

5.5.3 Plug extraction

The cylinder shall withstand attacks involving extraction with an extraction force and time as shown in Table 1

The cylinder's resistance to extraction is tested as specified in 6.6.3.

After the attack, it shall not be possible to move the cylinder to open position with a maximum torque of 5 Nm.

The cylinder does not need to work with its regular key after the test.

Table 1 – Mechanical cylinder requirements.

Cylinder function	Unit	Level 1	Level 2	Level 3	Level 4	Level 5
5.5.3 Plug extraction	kN	10	15	15	15	15
	Minutes	3	5	5	5	5
	Total minutes	5	15	15	15	15

6.2 Durability (Background to interpretation)

SSF norm have a higher level of acceptance than EN standards for cylinders. Both mechanical cylinders and mechatronic cylinders must be so designed that downtime due to the cylinder in the maneuvering situation is small.

Change of the acceptance criterion in case of downtime caused by the object in SSF 1090 so that the cylinder in case of downtime caused by the object itself must be able to be operated within the next five maneuvering attempts and that further downtime caused by the object does not occur within the 50 cycles.

In the event of a stoppage of more than 0.1% = 50 times, the test is considered completed and the durability requirement is not met.

The following sections are clarified in this interpretation:

6.2 Durability (Text in section 12)

If the cylinder stops during the test, the tester is allowed to try to restart the test and the test can continue. After ten stops caused by the test object, the test object is considered not to meet the requirement. A note about this must be made in the test report.

Interpretation and application of the above

The text of the 12th section is amended to read as follows:

If the cylinder stops during the test, the tester is allowed to try to restart the test with a maximum of five maneuvering attempts, the test being continued for at least 50 cycles before further stops occur.

When restarting the cylinder, the maneuvering attempts are counted as 1 stop, regardless of whether the tester has performed 1 - 5 maneuvering attempts on the cylinder.

If the above conditions are not met or fifty stops caused by the test object occur, the test object is considered not to meet the requirement. A note about this must be made in the test report.

Other sections in 6.2 Durability are unchanged.