



## TSK-4

### MULTILEAF DAMPER LEAKAGE CLASS 4 FOR RECTANGULAR DUCTS

- Robust construction
- Leakage class 4 - EN 1751
- Pressure class  $\leq 1000$  Pa
- Guide spigot

## APPLICATION

TSK-4 is mainly used in rectangular ventilation ducts for shut-off, volum flow control and pressure control. The damper meets the requirements for leakage class 4 - EN 1751.

### Design

TSK-4 is delivered as a 50 mm wide and high module as standard, and is equipped with guide spigot. Actuator is available as an accessory. The damper can also be delivered with circular duct connection. Maximum size for one damper is  $B = 1500$  mm x  $H = 2000$  mm. If width is over 1500 mm a extension part is used for a total width up to 2600 mm.

For damper with height 1400 mm up to 2000 mm, two actuator must be used. When the height exceeds 1200 mm a link suspension is used for better stability. The damper opens by rotating the axel counter clockwise (CCW). The sprockets are protected by a cover, and are placed outside of the airstream.

TSK-4 has air leakage class 4 for damper in closed position, casing leakage class B, and complies with pressure class  $\leq 1000$  Pa. Operating temperature  $-20 - 80$  °C

## DESCRIPTION

### Materials and surfaces

Frame profiles are made in galvanised steel. The damper blades are in aluminium and fitted with TPE gasket for tightness. The axel is made of 10x10 square steel, and the sprockets and liner are made of special plastic. The cover plate for the sprockets are made in galvanized steel.

### Installation

TSK-4 are delivered with guide connetion as standard, and can be easily mounted to ducts by using a track connection system such as KSA, which fit the most common guide types in the market. Always check the damper before the installation, and control the open/close function after installation.

The damper must always be mounted with the damper blades horizontally.

Dampers with widht more than 1500 mm are delivered in two sections. These must be put together at the building site.

TECHNICAL INFORMATION

TSK-4-1000-1000-1-0

Product

B = Width (max 2600mm)

H = Height (max 2000mm)

S = Circular connection  
(Ø800, Ø1000, Ø1250)

0 = Manual lever  
1 = NM24A  
2 = NM230A  
3 = NM24A-SR  
4 = NM230A-SR  
5 = SM24A  
6 = SM230A  
7 = SM24A-SR  
8 = SM230A-SR  
9 = SFA.1 TR 24 V  
10 = SFA.1 TR 230 V  
11 = SP24A-SR  
12 = NM24A-MOD  
13 = SM24A-MOD

Example:  
TSK-4-1000-1000-1-0  
Explanation:  
TSK-4, width 1000 mm, hight 1000 mm,  
Actuator NM24A, without circular connection

Info:

- Damper with width more than 1500 mm, and up to 2600 mm, contains of two dampers put together.
- Damper over 1400 in height must be equipped with two actuators