STOLL

ADF - Ascon from top
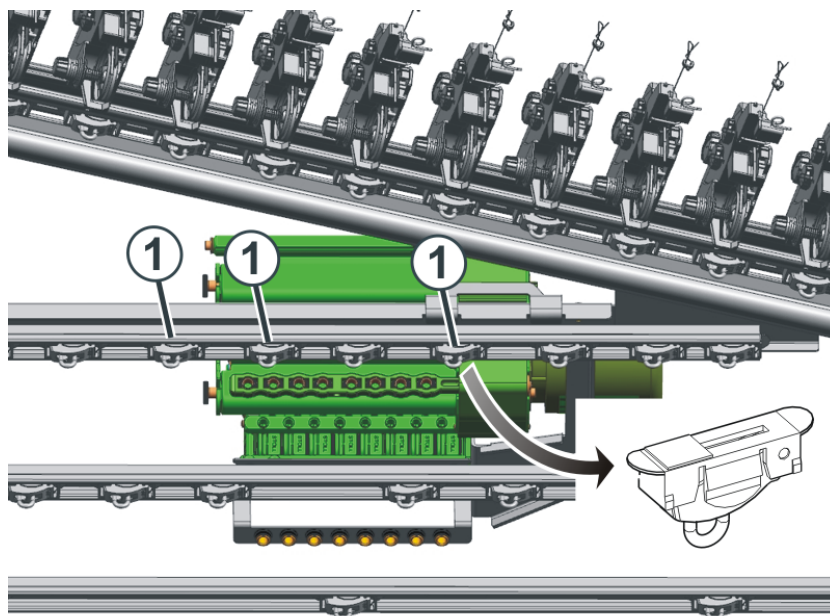

CE

2020-02.20

STOLL

1 ASCON from Top

Assembly of the ASCON device

This is described in the assembly instructions (ID 279 269).

Remove yarn guide bracket

Remove the yarn guide brackets (1) (3 units) on the front yarn guide bar. The yarn guide brackets hinder the run of yarn to the yarn control unit.

Determine height   For the ASCON device to operate correctly, you determine the height of the yarn guide device.
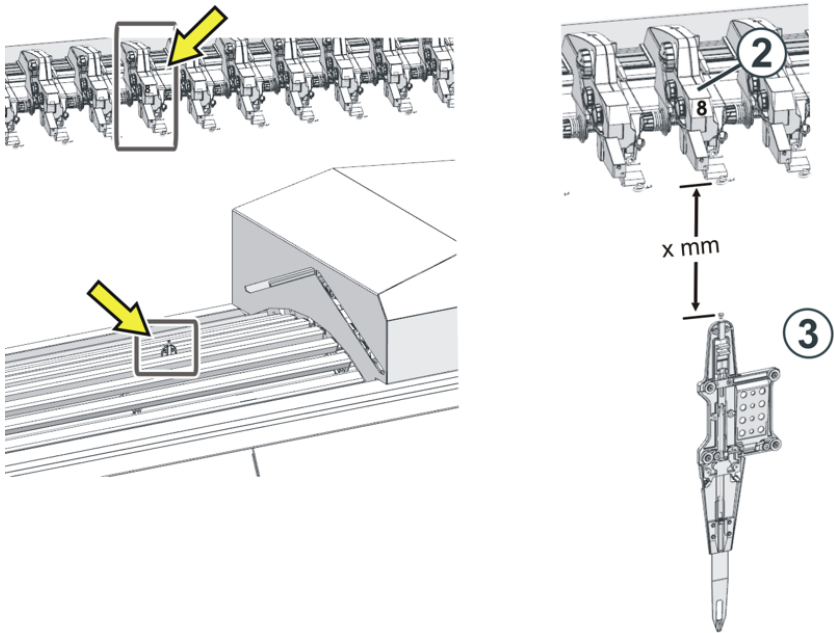
Measure the distance "Yarn carrier - Yarn control unit".

	(2)	(3)
ADF 530-32	8R	8R
ADF 530-24	8R	6R
ADF 530-16	9R	5R
ADF 830-32	8R	8R
ADF 830-24	8R	6R

Determining height with different machine types

For doing this, proceed as follows:

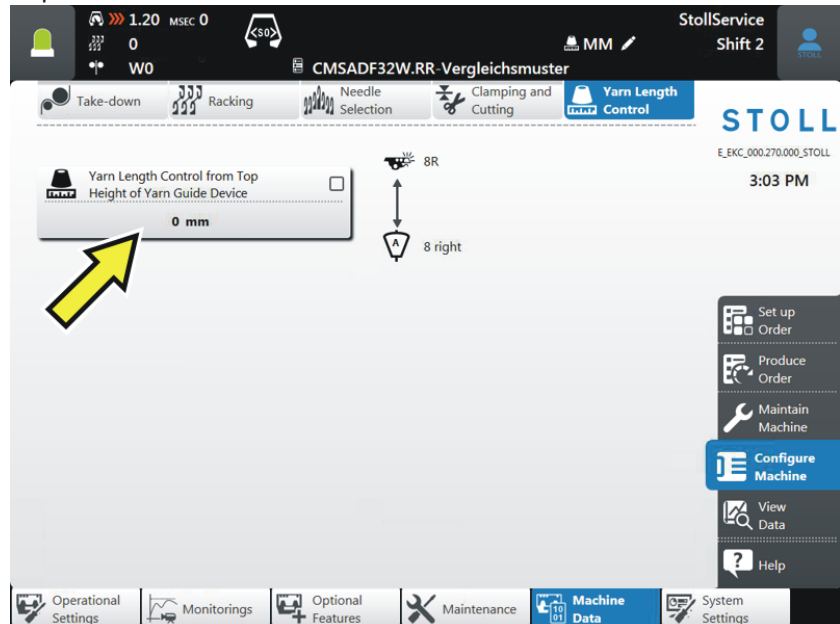1. Move the yarn carrier (3) exactly below the yarn control unit (2).

2. Measure the distance "Eyelet - Yarn control unit".

STOLL

3. Open the "Yarn Length Control" menu.
   ▮ "Configure Machine" -> 🔟 "Machine Data" -> ▮ "Yarn Length Control"
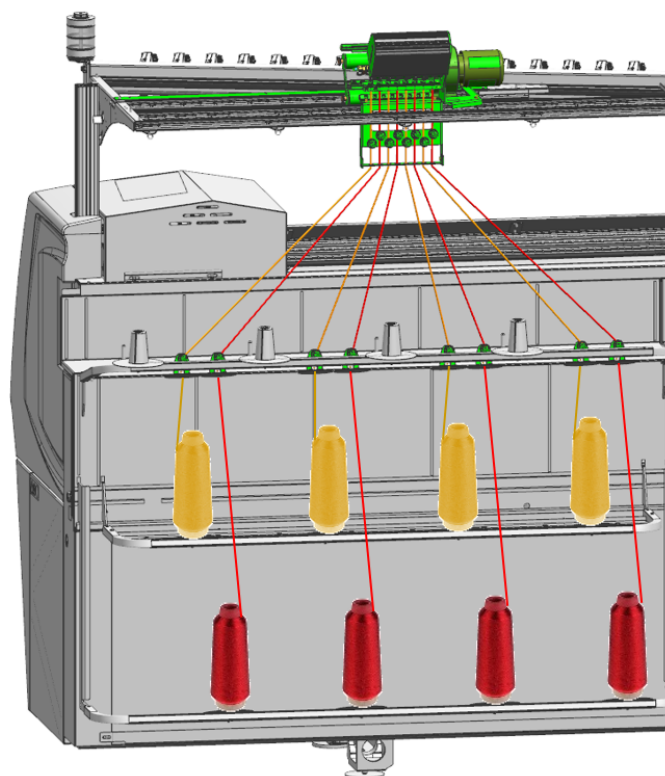
4. Tap on the lower area of the button.

▷ The dialog box is opened.

5. Enter the height using the virtual keyboard.

6. Confirm entries with "OK".

7. Activate the "Yarn Length Control from Top" ☑ button.

Additional bobbin board

Recommendation: Position the bobbins on the middle and the lower additional bobbin board.

STOLL

Course of yarn — There is a fixed allocation of measuring wheel, yarn control unit and yarn carrier.

This allocation effects:

■ the most reduced yarn tension possible

■ that the threads do not touch each other

ADF 530-32								
ASCON R	1	2	3	4	5	6	7	8
ASCON L	9	10	11	12	13	14	15	16
🔦	5	6	7	8	10	11	12	13
▽	5	6	7	8	10	11	12	13

ADF 530-24								
ASCON R	1	2	3	4	5	6	7	8
ASCON L	9	10	11	12	13	14	15	16
🔦	3	5	6	7	9	10	11	13
▽	3	5	6	7	9	10	11	13

STOLL

ADF 530-16								
ASCON R	1	2	3	4	5	6	7	8
ASCON L	9	10	11	12	13	14	15	16
	1	2	5	6	9	10	13	14
	1	2	5	6	9	10	13	14

ADF 830-32								
ASCON R	1	2	3	4	5	6	7	8
ASCON L	9	10	11	12	13	14	15	16
	3	4	5	6	7	8	9	10
	3	4	5	6	7	8	9	10

ADF 830-24								
ASCON R	1	2	3	4	5	6	7	8
ASCON L	9	10	11	12	13	14	15	16
	1	2	4	5	7	8	10	11
	1	2	4	5	7	8	10	11

STOLL

Configure measuring wheels

In the Setup Editor you specify, which measuring wheel operates together with which yarn carrier (Y) and yarn control unit (YCU).
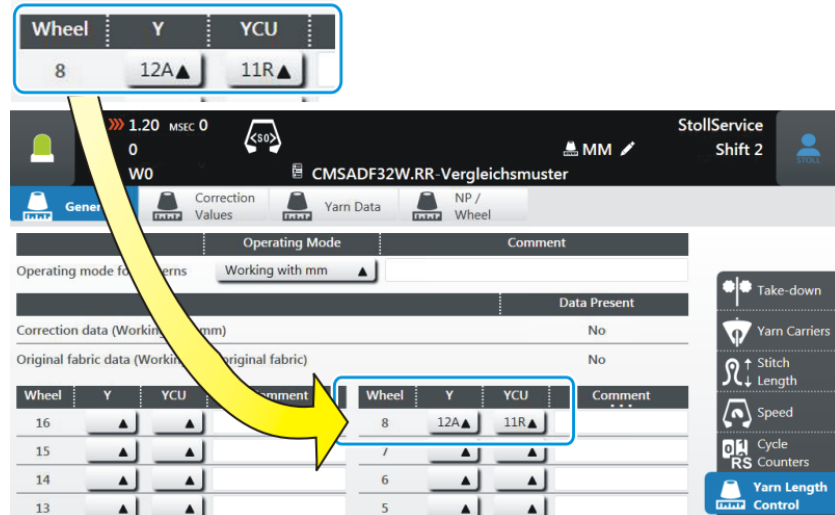
This specifications are important for the ASCON device to be able to operate correctly.

With the ADF machine the yarn length depends on which yarn carrier it is thread-up.
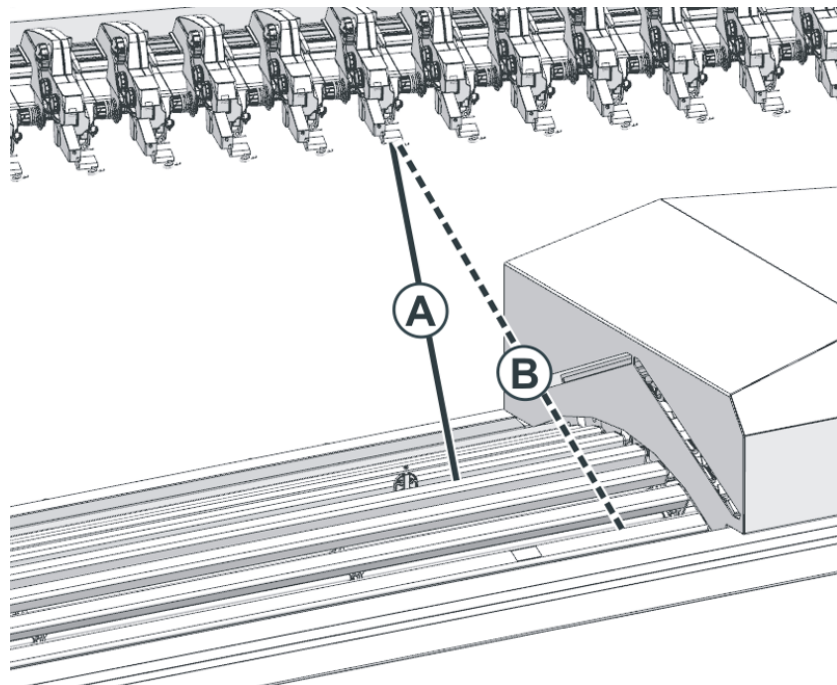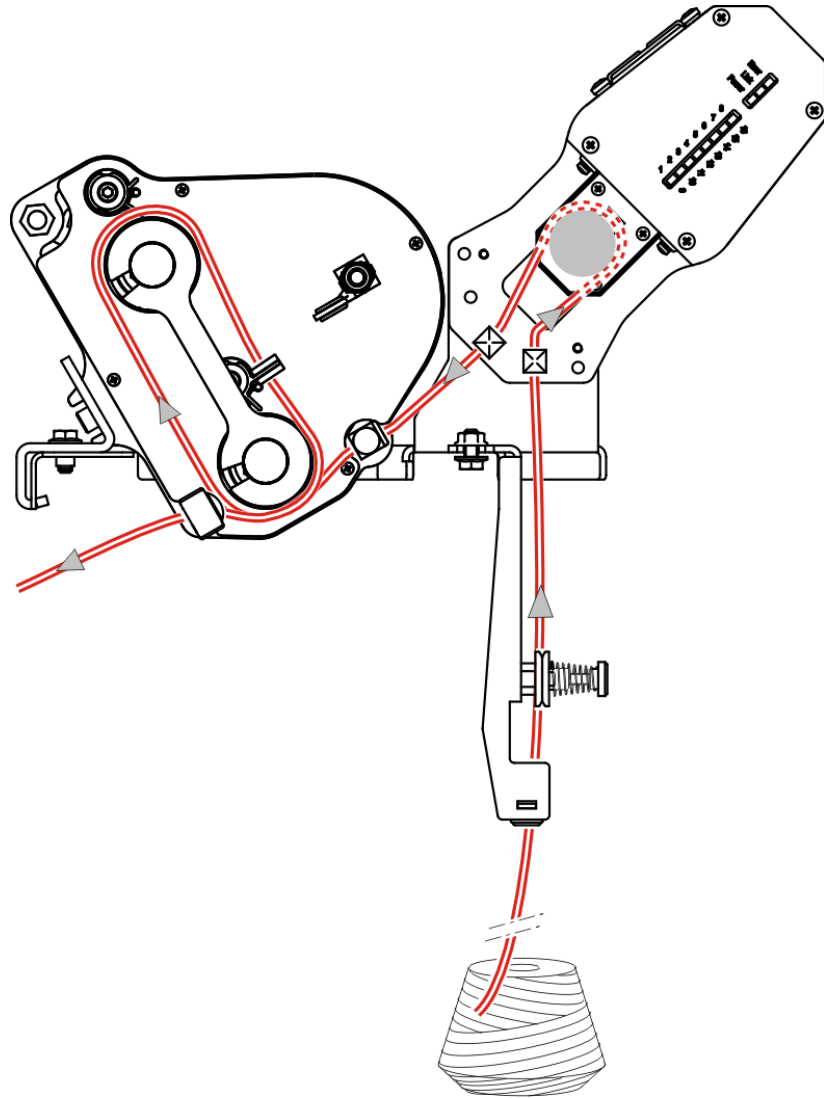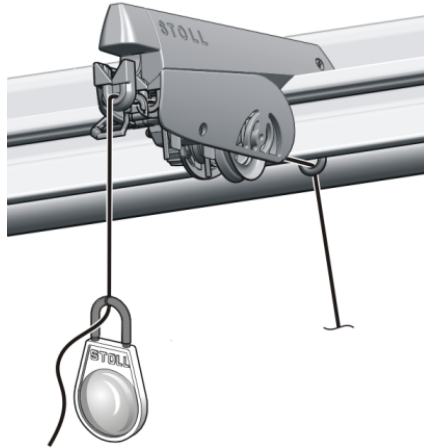
STOLL

Threading up

EN

STOLL

Adjusting yarn tension

The minimum tension of 8 cN must be set on the yarn control unit and on the yarn brakes, so that the ASCON device can operate correctly.

1. Thread in the thread up to the end of the yarn control unit.

2. Clamp the yarn end in the coil spring of the adjustment weight.

Adjustment weight

3. If the weight pulls down the thread, close the yarn brake until the weight stops.

   ▷ The yarn tension is 8 cN.
   For a thin, smooth yarn this yarn tension can be too low.

4. Remedy: hook-in two adjusting weights in the yarn and repeat point 3.

▶ The yarn tension is 16 cN.
If this yarn tension is too high, reduce the adjustment step by step on the yarn control unit.

---

i   Adjust all the yarn control units precisely, as the yarn tension considerably influences the measuring.

Thread the yarns through the ASCON device so that they do not cross each other.