

HANGING FLEX PRO (S) DEVICE ON TECHNOLOGY

(S) If the technology is protected by a FLEX PRO (S) flameless explosion venting device installed horizontally, the FLEX PRO

(T) overhang has to be hung. This hanging must be done for the larger FLEX PRO (S) types see below. Figure 1 shows the recommended suspension method.

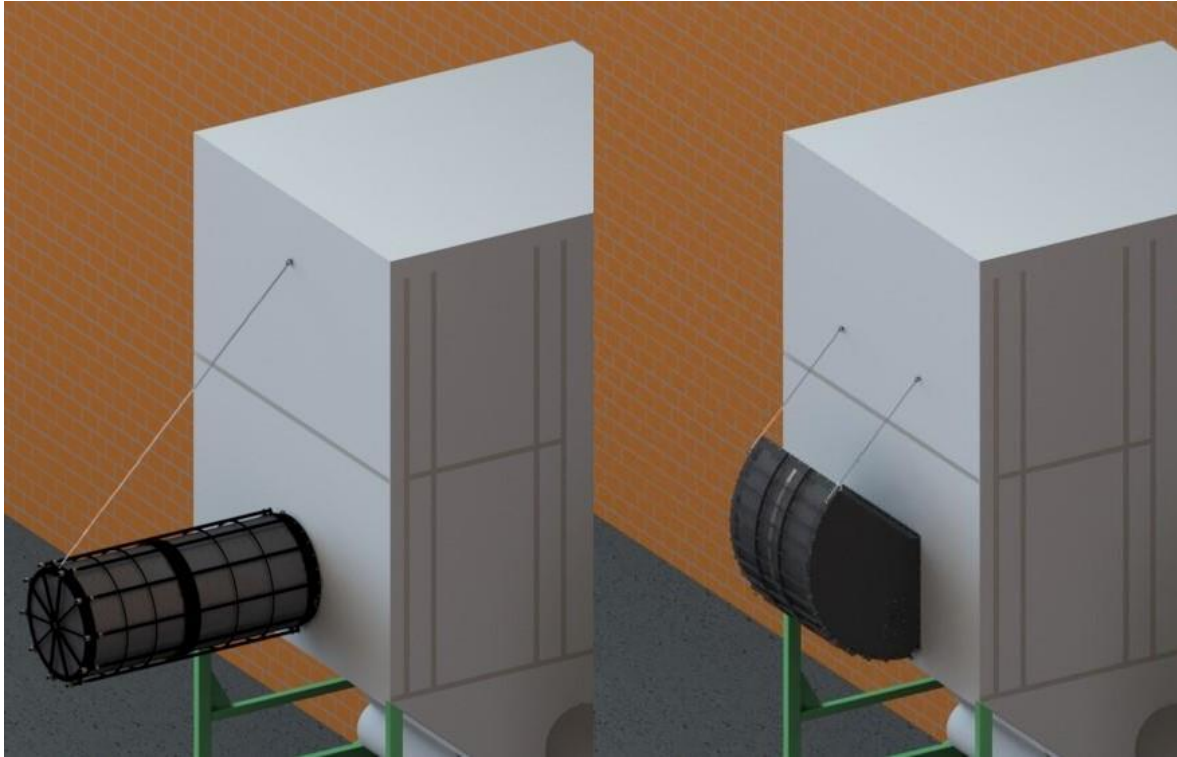


Figure 1 - recommended way of hanging (left FLEX C5 PRO; right FLEX R4 PRO)

The entire rope system must meet EN 13411. The table below shows the required rope diameter and other related information for proper suspension design.

DIMENSION OF ANCHORAGE				
DIMENSION OF FLEX PRO (S)	ROPE DIAMETER	ROPE-TRANSMITTED REACTION [kN]	MATRIX WITH EYE DIN 512	NUMBER OF ROPE CLAMP EN13441-5 / DISTANCE BETWEEN CLAMP [mm]
FLEX C5 PRO	8	3,5	M12	4/45
FLEX C4 PRO S	8	3,5	M12	4/45
FLEX C3 PRO S	5	1,5	M8	3/30
FLEX C2 PRO S	5	1,5	M8	3/30
FLEX R4 PRO	6	2,5	M10	3/35
FLEX R3 PRO	5	1,5	M8	3/30

Used hanging components:

1. Rope by EN 12385, 6x7FC B, strength min 1770 MPa, average according to the table above.
2. Nut with eye DIN 512, size according to table 1. Select the position according to Fig. 2 so that the rope is not less than 45° from the horizontal plane of no more than 135° . The eye must be secured in such a way as to be able to pass the reaction in the rope (see Table 1), without damaging the object to which it is fastened. Advantageously, the eye is anchored to the protected technology itself, to the ceiling or other suitable strength-compliant structure according to the above table.
3. The tensioner must be dimensioned on the chain reaction (see Table 1), the eye / eye or fork / fork design is preferred. The rope must be strained all the time.
4. The rope clamp, EN 13411-5, is used to create a loop and attach it to the FLEX PRO (S) mesh, the anchor eye or the tensioner. The loop must be created with a number of terminals. The number of terminals used is in tab. 1. The table below shows the necessary spacing between the clamps.
5. Fasteners DIN 6899, used to reinforce loops made using rope clamps.

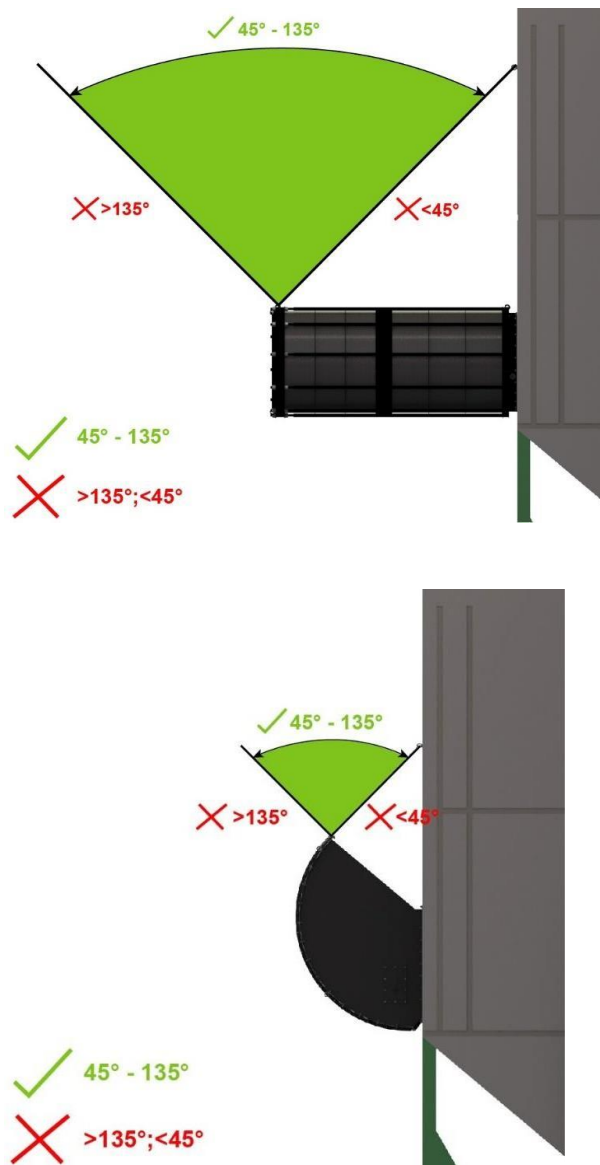


Figure 2 - Permissible position of anchoring eyes