

Corner Testing Apparatus KS EPM 2050

Corner joints in hardness test

The test of the corner resistance from welded profiles is one of the few quality checks of a window and door manufacturer. With the corner testing apparatus KS EPM 2050 goes such a test quickly and in compliance with standards according DIN 16830-1, EN 514 and RAL-GZ 716/1. Welding errors are immediately detected and corrected before it results in complaints.

The KS Corner Testing Apparatus exist in two different constructions. In the first version the pressure are applied on the top corner. In version two on the inside of the brackets. Both test methods are standards and depends from the test method that is deccribed in the norm. In France for example is used only the construction KS EPM 2050 SPA, while in Germany is still used mostly the KS EPM 2050.



The KS Corner Testing Apparatus is available in two different construction. (Fig. shows KS EPM 2050).



Easy applying of the corner joints without montage (construction 1).



Fast fastening of the test block with clamping system. (construction 2).

The assembly of the window corner into the test device is thinkable easy. At the first construction the corner will be put on the tilting holding fixture, at the second version with clampings seized. By a big plate at the front side the test procedure is well visible.



Both construction tests the corner resistance according EN514. (Fig. shows KS EPM 2050 SPA)

Both KS Corner Testing Apparatus works with a continuos hydraulic infeed that presses down evenly the axis at a speed of 50 mm/min. The built-in pressure relief valve shuts off automatically at a pressure of 20 kN.

The breakpoint of the corner is displayed is shown in kN on the manometer glass with maximum indicator. Optional it is possible a equipment

with electronic power measurement and digital diplay.

The mobile test device has a size of 850 x 1150 x 270 mm and thus constructed to save space. And it is applicable in small rooms. It will either be placed on an existing shelf or delivered with table, all the way to space conditions and customer desire.



Manometer shows the breaking point of the corner in kN.

- Advantage KS Corner Test Rig**
- Durable, stabil construction
 - Easy mounting of the test elements (construction 1)
 - Fast use of the corner connection through clamping system (construction 2)
 - Save place
 - Pressure interface
 - EC-conform
 - Low maintenance

Technical data KS Corner Test Rig	
Electrical connection	250 V, 50 Hz 0,5 kW
Test block width	700 mm
Test block height	500 mm
Test block depth	200 mm
External measure width	850 mm
External measure height	1.150 mm
External depth	250 mm
Weight	150 kg