



CABLE DRUM TRAILER



CABLE DRUM TRAILER KVH

This trailer is available with a loading of 4.5 tonnes or 6.0 tonnes, depending on customer requirements. The maximum speed for both versions is 80 km/h. Further versions with a loading of 5.8 tonnes and 7.3 tonnes are available as slow runners with a maximum speed of 25 km/h.

All versions are inloaders without continuous axle, and thus ensure easy intake of the drum. The drum is lifted by two hydraulic cylinders with hand pump. These corrosion-resistant trailers have a TÜV approval with European individual approval. The drum shaft needs to be ordered separately as an accessory. See below for different versions.

Fast runners 80 km/h

Code	Type	Loading	Total weight	Drum dia.	Vertical load	Empty weight
343450	KVH 4.5/80	4.5 tonnes	6.0 tonnes	1,800-3,200	700 kg	1,450 kg
343600	KVH 6.0/80	6.0 tonnes	7.5 tonnes	1,800-3,200	700 kg	1,450 kg

Slow runners 25 km/h

Code	Type	Loading	Total weight	Drum dia.	Vertical load	Empty weight
343580	KVH 5.8/25	5.8 tonnes	7.3 tonnes	1,800-3,200	700 kg	1,450 kg
343730	KVH 7.3/25	7.3 tonnes	8.8 tonnes	1,800-3,200	700 kg	1,450 kg

DRUM DRIVE AND OPERATING UNIT

As standard, the hydraulic drum drives in all versions can be controlled using a wired operating unit with magnetic holder (cable length 6 m). The trailers are optionally driven by a petrol/diesel motor or a third-party hydraulic system. An additional remote control is available for all types of drive.

Code	Type	Description
351600	TBH 600	Petrol-hydraulic cable drum drive, Honda motor with electric starter
351602	TDH 600	Diesel-hydraulic cable drum drive, Hatz motor with electric starter
351605	TFH 600	Cable drum drive with third-party hydraulic system
351608	TOF 600	Remote control with emergency manual operating unit for hydraulic cable drum drive

DRUM SHAFTS (TSK/TAS)

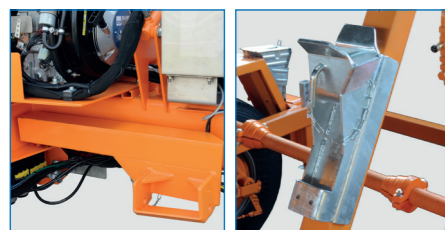
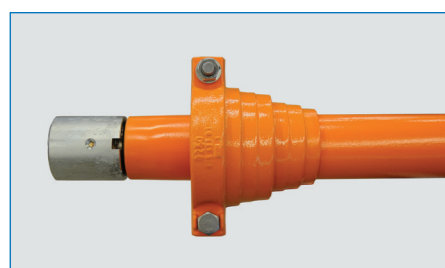
Steel (TSK) or aluminium (TAS) drum shafts can be optionally ordered for the cable trailer. Clip jaws or centring cones are available for each shaft.

Code	Type	Material	Length	Shaft dia.	Weight
350480	TSK 7620	Steel, rotating	1,888 mm	76 mm	52 kg
350690	TAS 7519	Solid aluminium shaft, rotating	1,900 mm	75 mm	29 kg

DRUM SUPPORTS FOR SMALL DRUMS

Smaller cable drums can either be transported using additional suspension inside the trailer or a support on the towers. If not in use, the additional suspension is firmly fixed to the frame (see photo on the left). The drum drive can only be used in combination with the "tower supports".

Code	Type	Description	Drum dia.	Drum drive	Weight
350942	KVZ 180	Additional suspension	800-1,800 mm	cannot be used	68 kg
346600	TAV 100	Drum support	800-1,800 mm	can be used	19 kg



CABLE DRUM TRAILER WITH HYDRAULIC DRUM LOADING

The new standard in cable drum transport

KVH 6.0/80

The basic design of the new cable drum trailer KVH 6.0/80 leverages from the many years of experience with existing product series. During development, however, essential characteristics of the trailer were brought into line with the current state of the art, and new, more comfortable solutions were found for the user.

The trailer has been designed as a 1-axle inloader, and is therefore easy to manoeuvre. The use of axle stubs instead of a continuous axle allows easier intake of the drum while the product properties are maintained. Technical adaptations managed to increase the permissible total weight to 7.5 tonnes while the empty weight remained unchanged, which helps achieve significantly greater payload.

The towing eye is mounted to a straight drawbar without height adjustment and can be screwed in two positions. The standard tow height can be determined individually upon placing the order.

Safety-relevant components, such as the lateral and rear underrun protection, are installed as standard in accordance with the European Framework Directive 2007/46/EC to significantly increase the safety of all public road users. The special design and low weight of the rear underrun protection allow swivelling it to both sides or removing it completely. Loading and unloading, particularly in confined spaces, is thus made easier.

The trailer is equipped with an EBS braking system. Thanks to direct communication with the tractor vehicle, the EBS ensures improved brake response and therefore helps cut the braking distance. The integrated ABS and the use of an automatic load-dependent brake (ALB) ensure improved driving comfort and driving safety, and reduce servicing and maintenance costs. A pneumatically controlled spring-loaded brake as parking brake completes the sophisticated braking system.

The up-to-date LED lighting for all necessary lights and lamps in combination with the attached markings meets all statutory provisions and increases road safety due to improved visibility.

DRIVE OPERATION

- wired 6 m operating unit as standard
- optional radio remote control



LED LIGHTING

all rear lighting elements

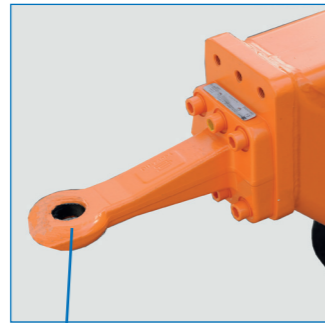


DISC BRAKE (STB 400)

- brake incl. drum driver
- allows controlled unwinding of drums

TOWING EYE

- variable tow height



EBS

- electronic **service brake**
- incl. ABS and ALB



SPRING-LOADED BRAKE

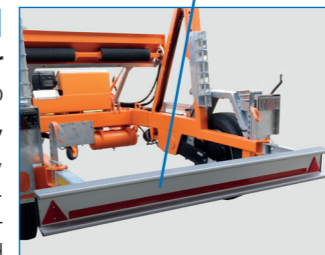
- spring load-operated **parking brake**
- pneumatically driven



UNDERRUN PROTECTION

Rear

Safety-relevant component according to **European Framework Directive 2007/46/EC**, protection for smaller vehicles (passenger cars, two-wheelers). The very light underrun protection can be swivelled to both sides or removed completely, and thus allows fast loading.



UNDERRUN PROTECTION

Lateral

Safety-relevant component according to **European Framework Directive 2007/46/EC**, Protection of pedestrians, cyclists and motorcyclists.

Corrosion protection is obtained by painting the frame parts in RAL 2011 and galvanising exposed parts. Special painting in a standard RAL colour or galvanisation of the frame is possible at a surcharge.

The trailer is approved for a speed of up to 80 km/h and is granted TÜV approval with European individual approval according to Paragraph 13 EG-FGV. This document confirms execution of the trailer in accordance with Framework Directive 2007/46/EC Annex XI - Appendix 4.

The drums are lifted by two double-acting hydraulic cylinders, in the basic version operated by a hand pump. In conjunction with a drum drive, the drum is lifted via a hydraulic drive.

Three drive concepts are available for the drum drive. Apart from a third-party hydraulic system provided by the customer, there is also a petrol or a diesel variant to choose from (each with an electric starter). With each of the versions, the user can control the lifting of the drum (hand pump is omitted), the winding/unwinding and the speed with an operating unit. The operating unit is connected with the control system with a 6 m long cable, and can be positioned on both sides of the trailer by means of integrated magnets. An additional radio remote control, that offers the user the same functionalities, can be set up.

Optional accessories, such as rotating drum shafts, clip jaws, disc brake or supports for smaller drums with or without the option to use the drive, round off the range of products.

The KVH 6.0/80 product family is completed by the KVH 4.5/80, as well as the slow runners (up to 25 km/h) KVH 5.8/25 and KVH 7.3/25.

TECHNICAL DATA

KVH 6.0/80

Empty weight	approx. 1,450 kg
Permissible total weight	7,500 kg
Vertical load	700 kg
Axle load	7,100 kg
Permissible speed	80 km/h
Total width	2,550 mm
Inside width	1,700 mm
Drum diameter	min. 1,800 mm max. 3,200 mm
Tow height	700-850 mm