

# Belt-type Caterpillars AG(P)



**TROESTER**

EXCELLENCE IN EXTRUSION.

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**Modular designed belt-type caterpillars for a wide range of applications.**

Compressed-air cylinders apply pressure from both sides via roller packs onto the belts which in turn grip and forward the cable. The pressure can be adjusted by means of a control valves. Knots can easily pass through the machines as the pressing cylinders will give way. There are two designs, AG and AGP with different pressing force to be selected according to the required traction. The belt tension is pneumatically controlled. All caterpillars are equipped with horizontal and vertical guide rollers at the inlet and outlet to guide the cable in the line. The belt-type caterpillars are almost maintenance free, belts can be changed easily without tools.

The caterpillars are fitted with the most modern, easy-to maintain drive technology. Both electronically coupled driving mechanisms of the caterpillar belt work with frequency controlled AC motors in master-slave operation. The very wide control range of these units makes multi-step gearboxes superfluous. This guarantees an optimal integration of the machines also in existing lines. In accordance with the needs a measuring wheel with a pulse generator can be supplied to measure the line speed or length which can be displayed either on the line control or directly at the caterpillar.

The control concept of the belt-type caterpillars proves its value through its manifold application possibilities. According to individual requirements or area of application, the machines can be speed controlled or tension controlled without technical changes or re-designs. If necessary even the operational direction can be changed easily. This increases the range of application considerably.

Movable units and weather proof designs for outdoor use complete the scope of supply.

## Main Advantages of TROESTER Belt-type Caterpillars AG(P)

- > Modular design
- > Independent belt drive and control
- > Infinitely adjustable pressing force
- > Very smooth, jolt free belt drive
- > Special designs for cables up to 150 kg/m
- > Movable, compact designs for flexible use
- > Special weatherproof outdoor designs
- > High safety standards

Belt-type Caterpillars AGP  
in horizontal/vertical design



Belt-type Caterpillar AGP 270/33 for submarine cables

## Technical Data

AG(P)	max. Cable Diameter mm	Passage max. mm	Belt Width mm	Pressing Length mm	Number of Cylinder Pairs	max. Tractive Force AG N	max. Tractive Force AGP N
30/08	30	50	50	800	3	3500	5600
30/10	30	50	50	1000	4	4700	7400
30/12	30	50	50	1200	5	5800	9300
70/12	70	90	70	1200	4	7400	12000
70/15	70	90	70	1500	5	9300	15000
70/18	70	90	70	1800	6	11200	18000
120/18	120	140	120	1800	5	15000	23500
120/22	120	140	120	2200	6	18000	28200
120/25	120	140	120	2500	7	21000	32900
120/28	120	140	120	2800	8	24000	37600
180/18	180	200	180	1800	5	23500	36800
180/22	180	200	180	2200	6	28200	44100
180/25	180	200	180	2500	7	32900	51500
180/28	180	200	180	2800	8	37600	58900
220/25	220	250	250	2500	6	–	45000
220/29	220	250	250	2900	7	–	60000
220/33	220	250	250	3300	8	–	80000
270/25	270	300	300	2500	6	–	45000
270/29	270	300	300	2900	7	–	60000
270/33	270	300	300	3300	8	–	80000
300/20	300	330	300	2000	5	–	45000
300/25	300	330	330	2500	6	–	45000
300/29	300	330	330	2500	7	–	60000
300/33	300	330	330	2500	8	–	70000
320/25	320	350	350	2500	6	–	45000

