friction	0.21
Max total grip force	24Te
Max grip per track	12Te/track
Product crush force	8.57Te/m/track
Track contact length	1.4 m
Max speed	1200m/hour
Height to track product underside	1160mm
Track opening	400mm*
Product size range	50mm to 300mm *
Operating pressure max	210bar
Product loading	Side loading or feed through

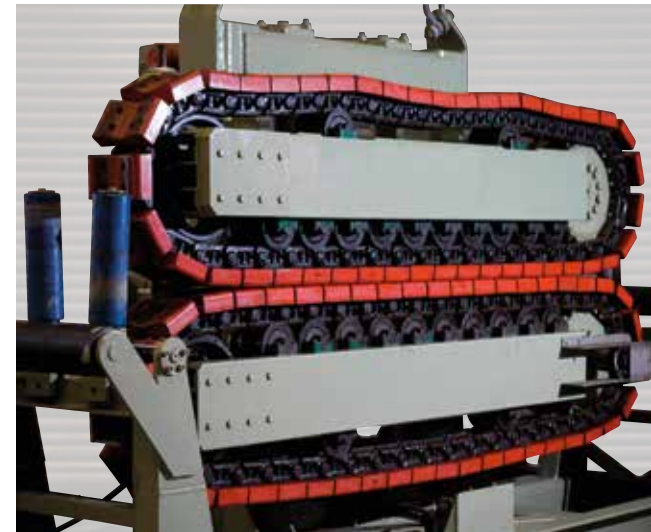
MODES OF OPERATION

Pay-in variable speed
Pay-out variable speed
Haul in variable speed
Tension holdback

TENSIONER DISPLAY INFORMATION

Product distance
Product speed
Product grip
Product tension

*Track pad dependent



IDEAL FOR

- Wire rope spooling
- Cable and umbilical spooling / lay
- Carousel loading towers / level winders

BENEFITS

- Small footprint
- Entry and exit guidance level remains same
- Simple machine to control and operate
- Removable tilt down guide rollers and outer grip cylinders to facilitate side loading

DELIVERY ASSURED

TENSIONER

The robust caterpillar tensioner consists of two vertically orientated track carriages with polyurethane 'V'-shaped pads. One track is fixed to the sub frame while the other track slides on two steel shafts moved by the grip cylinders and pivots to accommodate for small product diameter variations. The tensioner is mounted to its base frame through load cells and flexible mounts.

HPU

The Hydraulic Power Unit (HPU) is contained within a steel box space frame. The electrical supply required 45kW; 3 phase; 440V; 50/60Hz. Hydraulic output is 105L/min (50Hz) at 210bar from main transmission pump, and 11L/min (50Hz) at 210bar from grip pump.

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