

Rotating Caterpillars RAGG



TROESTER

EXCELLENCE IN EXTRUSION.

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Rotating Caterpillar RAGG 150/42

The modular designed rotating caterpillars were specially developed for the TROESTER patented concept "TWINROT" for the production of high-voltage cables on catenary lines.

Based on years of experience building complete lines, attention has been particularly paid to the ease of operation. Compressed-air cylinders apply pressure from both sides via roller packs onto the belts which in turn grip the product. The pressure can be adjusted through the control system menu or by push buttons on the machine. Knots can easily pass through the machines as the pressing cylinders will give way. The belt tension is pneumatically controlled.

The rotating caterpillars are constructed in such a way that the complete pulling unit rotates around the horizontal axis, including the two master/slave electrically synchronized motors which drive the caterpillar belts. The direction of rotation can be selected. All necessary power, control values and compressed air are transmitted from the stationary unit to the rotating unit via slip-rings. A further advantage of the RAGG rotating caterpillar is the very long maintenance-free running time, the belts can be easily changed without tools.

At the inlet and outlet of the machines there are horizontal and vertical guide rollers which, by means of a mechanical coupling, enable a simple and quick adjustment to different conductor and cable diameters. In accordance with the customer's wishes/needs a measuring wheel with a pulse generator can be supplied to measure the line speed or length.

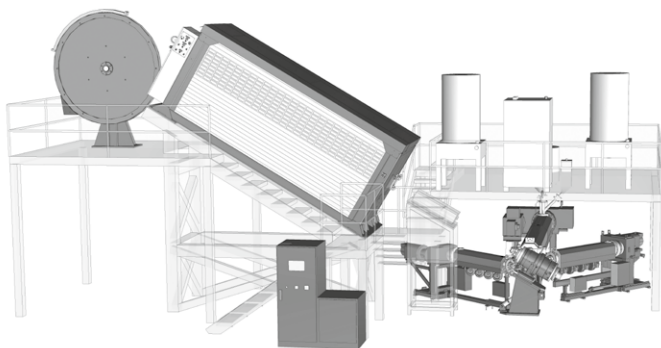


Technical Data

RAGG	max. Cable Diameter mm	max. Passage mm	Belt Width mm	Number of Cylinder Pairs	approx. Gripping Length mm	max. Traction Force kN	max. Speed m/min
100/18	100	120	120	5	1800	40	70
100/21				6	2150	50	70
100/25				7	2500	60	70
100/29				8	2900	70	70
150/25	150	180	180	6	2500	60	70
150/29				7	2900	70	70
150/33				8	3350	80	70
150/38				9	3800	90	60
150/42				10	4200	100	60

Main Advantages of TROESTER Caterpillars RAGG

- > Part of the patented "TWINROT" concept for the production of HV and EHV cables on catenary lines
- > Excellent power transmission through compressed-air cylinders and special belts
- > Loss-free power transmission from the stationary unit to the rotating unit via slip-rings
- > Electrically synchronized motors for the caterpillar belt drives
- > Pressurized air storage tank to maintain the pressure inside the machine in case of loss of pressure in the factory network
- > Optimal also for application in MDCV lines
- > High safety standards



RAGG as Braking Unit