



VSG-H 400

Pushing unit for cable laying

Hydraulic cable feeder
with capstan



The Katimex cable pusher, VSG-H 400 is used to reduce the pulling force during the cable pull and thereby protects the cable. The VSG-H 400 is mainly used when the required pulling force is higher than the recommended maximum pulling force given by the manufacturer.

The cable pusher can be used to pull conduits, cables or the Polykat® fiberglass profile with a diameter of 9 mm or larger while the lateral capstan head is used to pull cables with a polyester fiber rope in combination with a cable grip.

The VSG-H 400 was especially developed to be used in narrow places and can also be operated within buildings, industrial facilities or ships. Small height and light weight enable the user to place the unit directly into a cable tray.

In addition, a torsion-free unwinding of the cable from its drum as well as a clean laying of KR- or SNR-bundles in the ground is achieved. The memory effect of the torsion which is located on the drum will be reduced or even eliminated. Twist-free SNR-bundles reduce the friction force inside the conduits and expand the maximum blow-in length drastically.

Applications

- Due to its extremely compact design and small dimensions the VSG-H 400 can be used in narrow spaces i.e. cable trenches or ducts, within buildings, in industrial plants or within bigger machines and ships.
- Due to the light weight and the small height the pusher can be placed directly into a cable tray i.e. underneath the ceiling

Advantages

- Supports the cable pull
- Reduces the pulling force
- Preserves cables and conduits
- Accelerates the work process
- Torsion-free unwinding of the drum
- Makes the pulling of cables and conduits with polyester rope possible through the lateral capstan head



Technical data



To operate the VSG-H 400 a hydraulic unit with the following minimum requirements is necessary:
 30 liter/minute flow rate (hydraulic-oil)
 150 bar hydraulic pressure

The pushing forces relate to possible maximum values when using dry rollers and cables. Lubricant must be used in the direction of the working process after the pushing unit.

Art.-No.	105940
Thrust (kg) ~ dN	max 400
Feeding speed (m/min)	0 - 40
Cable diameters (mm)	9 - 70
Weight (kg)	25
Volume flow rate [l/min]	0-30
Hydraulic pressure [bar]	150
Feeding speed (in the middle range of the traction wheel - Ø 7mm)	
at 5 l/min	8 m/min
at 25 l/min	40 m/min
Pulling force at the capstan [kg]	max. 350
Dimensions [cm]	45,5x29x33

Accessories required:

Hydraulic power unit Hycon HPP13 Flex

with 13 PS Honda fuel engine
 art.-no.: 105930

Product information

smooth adjustment between 0 and 30 lpm up to 150 bar.
 (Ethma category „C“)

Including ON / OFF switch for hydraulic circle

Without hydraulic oil. Syntetic and organic oils can be used.

Attention - insert hydraulic oil before operating!

Weight: 81 kg

Dimensiones:
 715 x 622 x 605 mm



Hose package for hydraulic power unit Hycon HPP 13 Flex

6 m, ½ inch

art.-no.: 105931

Product information

Double hose for hydraulic tool, incl. ½ inch flat-sealing clutch, empty, (ca. 2 litre hydraulic oil required)

Attention - insert hydraulic oil before operating!



Safety grid for hydraulic power unit Hycon Hpp13 flex

art.-no.: 105932

Product information

Safety grid for hydraulic power unit to cover the fuel engine, made for site use.

