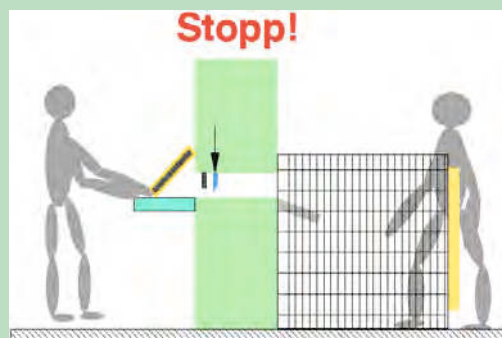
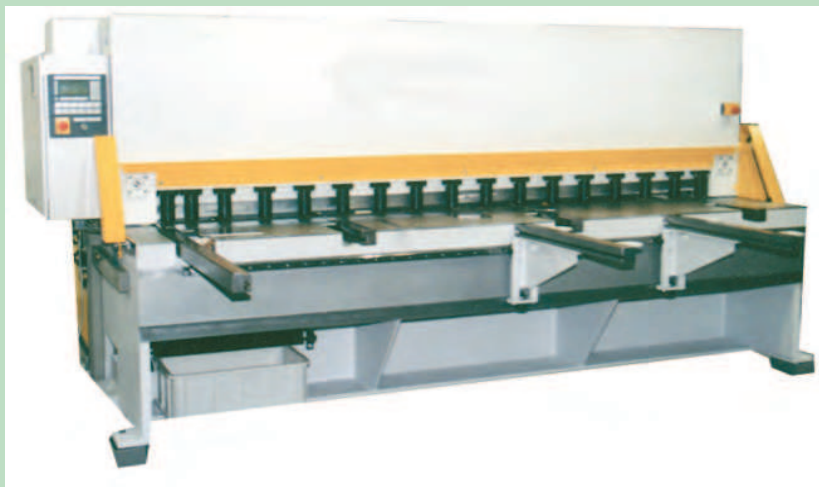


Safeguards at guillotine shears



Safeguarding at both the inserting and the rear areas of the guillotine

Simple, easy-to-handle installation und adjustment

No mechanical wear and tear

Shorter cycle times = higher productivity

Increase in safety and efficiency of the operator`s working conditions

Simple retrofitting of older machines

Range up to 10 m



DIN EN ISO 9001
Reg.Nr. 96007

Typ 4
EN 61496



optional



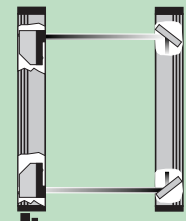
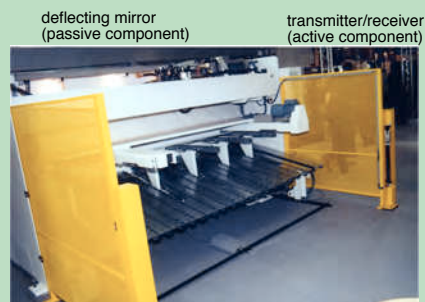
Application

When working with guillotine shears there is a considerably high risk of injuries in both insertion and rear areas of the shears. In the past, the operator's safety depended mainly on mechanical protective devices. At the insertion area, mechanical metal grids as keep-off rails were provided for safety. The safety devices at the back of the shears mainly consisted of safety doors and/or safety metal grids.

However, mechanical safety devices have the disadvantage that they provide little flexibility and interfere with the production process. A better alternative is provided by the optical protective devices manufactured by Fiessler Elektronik, Germany. Adequate solutions for safeguarding both the insertion area (requirement: finger protection) as well as for the rear (requirement: pedestrian protection) are provided, offering considerable advantages in their daily use:

- Safety class 4 according to EN 954-1
- Reduction of installation costs by simple installation, fast adjustment and easy putting into service.
- Less cable material used at the installation at the rear. There are active components at one end, passive components at the other end of the shear.
- Enhances the availability and reliability by reduction of failure caused by mechanical wear.
- No interference with the production process due to the unlimited accessibility of the fenced-off areas. This enables shorter cycle times and higher productivity, and better acceptance by the machine operators.
- No visual impairment which would occur when using mechanical grids.
- Reduction of storage area and production costs expenditure, as only one optical protective system is needed for safeguarding a machine with a cutting length of 10 m.
- Industrially suitable, sturdy housing which offers resistance to mechanical strain.
- Integrated functions: restart interlock and contactor control.

As an option, the optical light grid is also available preassembled in columns.



Technical data

Front safeguard:

Safety light curtain ULVT 200/26

Safety class: 4
 Range: 7m, optional 10m
 Response time: 7ms
 Power supply: 24 V DC +20% -10%
 integrated visual alignment device and soiling indicator

Safety light curtain ULCT 200/24

Safety class: 4
 Range: 5m
 Response time: 7ms
 Power supply: 24 V DC +20% -10%
 integrated visual alignment device and soiling indicator

Rear safeguard:

Two-beam light grid ULVT 500/2R

Safety class: 4
 Range: 8m, optional 15m
 Response time: 4ms
 Power supply: 24 VDC +20% -10%
 integrated visual alignment device and soiling indicator

optional:

Two-beam light grid EU2K 500/2

Range: 10m
 Response time: 12ms
 Power supply:
 24 VDC +20% -10%
 or
 230VAC