

# Extruders GS for Rubber Cables



**TROESTER**

EXCELLENCE IN EXTRUSION.

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**When it comes to rubber cable production customers benefit from TROESTER's long expertise in the tire and rubber processing industry.**

Right from the beginning of its foundation in the year 1892 TROESTER started to develop machines for the processing of rubber compounds and until today TROESTER is one of the leading companies in that field worldwide.

The GS/k cold feed extruders are dedicated to the cable industry and designed according to the latest developments in process technology, setting benchmarks in output and production quality. Continuous improvements and comprehensive laboratory tests provide the basis for an optimal extruder and screw design.

Depending on the application, TROESTER can also supply rubber extruders in different design, e.g. QSM pin-type extruders, GS/w hot-feed extruders or GS vak vacuum extruders for which individual brochures with more detailed information are available.

## Main Advantages of TROESTER Rubber Extruders for Cable Lines

- > Suited to a wide range of applications
- > Excellent production capabilities
- > Special designed rubber extruders GS
- > Pin-type extruder QSM for additional compound mixing
- > Optimized design for rubber and XLPE extrusion
- > High output with or without breaker plates
- > Temperature control by heating/cooling units
- > More than 120 years of experience in rubber processing technology
- > TROESTER in-house screw development and manufacturing (customized to special requirements)
- > High safety standards

## Extruder Output

Extruder	Rubber
Screw diameter [mm]	Output Range [kg/h]
30	10 – 15
45	30 – 45
60	130 – 200
90	300 – 450
120	480 – 725
150	800 – 1200

Pin-type  
Extruder QSM



GS Extruders

## Technical Data

### Extruder size

screw diameters: 30, 45, 60, 90, 120, 150 mm  
barrel lengths: 14 D, 16 D, 18 D, 20 D

### Extruder Type

- > Type GS/k (cold feed extruder)
- > Type GSV (vertical design)
- > Type QSM (pin-type extruder)

### Screw design

- > Type MZS  
The TROESTER MZS screw suits most rubber materials. The screw is fitted with various zones and mixing elements. This allows a single screw to be used for a wide range of rubber materials.
- > Type S<sub>spez</sub>  
The TROESTER S<sub>spez</sub> screw is used for all materials which require a simple, constant material conveying like semi-conductive materials or silicon rubber.

### Barrel and screw materials

The barrels are equipped with inner liners made of special steel. Special alloys or bimetal are applied if corrosive or abrasive materials are involved. Bright-finished screws made of nitrided steel ensure a long service life for most materials used in the cable industry. For high abrasive rubber compounds hard-armoured screws are available.

### Materials to process

EPDM, NBR, CPE, CSPE, CR, NR, EVA, CM, SC Rubber, Silicone rubber

