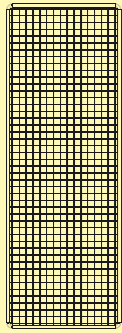


Grill modules



Height 1600 mm

Width	500 mm	750 mm	1000 mm	1250 mm
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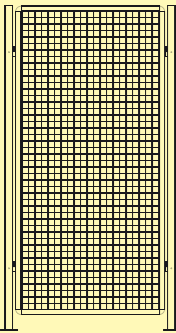
Ref.No.	M16-050	M16-075	M16-100	M16-125
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Height 2000 mm

Width	500 mm	750 mm	1000 mm	1250 mm
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Ref.No.	M20-050	M20-075	M20-100	M20-125
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Service modules



Height 1600 mm

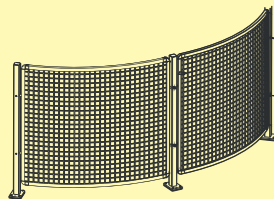
Width	500 mm	750 mm	1000 mm	1250 mm
-------	--------	--------	---------	---------

Ref.No.	S16-050	S16-075	S16-100	S16-125
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Height 2000 mm

Width	500 mm	750 mm	1000 mm	1250 mm
-------	--------	--------	---------	---------

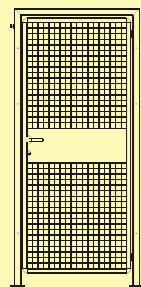
Ref.No.	S20-050	S20-075	S20-100	S20-125
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Service modul - angle 90°
Height 1 200 mm
Width 2 515 mm

Ref.No. 252.390

Door modules



Simple door module, height 1600 mm

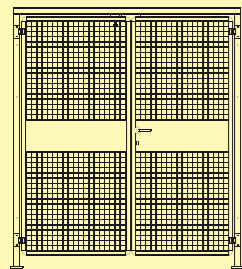
Width	850 mm	1000 mm
-------	--------	---------

Ref.No.	T16-085	T16-100
---------	---------	---------

Simple door module, height 2000 mm

Width	850 mm	1000 mm
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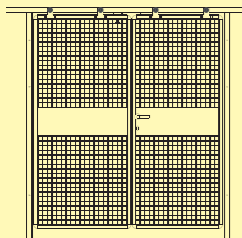
Ref.No.	T20-085	T20-100
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Double door module,
height 2000 mm

Width	1700 mm
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Ref.No.	D20-170
---------	---------



Sliding door module,
height 2000 mm

Width	2400 mm
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Ref.No.	B20-240
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Mounting posts



Mounting post 45°
Height 1600 mm

Ref.No. R16-001

Mounting post 45°
Height 2000 mm

Ref.No. R20-001



Mounting post 90°
Height 1600 mm

Ref.No. V16-001

Mounting post 90°
Height 2000 mm

Ref.No. V20-001

Laser beam protection



Passive mirror,
distance 1,5-8 m

Width 1,5-8 m

Ref.No. LP0-001

Laser unit for distances 1,5-8 m is equipped with passive mirror.



Active mirror,
distance 0,5-70 m

Width 0,5-70 m

Ref.No. LA0-001

Laser unit for distances 0,5-70 m is equipped with active mirror.



Active mirror with one
deflection mirror

Width 0,5-60 m

Ref.No. LA9-001



Active mirror with two
deflection mirrors

Width 0,5-55 m

Ref.No. LA9-022



Active mirror - laser
around secured object

Width 0,5-48 m

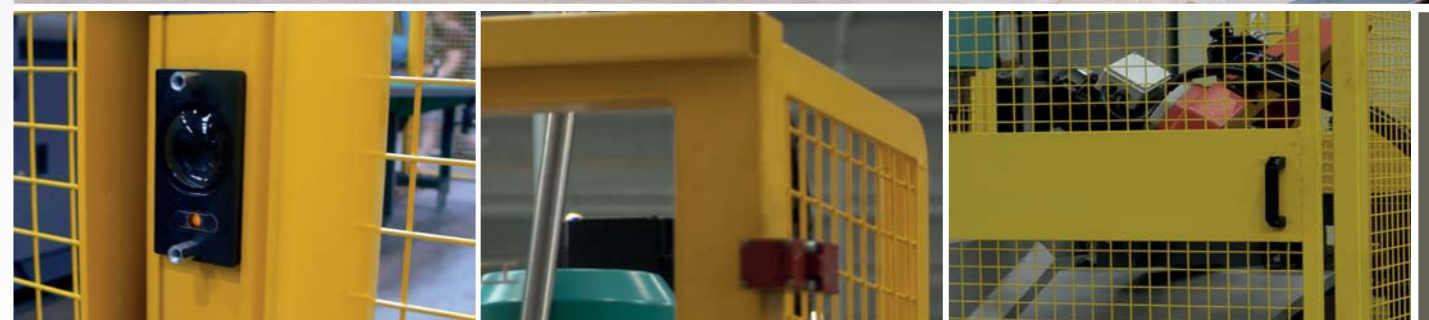
Ref.No. LA9-023

■ Each deflection mirror consumes about 10% of the range.

We will offer other angular modules on your request. Calculation of the total distance between the transmitter module and an active mirror module is individually calculated on request.



Safety fence and laser light barriers in according to the current machinery guideline for machine safety. Modular system for fastest and easiest assembly

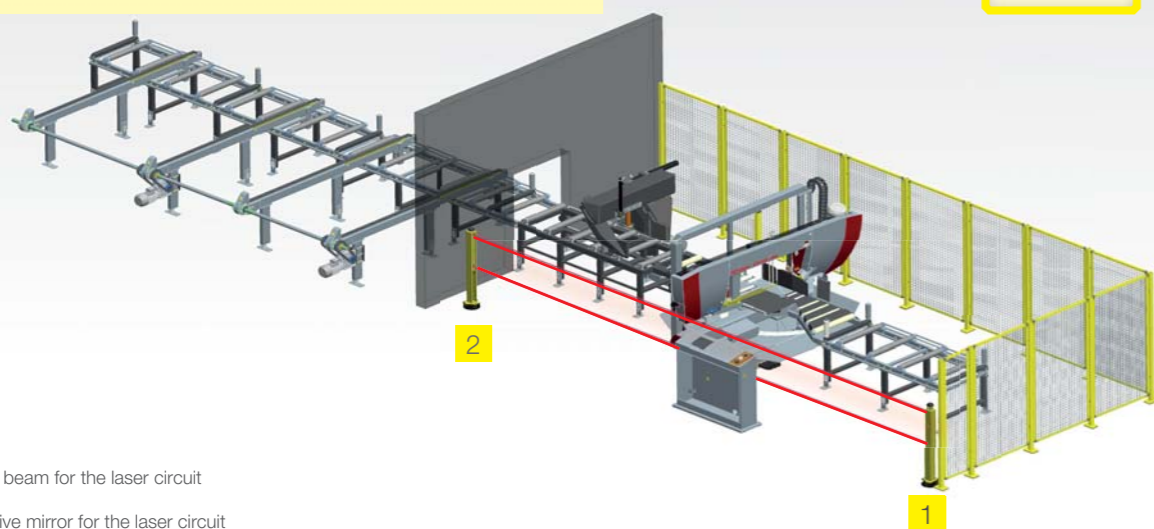


SAFETY WITH SYSTEM

Securflex®

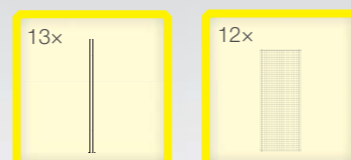
Laser unit type A – passive mirror

- laser beam – safety relay output, connected via terminal plate
- passive mirror – for distances from 1.5 to 8 m
- mounting posts
- safety module – for one laser circuit, for connection into machine



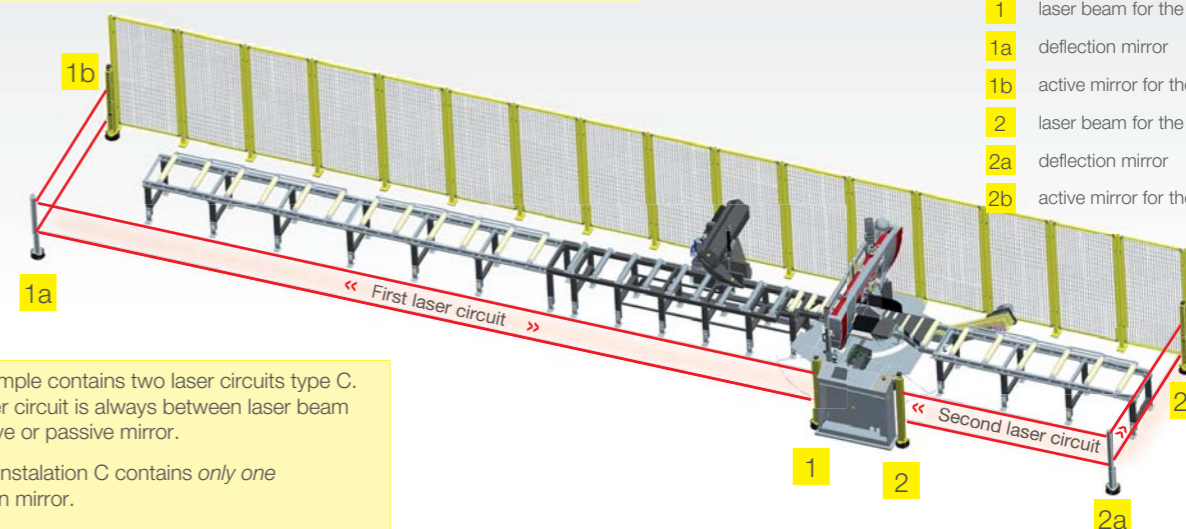
- 1 laser beam for the laser circuit
- 2 passive mirror for the laser circuit

■ example also contains:



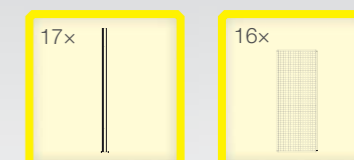
Laser unit type C – one deflection mirror

- laser beam – safety relay output, connected via terminal plate
- active mirror – for distances from 0.5 to 70 m
- mounting posts
- deflection mirror – each consume about 5 to 10% of the range
- safety module – for one laser circuit, for connection into machine



- This example contains two laser circuits type C. One laser circuit is always between laser beam and active or passive mirror.
- Sample instalation C contains *only one* deflection mirror.

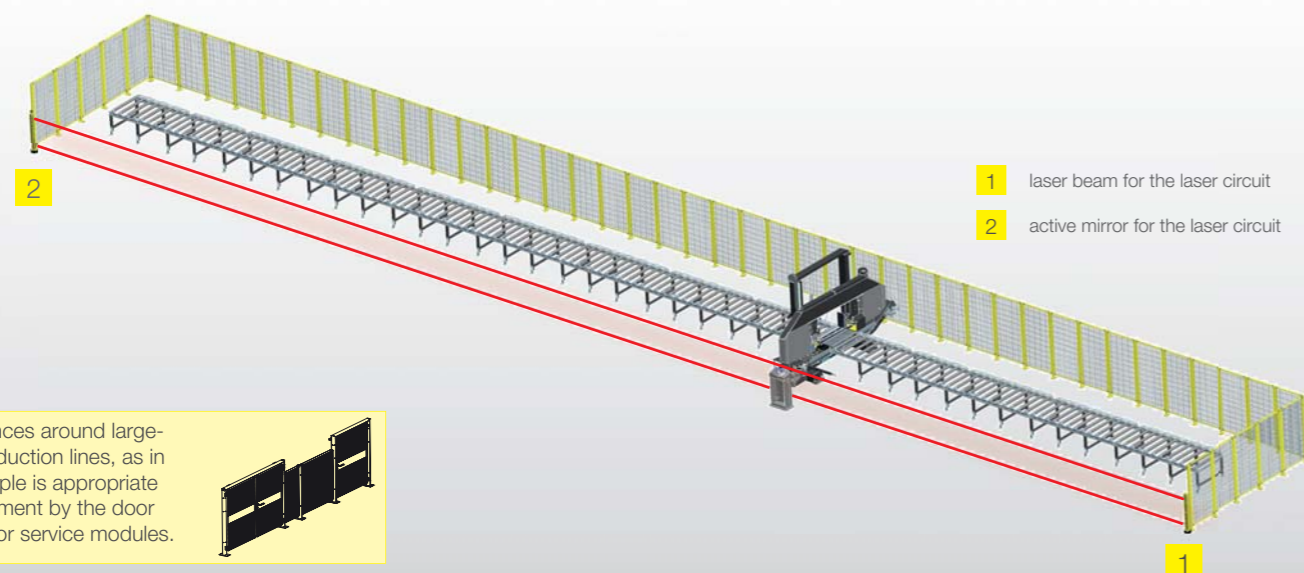
■ example also contains:



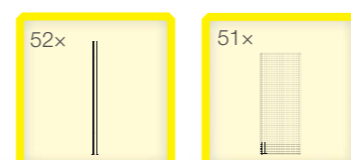
- 1 laser beam for the first laser circuit
- 1a deflection mirror
- 1b active mirror for the first laser circuit
- 2 laser beam for the second laser circuit
- 2a deflection mirror
- 2b active mirror for the second laser circuit

Laser unit type B – active mirror

- laser beam – safety relay output, connected via terminal plate, with LED and with integrated focusing
- active mirror – for distances from 0.5 to 70 m
- mounting posts
- safety module – for one laser circuit, for connection into machine

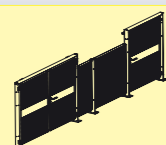


■ example also contains:



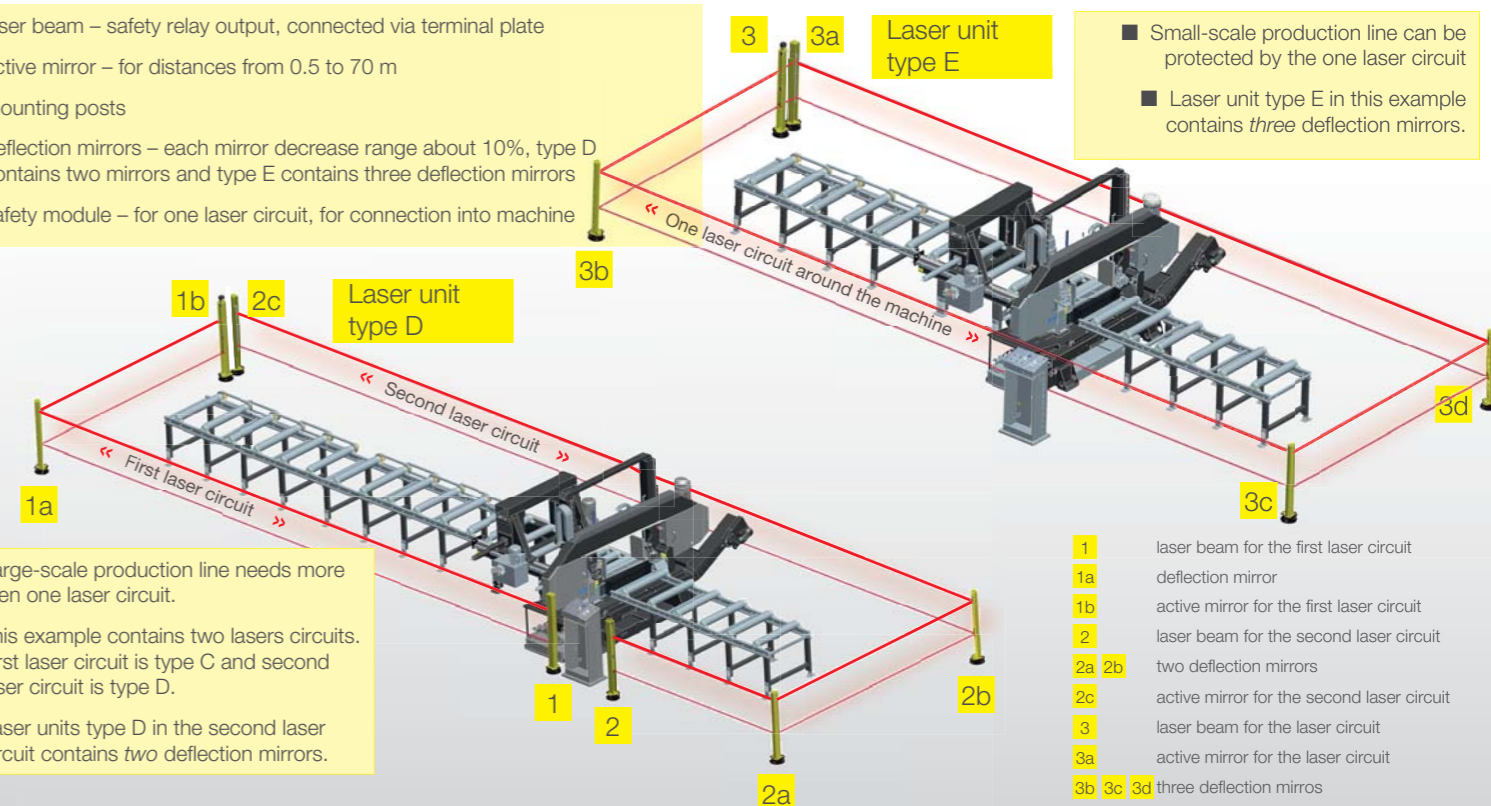
- 1 laser beam for the laser circuit
- 2 active mirror for the laser circuit

Safety fences around large-scale production lines, as in this example is appropriate to supplement by the door modules or service modules.



Laser units type D and E – two or three deflection mirrors

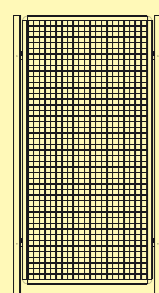
- laser beam – safety relay output, connected via terminal plate
- active mirror – for distances from 0.5 to 70 m
- mounting posts
- deflection mirrors – each mirror decrease range about 10%, type D contains two mirrors and type E contains three deflection mirrors
- safety module – for one laser circuit, for connection into machine



- Large-scale production line needs more than one laser circuit.
- This example contains two lasers circuits. First laser circuit is type C and second laser circuit is type D.
- Laser units type D in the second laser circuit contains *two* deflection mirrors.

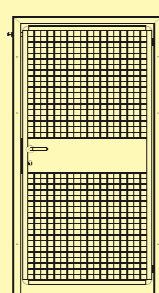
- Small-scale production line can be protected by the one laser circuit
- Laser unit type E in this example contains *three* deflection mirrors.

- 1 laser beam for the first laser circuit
- 1a deflection mirror
- 1b active mirror for the first laser circuit
- 2 laser beam for the second laser circuit
- 2a 2b two deflection mirrors
- 2c active mirror for the second laser circuit
- 3 laser beam for the laser circuit
- 3a active mirror for the laser circuit
- 3b 3c 3d three deflection mirrors



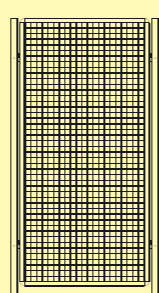
Width

Width always indicates the distance between the midline and closed module rack.



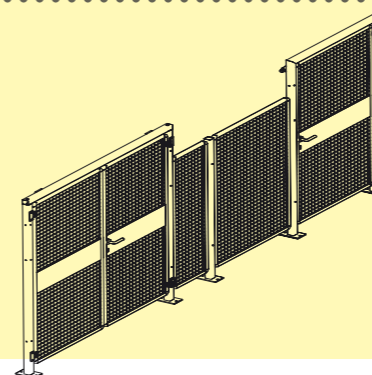
Door modules

Door modules are always applicable without restriction according to the instruction. Each door module could be installed without any additional components on the left or right and build inside or outside.



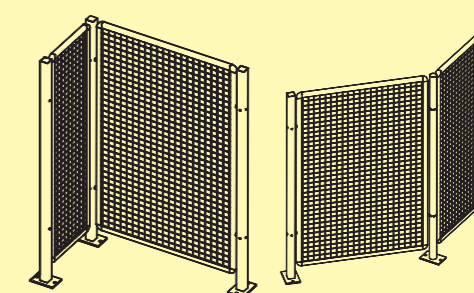
Service module

The service modules are part of the grid for maintenance or repair. Service modules are removable. According to the current machinery guideline Service modules are removable only when using tools.



Module height combination

Safety system Securflex allows you to combine modules height of 1600 mm and 2000 mm according to device requirement, or surroundings.



Connection under 90° and 45°

Mounting posts allow connection under 90° or 45°. Service modules and door modules could be connected by mounting posts only under 90°.