



SPARROWS

VERTICAL TRACK | MODEL B5219

# 10TE HYDRAULIC TENSIONER

## SPECIFICATION SUMMARY

Max pull force outboard from idler end	10Te SWL
Max pull force outboard from gearbox end	10Te SWL
Number of tracks	2
Coefficient of friction	0.12
Max total grip force	84Te
Max grip per track	42Te/track
Product crush force	22.33Te/m/track at 227bar
Track contact length	1.8m
Max speed	1450m/hour
Height to track centre line	1327mm
Track opening	400mm*
Product size range	40mm to 390mm**
Operating pressure max	250bar
Product loading	Side loading or feed through

## MODES OF OPERATION

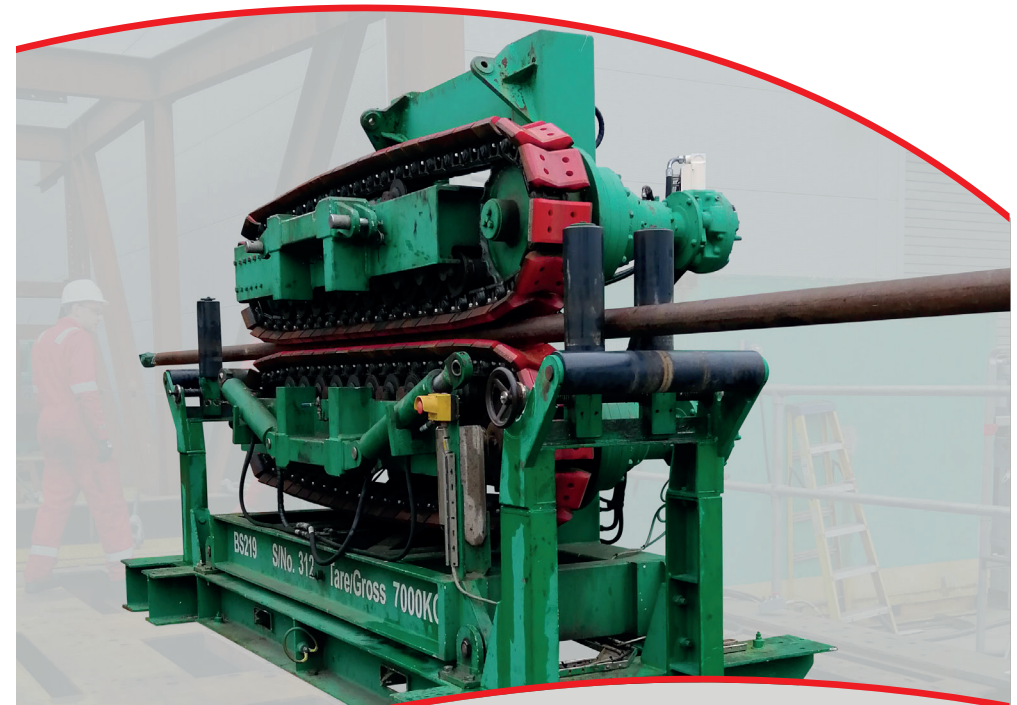
Pay-out variable speed
Pay-in variable speed
Tension holdback (render)
Tension pull in (haul)

## TENSIONER DISPLAY INFORMATION

Product distance
Product speed
Product grip
Product tension

\*Track pad dependent

\*\*Dependent on suitable track pads and number of cylinders



### Ideal for

- Cable and umbilical spooling / lay
- Offshore wind
- Carousel loading towers / level winders.

### Benefits

- Small footprint
- Entry and exit guidance level remains same
- Simple machine to control and operate with Human Machine Interface (HMI)
- Removable tilt down guide rollers and outer grip cylinders to facilitate side loading.



Continued overleaf...

## 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 four load cells.

## HPU

The Hydraulic Power Unit (HPU) is contained within a steel box space frame. The electrical supply required is 75kW; 3 phase; 415/440V; 50/60Hz. Hydraulic output is 142L/min (50Hz) 170L/min (60Hz) at 210bar from main transmission pump, and 15.95L/min (50Hz) 19.14L/min (60Hz) at 210bar from grip pump.

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## DELIVERY ASSURED

For more information please visit [www.altradsparrows.com](http://www.altradsparrows.com)



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