



HANGING FLEX II & FLEX PRO (S) DEVICE ON TECHNOLOGY

If the technology is protected by a FLEX II or FLEX PRO (S) flameless explosion venting device installed horizontally, the FLEX PRO (S) overhang has to be hung. This hanging must be done for the larger FLEX types see below. Figure 1 shows the recommended suspension method.

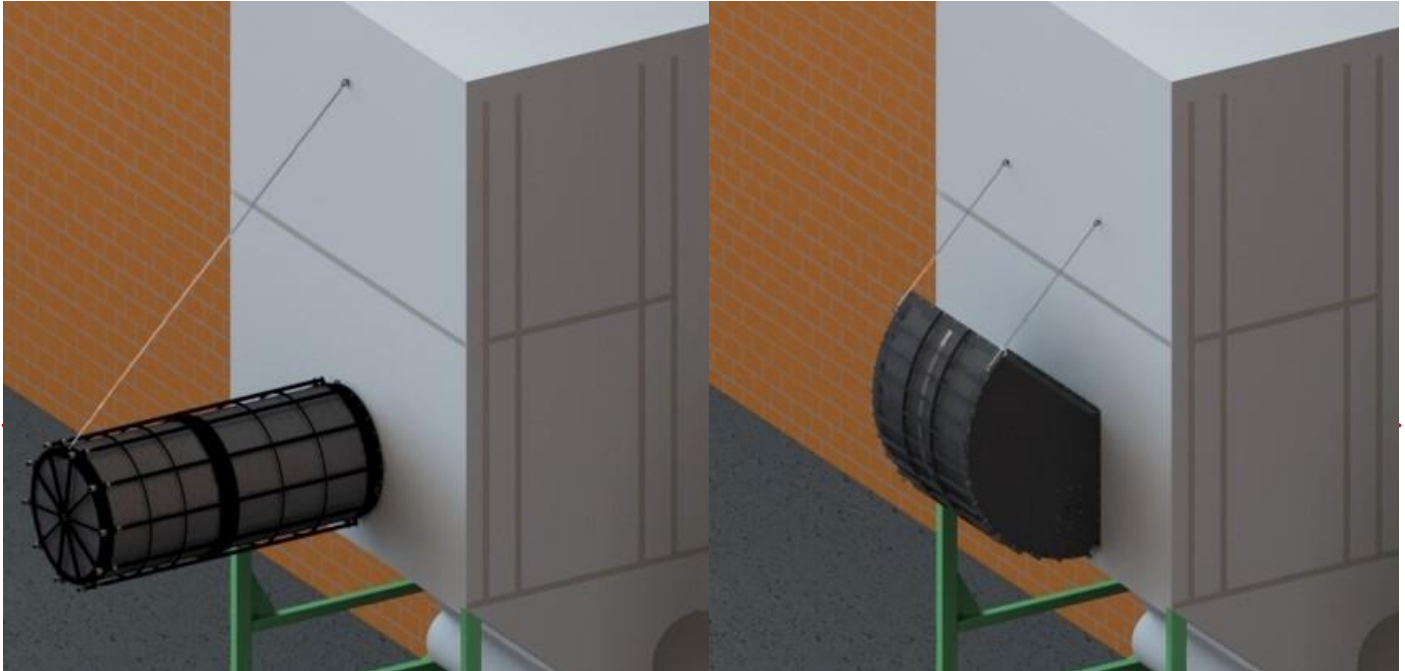


Figure 1 - recommended way of hanging (left FLEX C5 PRO; right FLEX II R 915x1118)

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	Rope diameter	Rope-transmitted reaction [kN]	Lifting eye on FLEX DIN 582	Number of rope clamp EN13441-5 / distance between clamp [mm]
FLEX C5 PRO	8	3.5	M 12	4/45
FLEX C4 PRO S	8	3.5	M 12	4/45
FLEX C3 PRO S	5	1.5	M 8	3/30
FLEX C2 PRO S	5	1.5	M 8	3/30
FLEX R4 PRO	6	2.5	M 10	3/35
FLEX R3 PRO	5	1.5	M 8	3/30
FLEX II R 915x1118	6	2.5	M 10	3/35
FLEX II R 586x920	5	1.5	M 8	3/30

Table 1

Used hanging components:

1. Rope by EN 12385, 6x7FC B, strength min 1770 MPa, diameter according to the table above.
2. Nut with eye DIN 582, 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 and 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 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), the anchor eye or the tensioner. The loop must be created with a number of clamps. The table 1 shows the number of rope clamps and the necessary spacing between the clamps.
5. Thimble DIN 6899, used to reinforce loops made using rope clamps.

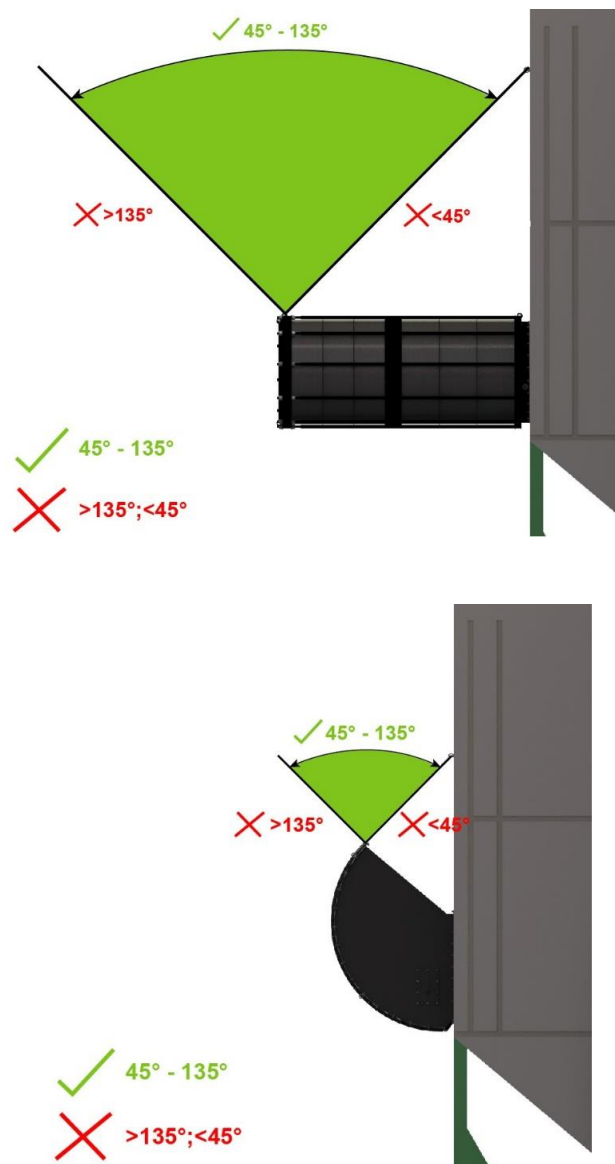


Figure 2 - Permissible position of anchoring eyes