

CarboCollar CC 110 S assembly set

INSTALLATION INSTRUCTIONS

The CarboCollar CC 110 S L assembly set is intended for self-assembly of the CarboCollar CC 110 S at any place (e.g. on a construction site). The set includes: A) steel segment cover, B) intumescent insert, C) mounting elements, D) connecting elements clasp and slotter, labels. Mounting method: 1. Choose from Table 1 or 2 the size of CarboCollar CC 110 S to mount on the pipe. Calculate the number of segments, after counting cut off some of the segments from the cover. Calculate the number of mounting elements and mount them to the cover, mount the connecting elements at the ends of the cover. Then measure and cut the intumescent insert and put into the cover. Mount the collar with steel bolts to the partition. After assembly, mark the finished collar with a label and attach it to the partition. Use a U-shaped collar to seal pipe elbows. One CarboCollar CC 110 S L set can be used to make CarboCollar CC 110 S with dimensions defined in Table 1 or Table 2, other dimensions besides those given in Tables 1, 2 are possible if they meet the requirements of CarboCollar CC 110 S with 60 mm height.



CARBOCOLLAR CC 110 S 110 – O-SHAPED - INSTRUCTION

					<p>1 Elements of the set: A Steel segment cover - 2m B Intumescent insert - 2m C Mounting elements - 30 pieces D Connecting elements: clasp + slotter - 15 pieces.</p>
					<p>2 Steel segment cover: A Read the number of segments for the diameter of the collar from the table below B Unfold it C Count off the number of segments D Break off a fragment of the tape with the number of segments</p>
					<p>3 Mounting elements: A Read from the table the number of mounting elements for the diameter of the collar B Place the mounting elements on the cover segments specified in the table, the first segment corresponds to the fastening buckle C Use pliers to bend the ends of the mounting elements D All mounting elements should be installed according to the guidelines in the table</p>
					<p>4 Installation of closing elements: A Choose from the set one connecting element clasp and slotter B, C Put the fastening clasp on the first segment of the cover and put the slotter on the last segment of the cover D Connecting elements should be placed on the reverse side of the cover than fastening elements. Use pliers to bend the ends of the elements</p>
					<p>5 Installation of the intumescent insert A Read the length of the intumescent insert from the table below B Unfold the intumescent insert measure length given in the table and cut with a knife C Place the intumescent insert in the previously prepared segment cover D Bend the cover together with the intumescent insert and then CarboCollar CC 110 S is created</p>

TABLE 1 - CARBOCOLLAR CC 110 S - O-SHAPED TECHNICAL DATA FOR ASSEMBLY

CarboCollar CC 110 S diameter	Type of CarboCollar CC 110 S L	The length of the segment cover needed to make the collar	The length of the intumescent insert to be cut off	Number of wraps with the intumescent insert	Number of mounting elements	Consecutive numbers of cover segments where mounting elements should be placed
25 mm	CarboCollar CC 110 S	8	105mm	1	2	3, 7
32 mm	CarboCollar CC 110 S	9	122mm	1	2	3, 7
40 mm	CarboCollar CC 110 S	11	157mm	1	2	3, 8
50 mm	CarboCollar CC 110 S	12	174mm	1	3	3, 7, 11
68 mm	CarboCollar CC 110 S	14	208mm	1	3	3, 7, 11
82 mm	CarboCollar CC 110 S	16	241mm	1	3	3, 8, 13
90 mm	CarboCollar CC 110 S	19	290mm	1	3	3, 9, 15
110 mm	CarboCollar CC 110 S	20	307mm	1	3	3, 9, 15

For insulated pipes, always use a collar with a diameter greater or equal to the outer diameter of the pipe insulation.
 For non-flammable pipes, the minimum insulation thickness of FEF is 10 mm and the maximum is 50 mm.

CARBOCOLLAR CC 110 S 110 – U-SHAPED - INSTRUCTION:

1 Steel segment cover:

- A** Read the number of segments for the diameter of the collar from the table below
- B** Unfold it
- C** Count off the number of segments
- D** Break off a fragment of the tape with the number of segments

2 Mounting elements:

- A** Read from the table the number of mounting elements for the diameter of the collar
- B** Install the mounting elements on the tape segments
- C** Use pliers to bend mounting elements
- D** All mounting elements should be installed according to the guidelines in the table

3 Installation of the intumescent insert

- A** Read the length of the intumescent insert from the table below
- B** Unfold the intumescent insert measure length given in the table and cut with a knife
- C** Place the intumescent insert in the previously prepared segment cover
- D** Bend the cover together with the intumescent insert and U-shaped CarboCollar CC 110 S is created

TABLE 2 - CARBOCOLLAR CC 110 S - U-SHAPED TECHNICAL DATA FOR ASSEMBLY

CarboCollar CC 110 S diameter	Type of CarboCollar CC 110 S L	The length of the segment cover needed to make the collar	The length of the intumescent insert to be cut off	Number of layers of 6.5 mm intumescent insert	Number of mounting elements	Consecutive numbers of cover segments where mounting elements should be placed
25 mm	CarboCollar CC 110 S	8	131 mm	1	3	14 ; 8
32 mm	CarboCollar CC 110 S	9	153 mm	1	3	15 ; 9
40 mm	CarboCollar CC 110 S	11	179 mm	1	3	16 ; 11
50 mm	CarboCollar CC 110 S	12	198 mm	1	3	1,6,12
68 mm	CarboCollar CC 110 S	16	266 mm	1	3	18 ; 16
82 mm	CarboCollar CC 110 S	19	310 mm	1	3	110 ; 19
90 mm	CarboCollar CC 110 S	20	335 mm	1	3	110 ; 20
110 mm	CarboCollar CC 110 S	24	397 mm	1	4	19 16 ; 24

CARBOCOLLAR CC 110 S O-SHAPED - INSTALLATION ON PIPE:



1. Fill the space between the pipe wall and the partition tightly. Use mineral wool with a density of min. 60 kg/m³ or cement mortar.
2. Place CarboCollar CC 110 S on the pipe.
3. Pull the pin of the fastening clamp through the slot at the other end of the collar and wrap it 180° backwards so that the collar is firmly closed on the pipe.
4. Attach the collar to the wall or floor with steel mounting bolts or special metal plasterboard fasteners. Do not use bolts containing plastic parts.
5. Mark the penetration with the label attached to the set. Mark CarboCollar CC 110 S on it, write date and your name.

CARBOCOLLAR CC 110 S U-SHAPED - INSTALLATION ON PIPE ELBOW:



1. Fill the space between the pipe wall and the partition tightly. Use mineral wool with a density of min. 60 kg/m³ or cement mortar.
2. Place CarboCollar CC 110 S on the pipe.
3. Drill holes for bolts in partition.
4. Place bolts in the drilled holes and attach the collar to the partition.
5. Mark the penetration with the label attached to the set. Mark CarboCollar CC 110 S on it, write date and your name.