

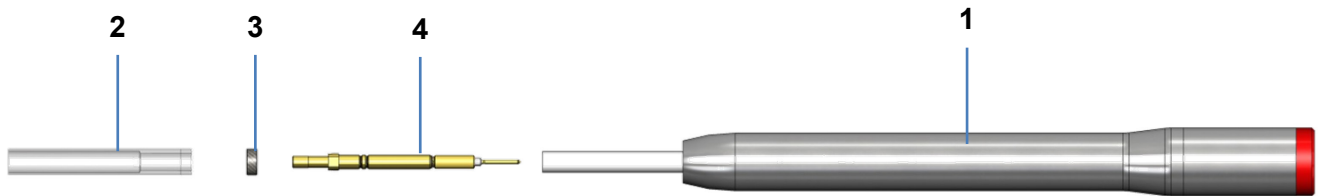
Blocking Tester (Order Code 32001)

The blocking tester is a special tool to detect blocked or tight plungers very quickly. Please read this user manual carefully even if you have already experience with FEINMETALL probes and instruments. The instrument should only be used and maintained by qualified people.

For operation 2 batteries of type 4761 - 1,5 Volt - AAAA - MINI - LR8D425 are required.

1. Assembly

1. Basic Tool
2. Threaded sleeve
3. Counternut for Threaded Sleeve
4. Integrated Switch Probe



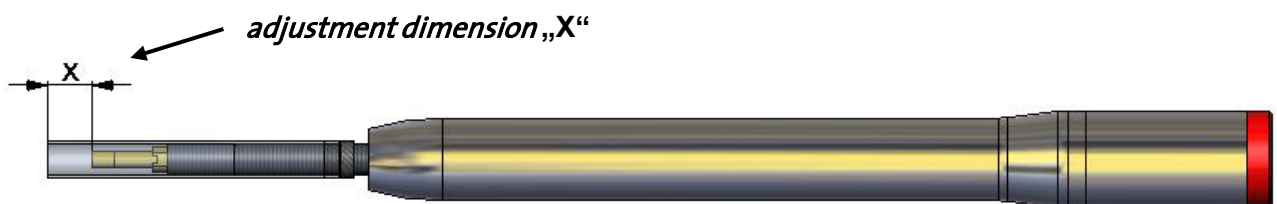
2. Preparation

To adjust the instrument for the needed application, first of all the projection height and the nominal travel of the probe are to identify.

Use the following formula to calculate the adjustment dimension:

projection height – nominal travel – switch travel = adjustment dimension

Example F733: adjustment dimension $x = 10.5 \text{ mm} - 4.0 \text{ mm} - 0.5 \text{ mm} = 6.0 \text{ mm}$



The threaded sleeve (2) is positioning the required adjustment dimension.

It is fixed by the counternut (3).

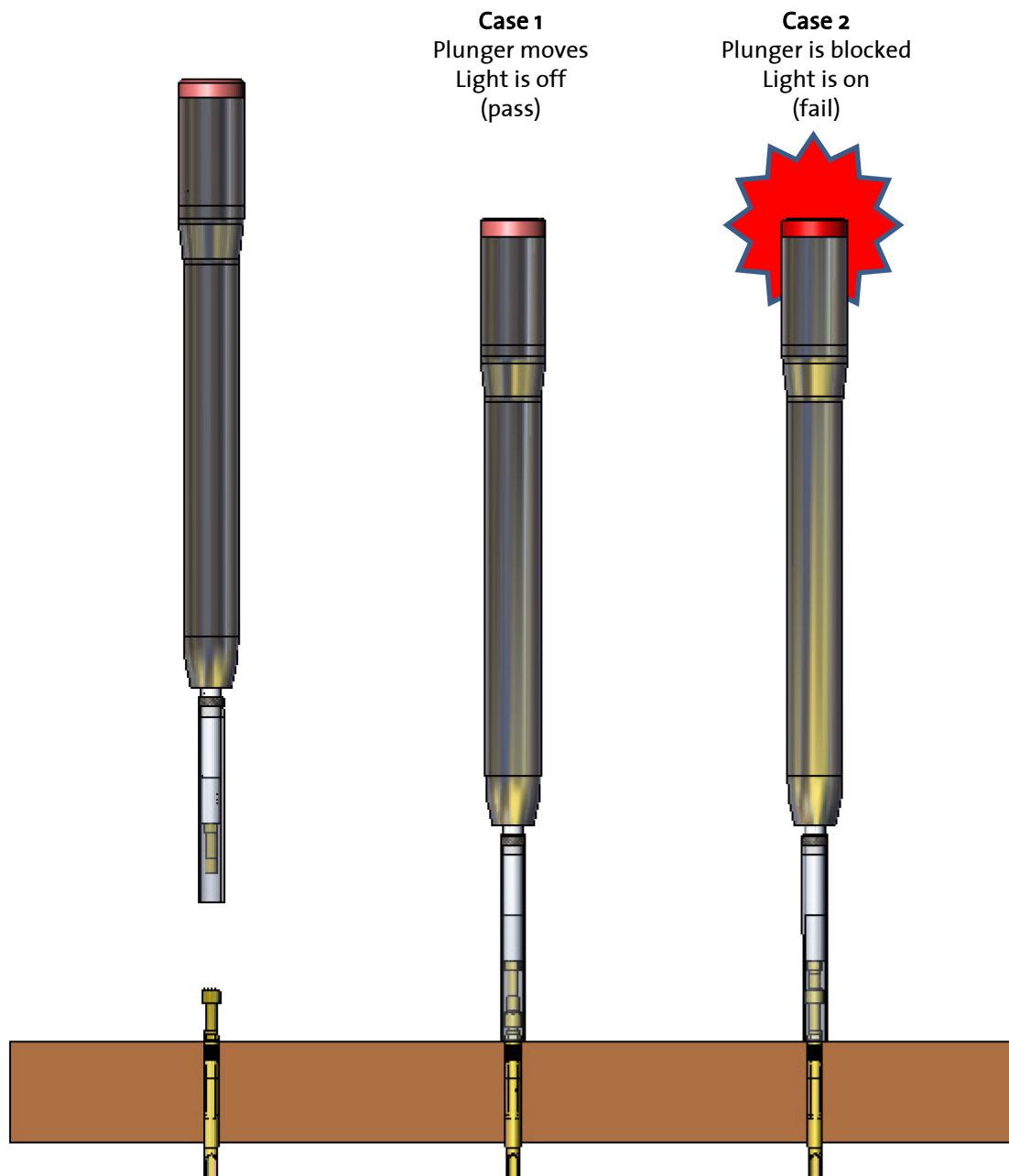
The maximum adjustment dimension x is approx. 23.0 mm; the minimum is approx. 4.0 mm

3. Test Procedure

Put the tool over the ready for testing spring contact probe and push down until body stop.
During the procedure keep an eye on the indicator signal at the end of the tool.

- Case 1:** Signal light is off → plunger moves (pass)
Case 2: Signal light is on → plunger is blocked or tight (fail)

In case 2 the spring contact probe is not working correctly. So the probe should be exchanged.



4. Adjustment dimensions of selected probes

Probe	Projection Height (mm)	Nominal Travel (mm)	Adjustment Dimension (mm)	Notice
F730	10,5	4,0	6,0	different for step probes
F175	10,1	5,0	4,6	
F731	12,8	3,5	8,8	different for step probes
F732	10,5	4,0	6,0	different for step probes
F723	7,3	2,8	4,0	
F733	10,5	4,0	6,0	different for step probes
F737	19,5	12,0	7,0	different for step probes
F873	10,4	4,0	5,9	
F875	10,2	4,0	5,7	
F875...L	16,7	4,0	12,2	
F375	15,0	8,0	6,5	
F880	10,2	4,0	5,7	
F880...L	16,7	4,0	12,2	
F881	10,2	4,0	5,7	
F883...SM	10,0	4,0	5,5	
F883...LM	16,5	4,0	12,0	
F884...SM	10,2	4,0	5,7	
F884...LM	16,7	4,0	12,2	
F885...SM	10,0	4,0	5,5	
F885...LM	16,5	4,0	12,0	
F385	17,0	9,0	7,5	
F887	9,2	4,0	4,7	
F752...S	15,2	4,0	10,7	
F752...L	18,2	4,0	13,7	
F757	10,5	2,0	8,0	
F760	10,5 bis 26,7	4,0	6,0 bis 22,2	
F761	10,5	2,0	8,0	
F754...S	16,2	4,0	11,7	
F754...L	20,2	4,0	15,7	
F755...E13 (Standard-KF)	13,3	5,0	7,8	different on other projection heights
F755...E13 (Spaten-KF)	13,3	4,0	8,8	
F310	10,6	2,4	7,7	
F320	13,6	3,2	9,9	
F330	18,8	5,6	12,7	
F340	22,5	6,4	15,6	
F735	10,8	4,4	5,9	

